

Mission College Course Level Student Learning Outcomes

Department	Subject	Number	Student Learning Outcome
Accounting	ACC	001A	Apply transaction analysis, input transactions into the accounting system, and process this input using generally accepted accounting principles.
Accounting	ACC	001A	Prepare and interpret the four basic financial statements.
Accounting	ACC	001B	Account for direct material, direct labor, and manufacturing overhead.
Accounting	ACC	001B	Apply cost-volume-profit analysis to determine the product breakeven point.
Accounting	ACC	001B	Apply various methods, including net present value and the time value of money, to make capital budgeting decisions.
Accounting	ACC	001B	Use flexible budgets and standard costs to compute and analyze variances.
Accounting	ACC	021A	Apply transaction analysis procedure and enter data into correct accounts.
Accounting	ACC	021A	Complete accurate, basic financial statements using a basic accounting system consisting of general journal and general ledger.
Accounting	ACC	021A	Describe and explain the essential functions and structure of a business.
Accounting	ACC	021A	Explain the accounting process through trial balance and describe key elements.
Accounting	ACC	022	Apply transaction analysis procedure and enter data into correct accounts.
Accounting	ACC	022	Complete accurate financial statements for a service business, using a basic accounting system consisting of general and special journals and ledgers.
Accounting	ACC	022	Describe and explain the essential functions and structure of a business.
Accounting	ACC	022	Explain business functions and ownership structures, Outcome 2: Explain the full accounting cycle, incorporating transactions analysis., Outcome 3: Complete the accounting cycle for both service and merchandise businesses, including adjusting and closing entries and use of a worksheet., Outcome 4: Use special journals and sub-accounts., Outcome 5: Analyze and reconcile cash and identify key internal control procedures
Accounting	ACC	022	Explain the accounting process through trial balance and describe key elements for a service business.
Accounting	ACC	022	Prepare adjusting and closing entries for accrual basis accounting and compare to cash basis merchandising businesses
Accounting	ACC	031	Correctly use reversing entries to simplify the accounting process.
Accounting	ACC	031	Record transactions and prepare financial statements using an accounting system that includes special journals and subsidiary ledgers.
Accounting	ACC	033	Prepare balance sheet forecasts and cash budgets using Excel.
Accounting	ACC	033	Using Excel, prepare income statement forecasts that correctly utilize assumptions provided by
Accounting	ACC	034	Correctly apply the financial functions in Excel to the evaluation of different types of capital investment.

Accounting	ACC	034	Correctly perform a wide variety of financial analyses using Excel.
Accounting	ACC	040	Students will prepare a personal budget.
Accounting	ACC	040	Students will prepare a personal statement of net worth.
Accounting	ACC	041	Students will explain fundamental insurance concepts.
Accounting	ACC	041	Students will explain the various kinds of insurance protection.
Accounting	ACC	042	Students will explain risk, return, and the rewards of diversification.
Accounting	ACC	042	Students will prepare a personal statement of net worth and use asset allocation to design an investment portfolio.
Accounting	ACC	043	Students will calculate the federal income tax based on assumptions given in the case.
Accounting	ACC	043	Students will use five methods to reduce or postpone the federal income tax.
Accounting	ACC	044	Students will calculate the student's own savings needs for retirement using the Retirement Planning Worksheet.
Accounting	ACC	044	Students will explain the characteristics of company pension plans, other company retirement plans, individual retirement plans and social security benefits.
Accounting	ACC	045	Students will calculate gift taxes and estate taxes.
Accounting	ACC	045	Students will explain the various methods of transferring one's estate.
Accounting	ACC	051A	Apply basic tax law to accurately prepare tax forms.
Accounting	ACC	051A	Students will be able to define Federal and state income tax laws and procedures.
Accounting	ACC	051A	Students will be able to differentiate deductible from non-deductible expenses.
Accounting	ACC	051A	Students will be able to differentiate taxable from nontaxable income.
Accounting	ACC	051B	Students will apply an understanding and application of the IRS codes and regulations to corporate and partnership tax issues.
Accounting	ACC	051B	Students will apply the conceptual framework of taxation to make appropriate tax decisions for business entities.
Accounting	ACC	051B	Students will utilize research and written skills on a tax topic that relates to corporate transactions.
Accounting	ACC	052	Students will be able to define Federal and California payroll tax laws and procedures, regarding payroll, sales, and property tax transactions.
Accounting	ACC	052	Students will be able to process payroll, sales and property tax transactions.
Accounting	ACC	053A	Upon successful completion of the course, the student should be able to:.,Apply federal and state tax law to accurately prepare tax forms.
Accounting	ACC	053A	Upon successful completion of the course, the student should be able to:.,Research and analyze specific tax issues.

Accounting	ACC	053A	Upon successful completion of the course, the student should be able to: Utilize a tax preparation software to prepare an individual tax return.
Accounting	ACC	053B	The students will be able to identify the standards of conduct required for a VITA volunteer.
Accounting	ACC	053B	Upon successful completion of the course, students will be able to apply basic tax laws to accurately file tax returns.
Accounting	ACC	053B	Upon successful completion of the course, students will be able to utilize a IRS-approved commercial tax preparation software to fill out tax returns.
Accounting	ACC	053C	Apply quality control procedures to tax returns.
Accounting	ACC	053C	Identify and explain the requirements for a tax site coordinator.
Accounting	ACC	057A	Accurately compute the costs of products and services and their importance in management decisions.
Accounting	ACC	057A	Execute accounting transactions and prepare related statements necessary for successful internal management in business organizations.
Accounting	ACC	057A	Explain the important role ethics plays in managerial accounting.
Accounting	ACC	057A	Prepare and analyze managerial reports that compare and contrast actual results to budget amounts.
Accounting	ACC	058A	Apply current GAAP measurement and recognition principles to income and expense transactions.
Accounting	ACC	058A	Review the accounting cycle and purpose of financial statements within the context of the conceptual framework of accounting.
Accounting	ACC	058A	Using current GAAP pronouncements, analyze balance sheet accounts and apply the GAAP requirements.
Accounting	ACC	058B	Analyze balance sheet liability accounts using current GAAP pronouncements, including long-term corporate debt, pension and lease liability, and deferred tax liability.
Accounting	ACC	058B	Prepare the Statement of Cash Flows and analyze results.
Accounting	ACC	059A	Apply audit techniques to balance sheet accounts in accordance with Generally Accepting Auditing Standards.
Accounting	ACC	059A	Compare and contrast the conceptual frameworks of GAAS and GAAP.
Accounting	ACC	059A	Explain relevant ethics as they pertain to the auditing profession.
Accounting	ACC	059A	Explain the audit process.
Accounting	ACC	059A	Integrate GAAS with internal control procedures and identify key fraud risks.
Accounting	ACC	060	Complete QuickBooks computer accounting projects that require setting up a computer accounting system for service and merchandising entities.

Accounting	ACC	060	Manipulate accounting data in order to create various financial reports using QuickBooks accounting software and successfully analyze and interpret the results.
Accounting	ACC	060	Record and analyze accounts receivable, accounts payable, invoicing, payroll, and inventory transactions using QuickBooks accounting software.
Accounting	ACC	065	Students will use Sage 50 software to enter transactions.
Accounting	ACC	065	Students will use Sage 50 software to produce accounting reports.
Accounting	ACC	070	Evaluate and apply IMA Ethical Professional Rules of Practice and apply them to ethical situations.
Accounting	ACC	070	Evaluate and apply the AICPA standards and apply them to ethical situations.
Accounting	ACC	070	Identify the major ethical theories and explain how they apply to different ethical situations.

Department	Subject	Number	Student Learning Outcome
Allied Health	AHL	914	Accurately calculate dosage calculations problems using one of the formulas presented in class.
Allied Health	AHL	914	Correctly identify and describe the various units of measurements using the proper form and abbreviation.
Allied Health	AHL	001A	Complete a journal that reflects the application of critical reasoning and critical thinking techniques to guided instructor-posed questions and course discussion of content.
Allied Health	AHL	001A	Correctly calculate drug dosages.
Allied Health	AHL	001A	Define and explain the impact that culture and social norms have on health care.
Allied Health	AHL	001A	Develop a personal time management tool for daily life that includes time for studying, stress reduction, and work schedules.
Allied Health	AHL	003	Students will identify, define and interpret word elements and demonstrate the ability to spell, pronounce, and understand the meaning of medical terminology.
Allied Health	AHL	003	The students will participate in an on-line self-reflective journal which reflects critical reasoning and critical thinking techniques through guided instructor posed questions and course discussion of content
Allied Health	AHL	011	1. Upon completion of this course, students will be able to demonstrate cardiopulmonary resuscitation on an adult, child, or infant.
Allied Health	AHL	011	2. Upon completion of this course, students will be able to demonstrate cardio-pulmonary resuscitation as a team member performing as both a ventilator and as a compressor, including changing positions during resuscitation.
Allied Health	AHL	012	Correctly identify risks and mitigation activities of major hazards in the local community.

Allied Health	AHL	012	Identify first-aid and emergency supplies and equipment for disaster preparedness and resources for obtaining these items.
Allied Health	AHL	020D	Students will identify concepts of basic patient-focused, culturally- appropriate health care of residents in long-term care nursing facilities that reflect the current nurse assistant practices and that meet the California Department of Public Health (CDPH) requirements for the State Certification Exam.
Allied Health	AHL	020D	The student will apply theoretical principles in the demonstration of nursing assistant skills necessary in provision of basic, safe, quality health care to residents in long-term care facilities while promoting their independence and dignity.
Allied Health	AHL	020E	The nursing assistant student will apply theoretical concepts and skills basic to the delivery of safe, quality patient care in a residential or long-term care facility.
Allied Health	AHL	020E	The nursing assistant student will be able to identify best clinical practices and, through self-evaluations, apply methods of improvement for safe patient-centered care.
Allied Health	AHL	020F	The student will describe and demonstrate the supportive personal care skills, body mechanics, safety and emergency procedures, and methods to improvise and adapt these procedures in the home situation.
Allied Health	AHL	020F	The student will describe common reactions to illness/disability and its effect on the individual and family, including techniques to support adjustment and demonstrate accurate documentation.
Allied Health	AHL	020F	The student will describe the role and responsibility of the Home Health Aide as a member of the healthcare team compared to the Certified Nursing Assistant and demonstrate an understanding of the Federal and State regulations governing Home Health Agencies.

Department	Subject	Number	Student Learning Outcome
Anthropology	ANT	001	6. Students will understand, explain and apply the concept of Ethnocentrism: the notion that one's own culture is superior or the only right way to do things.
Anthropology	ANT	001	Outcome:1. Students will summarize and explain the Four Forces of Evolution: Natural Selection, Mutation, Genetic Drift, Gene Flow.
Anthropology	ANT	003	Students will analyze the relationship between culture and the individual.
Anthropology	ANT	003	Students will identify universal elements of culture.
Anthropology	ANT	055	Using universal aspects of belief systems, compare non-Western ideas about magic, witchcraft and religion with Western ideas in our own society.
Anthropology	ANT	055	Using universal aspects of belief systems, compare non-Western ideas about magic, witchcraft and religion with Western ideas in our own society.

Department	Subject	Number	Student Learning Outcome
Art	ART	001A	2. In writing students will explain the cultural context of works of art with respect to related historical, political, religious, economic and social developments that influenced the artists.
Art	ART	001A	In writing, students will identify, analyze, compare and contrast, and trace the development of works of art with respect to subject matter, symbolism, style and influences on the artists.
Art	ART	001B	In writing students will explain the cultural context of works of art with respect to related historical, political, religious, economic and social developments.
Art	ART	001B	In writing students will identify, analyze, compare and contrast, and trace the development of works of art according to subject matter, symbolism, style, and influences on the artists.
Art	ART	001D	In writing students will explain the cultural context of works of 20th century art with respect to relevant historical, political, economic, religious and social developments.
Art	ART	001D	In writing students will identify, analyze, compare and contrast and trace the development of works of art from the 20th century according to subject matter, symbolism, style and influences on the artists.
Art	ART	004	In writing students will analyze and compare and contrast examples of world art according to the elements of style and principles of design.
Art	ART	004	In writing students will identify, define or explain key features of various major art styles.
Art	ART	004	In writing students will identify, define or explain the characteristics of the various two and three dimensional art media.
Art	ART	007	In writing students will explain the cultural context of works of Asian art with respect to related historical, political, economic, religious and social developments.
Art	ART	007	In writing students will identify, analyze, compare and contrast, and trace the development of works of Asian art according to subject matter, symbolism, style and influences on the artists.
Art	ART	011	In writing students will identify, analyze, compare and contrast, and trace the development of modern design with respect to subject matter, symbolism, style, and influences on designers from the industrial revolution through the 20th century.
Art	ART	011	Students will present orally information on the interconnectedness, of the fields of art, design, and technology, and the cultural, historical, political, and technological contexts that shaped them.

Art	ART	020A	Student interns will acquire practical experience in museum/gallery management by assisting museum professionals with ,marketing, grant writing, fund-raising and/or other aspects of museum operations.
Art	ART	020A	Student interns will acquire practical experience in museum/gallery management by assisting museum professionals with projects related to the curatorial and/or educational functions of the institution.
Art	ART	020A	Student interns will acquire practical experience in museum/gallery management by assisting with the mounting and dismounting of temporary art exhibits.
Art	ART	020B	Student interns will acquire practical experience in museum/gallery management by assisting museum professionals with marketing, grant writing, fund-raising and/or other aspects of museum operations.
Art	ART	020B	Student interns will acquire practical experience in museum/gallery management by assisting museum professionals with projects related to the curatorial and/or educational functions of the,institution.
Art	ART	020B	Student interns will acquire practical experience in museum/gallery management by assisting museum professionals with the mounting and dismounting of temporary art exhibits.
Art	ART	031A	Students will create charcoal drawings that depict illusionist space, figure-ground interaction, and proportional measuring techniques.
Art	ART	031A	Students will create drawings that demonstrate light and dark values on a still life object.
Art	ART	031A	Students will create drawings to demonstrate the compositional elements on a two dimensional surface.
Art	ART	031B	Students will be able to describe, interpret and assess the aesthetics of their own artwork and that of their peers and professional artists in a critique.
Art	ART	031B	Students will create a portfolio of drawings which demonstrate the mixing and application of color drawing media.
Art	ART	033A	Upon successful completion of this course, a student will be able to: create artwork to demonstrate a conceptual understanding of the elements and principles of design relating to line, shape, texture, value, space, and color.
Art	ART	033A	Upon successful completion of this course, a student will be able to: solve design problems using research in nature, books or digital media.
Art	ART	033A	Upon the successful completion of this course, a student will be able to: make individual aesthetic decisions and judgments related to their own artwork.

Art	ART	033B	Choose the appropriate materials and design concepts to create an object that successfully conveys the intention of the artist.
Art	ART	033B	Utilize basic design elements and principles to develop projects that incorporate implied space, effects of light and shadow, and scale.
Art	ART	033C	Upon successful completion of this course, a student will be able to: create harmonies and discords in color and discern the expressive and informative value of both in color project assignments
Art	ART	033C	Upon successful completion of this course, a student will be able to: discriminate variations in colors with visual sensitivity to the optical effects of color relativity and demonstrate the theoretical knowledge of color mixing in studio projects.
Art	ART	034A	Students will create digital drawings, and paintings which demonstrate a grasp of line quality, value scale, texture, color theory, composition and perspective.
Art	ART	034A	Students will create montage and collage projects that depict lighting and shading, linear, and atmospheric perspective and composition.
Art	ART	034B	On completion of the course the student will be able to create a narrative sequence of, full color digital paintings using the original concept art and three frames from the storyboard.
Art	ART	034B	Upon completion of this course a student will be able to create a set of unique characters and develop a narrative around those characters which illustrates storyboarding concepts and techniques.
Art	ART	035A	Upon successful completion of this course, a student will be able to: create drawings which analyze the human body identifying anatomy, 7.5 heads proportion and 1:1 ratio of figure to page in timed poses of 1 minute, 5 minutes, 20 minutes, and 40 minutes.
Art	ART	035A	Upon Successful completion of this course, a student will be able to: create drawings which clarify, organize, and simplify light and shadow into simple masses of light and shade using graphite and charcoal technique.
Art	ART	035B	Upon successful completion of this course, a student will be able to: create a portfolio of figurative drawings 18" x 24" or larger using the techniques learned in Art 35A which demonstrate an ability to render motion, weight, gesture, shade, and proportion in the live model.
Art	ART	035B	Upon successful completion of this course, a student will be able to: demonstrate in their drawings a proficiency in describing and interpreting the head, hands and feet.
Art	ART	035B	Upon successful completion of this course, a student will be able to: plan and execute figurative artwork in a variety of media including charcoal, conte, ink, color chalk and color pencil.

Art	ART	035C	Upon successful completion of this course, a student will be able to: ,create drawings which use mixed-media collage as a background foundation for rendering a model.
Art	ART	035C	Upon successful completion of this course, a student will be able to: create a portfolio of figurative drawings 18Ó x 24Ó or larger which demonstrate the techniques learned in Art 35B to understand and interpret potential motion, weight, gesture, shade, and proportion in the live model.
Art	ART	035C	Upon successful completion of this course, a student will be able to: plan and execute figurative artwork in a variety of media including charcoal, conte, ink, color chalks, color pencils and watercolor.
Art	ART	035D	Upon successful completion of this course, a student will be able to: create a portfolio of figurative drawings 18Ó x 24Ó or larger which demonstrate the techniques learned in Art 35C to understand and interpret potential motion, weight, proportion, shade, and gesture in the live model.
Art	ART	035D	Upon successful completion of this course, a student will be able to: Describe, interpret and assess their own artwork and that of their peers and professional artists in a class critique.
Art	ART	035D	Upon successful completion of this course, a student will be able to: plan and execute figurative artwork in a variety of media including charcoal, conte, ink, color pencil, color chalk, and watercolor with a personal style.
Art	ART	039A	Upon successful completion of this course, a student will be able to: ,create prints which demonstrate building and printing a collograph plate.
Art	ART	039A	Upon successful completion of this course, a student will be able to: ,create a series of monotypes using water-based inks and mixed media.
Art	ART	039A	Upon successful completion of this course, a student will be able to: ,create a series of prints using etching on zinc plates.
Art	ART	039A	Upon successful completion of this course, a student will be able to: ,create prints which demonstrate drawing and printing a dry point print using acrylic or copper plates.
Art	ART	047A	Upon successful completion of this course, a student will be able to: construct watercolor paintings with textural techniques and smooth, graded washes as they apply to value changes and shadow transparency.
Art	ART	047A	Upon successful completion of this course, a student will be able to: Identify watercolor pigment characteristics and create watercolor paintings using personal stylistic solutions to formal problems.

Art	ART	047B	Upon successful completion of this course, a student will be able to: construct watercolor paintings using transparent washes and textural techniques learned in Art 47A, using photographs and collages as visual references.
Art	ART	047B	Upon successful completion of this course, a student will be able to: create paintings which identify and employ a variety of mixed media with watercolor paint.
Art	ART	047C	Upon successful completion of this course, a student will be able to: construct watercolor paintings using collage and mixed media which demonstrate a personal narrative.
Art	ART	047C	Upon successful completion of this course, a student will be able to: construct watercolor paintings using transparent washes and textural techniques used in Art 47B with photographs and collages as visual references.
Art	ART	047D	Upon Successful completion of this course, a student will be able to: construct a series of paintings using watercolor and mixed media with personal style and content.
Art	ART	047D	Upon successful completion of this course, a student will be able to: construct watercolor paintings with transparent washes and textural techniques learned in Art 47C using photographs and collages as visual references.
Art	ART	048A	Students will create a portrait using elementary airbrush techniques.
Art	ART	048A	Students will create airbrush paintings which apply techniques of color mixing, transparency, creating value/color gradations, and masking.
Art	ART	048B	Students will build on techniques learned in Art 48A to create a series of airbrush paintings which apply intermediate techniques of color mixing, light theory blending, masking, and drawing.
Art	ART	048B	Students will create paintings from photographs using airbrush and acrylic paint.
Art	ART	048C	Students will build on techniques learned in Art 48B to create a series of airbrush paintings which apply more advanced color mixing, light theory blending, masking, and drawing.
Art	ART	048C	Students will create paintings using techniques of airbrush and mixed-media collage.
Art	ART	048D	Students will build on techniques learned in Art 48C to create a series of airbrush paintings that demonstrate mastery of advanced techniques of color mixing, light theory blending, masking, and drawing.
Art	ART	048D	Upon successful completion of this course, a student will be able to:;Create paintings on alternative surfaces using airbrush and mixed media.
Art	ART	049A	Upon successful completion of this course, a student will be able to: Create a portfolio of acrylic or oil paintings based on an understanding of light theory, color, composition,and drawing.

Art	ART	049A	Upon successful completion of this course, a student will be able to: construct acrylic or oil paintings using supports, grounds, mediums, brushes and paints with technical ability.
Art	ART	049B	Upon Successful completion of this course, a student will be able to: Construct acrylic or oil paintings using supports, grounds, mediums, brushes and paints with technical ability.
Art	ART	049B	Upon successful completion of this course, a student will be able to: Create a portfolio of acrylic or oil paintings based on an understanding of light theory, color, composition, and drawing learned in Art 49A.
Art	ART	049B	Upon successful completion of this course, a student will be able to: Use collage as a base to create an oil or acrylic painting.
Art	ART	049C	Upon successful completion of this course, a student will be able to: construct acrylic or oil paintings which reflect an individual style using supports, grounds, mediums, brushes and paints with technical ability.
Art	ART	049C	Upon successful completion of this course, a student will be able to: create a portfolio of acrylic or oil paintings based on an understanding of light theory, color, composition and drawing learned in Art 049B.
Art	ART	049D	Upon successful completion of this course, a student will be able to: Create a portfolio of oil or acrylic paintings which demonstrate an understanding of color, composition, and content.
Art	ART	049D	Upon successful completion of this course, a student will be able to: Create sustained paintings over multiple classes using personal stylistic solutions to formal problems.
Art	ART	049D	Upon successful completion of this course, a student will be able to: Describe, interpret and assess the aesthetics of their own artwork and that of their peers and professional artists in a class critique.
Art	ART	065A	Demonstrate the ability to build ceramic forms in several artistic methods appropriate to the forms (i.e., coil, slab, pinchpot, etc.)
Art	ART	065A	Develop "critical eye," and demonstrate the ability to evaluate and judge forms as used in ceramics.
Art	ART	065B	Students create ceramic forms using advanced hand-building construction techniques for the appropriate artistic style/form intended. (i.e., advanced ceramic hand-building forms which incorporate different construction and glazing techniques, etc.)
Art	ART	065B	Students expand on developing a "critical eye", and demonstrate their ability to evaluate and judge ceramic forms.
Art	ART	065C	The student will demonstrate skills in advanced handbuilding techniques.
Art	ART	065C	The student will develop in depth understanding of ceramic materials and their properties.

Art	ART	065D	1. Outcome:The student will develop in-depth understanding of ceramic materials and their properties beyond that of previous course levels.
Art	ART	065D	Outcome: The student will demonstrate skills in advanced hand-building techniques beyond the levels achieved in the previous course.
Art	ART	067A	Demonstrate basic skill in clay body formulation,1. Formulating an engobe
Art	ART	067A	Demonstrate basic skill in firing ceramic kilns,1. Load and fire a bisque or glaze firing
Art	ART	067A	Demonstrate basic skill in various glazing techniques,1. Raised design using wax-resist,2. Engobe design using wax-resist,3. Combing or Marbleizing using engobes or glazes.,4. Creating textures on clay surfaces,5. Applique design on clay surfaces,6. Painted designs on clay surfaces,7. Mishima designs on clay surfaces,8. Sgraffito designs on clay surfaces,9. Stenciled designs on clay surfaces,10. Slip Trailed designs on clay surfaces,11. Sprayed glazes on ceramic ware,12. Glazed designs created with the dipping method,13. Glazed designs created with the pouring method,14. Glazed designs created with the brushing technique
Art	ART	067A	The student will create one of each ceramic form listed below:,,1. Cylinder,2. Vase,3. Bowl,4. Plate,5. Sphere/Oval,6. Handle,7. Lid,8. Spout,9. Salsa disk,10. Combined 2 or more sections into one ceramic object
Art	ART	067A	Three-dimensional design, as it applies to ceramic ware 1. Design, create and finish ceramic projects
Art	ART	067B	Apply basic throwing skills developed in Art 067A to create advanced ceramic forms.
Art	ART	067B	Utilize 3-dimensional design skills including surface and decorative glazing techniques.
Art	ART	067C	The student will apply surface treatments to thrown vessels at a high-intermediate level of skill.
Art	ART	067C	The student will create pottery that incorporates high-intermediate skills in creating thrown vessels that are larger in scale and complexity than achieved in previous courses.
Art	ART	067D	The student will demonstrate skills in advanced potters-wheel throwing techniques beyond the levels achieved in the previous course.
Art	ART	067D	The student will develop in-depth understanding of ceramic materials and their properties beyond that of previous course levels.
Art	ART	075A	Correctly use basic metalsmithing tools and techniques: sawing, piercing, casting, soldering, forming, and forging.
Art	ART	075A	Solve spatial, structural, or functional problems in metal.
Art	ART	075B	Apply intermediate skills in design and technique to the production of metal art objects.
Art	ART	075B	Utilize intermediate skills in design to relate form to content or function.

Art	ART	075C	Apply advanced techniques of design and construction to the production of metal art objects.
Art	ART	075C	Use the vocabulary of the design industry in oral critiques of finished works.
Art	ART	075D	Create capstone pieces that involve solving complex problems of design and execution as mastered in the requisite courses in metal-smithing.
Art	ART	075D	Produce works that reflect mastery of requisite coursework design and craft in the production of metal art objects.
Art	ART	078A	Identify design styles and historic periods of furniture design.
Art	ART	078A	Safely use basic hand tools to build furniture.
Art	ART	078A	Safely utilize basic power tools to build furniture.
Art	ART	078A	Utilize knowledge of design principles to design and develop plans for custom furniture.
Art	ART	078B	Student will learn and utilize advanced construction techniques to build furniture.
Art	ART	078B	Students will learn how to design furniture in a creative manner and utilize this, knowledge to design custom furniture.
Art	ART	078C	Apply advanced design techniques to woodworking projects.
Art	ART	078C	Design and build projects of increased complexity such as case construction and raised-panel doors.
Art	ART	078D	Students will create aesthetically pleasing, well-crafted projects which exhibit professional craftsmanship.
Art	ART	078D	Students will create original designs for furniture projects with greater complexity and scope than achieved in previous levels of the course and that include all information and specifications needed to build the project.
Art	ART	078D	Students will work independently to set up machinery and construct furniture/wood projects in the art lab workshop (while instructor or lab tech are present for safety reasons)
Art	ART	085A	Build sculptural forms in several materials appropriate to the forms (i.e., fabrication, carving, modeling, etc.), at an introductory skill level.
Art	ART	085A	Develop "critical eye" and apply it to the evaluation of forms as used in sculpture.
Art	ART	085B	Apply sculpture techniques developed in ART 085A with emphasis on three-dimensional composition and individual artistic style.
Art	ART	085B	Utilize advanced sculpture media and techniques such as welding and fabrication, or advanced carving projects in wood, stone or plaster.
Art	ART	085C	Design and complete advanced individual and/or group projects focusing on special aspects of course content
Art	ART	085C	Improve his/her artistic, creative and technical abilities

Art	ART	085D	Develop individual and/or group projects under the direction of the instructor, focusing on special aspects of sculpture. Continue to explore aspects with greater concentration, enhancing his/her artistic, creative, and technical skills and abilities.
Art	ART	085D	Prepare artwork for presentation in professional exhibitions
Art	ART	088A	Demonstrate appropriate use of safety gear and techniques as part of a foundry team which melts and pours metal into molds.
Art	ART	088A	Design and create sculpture patterns for lost wax and sand castings.
Art	ART	088B	Build on skills and techniques learned in ART 88A to produce metal castings at an intermediate level.
Art	ART	088B	Build on skills learned in ART 88A to develop original, well-designed sculptural forms.
Art	ART	088C	Complete advanced cast metal sculpture projects with emphasis on creativity and three-dimensional composition.
Art	ART	088C	Enhance artistic skills by repetition and practice.
Art	ART	088D	Complete advanced foundry projects with an emphasis on creativity and developing a personal style/means of expression
Art	ART	088D	Enhance artistic and technical skills by repetition and practice.
Art	ART	088D	Prepare students to present their art in a professional setting.

Department	Subject	Number	Student Learning Outcome
Astronomy	AST	001	The student will contrast the environment around them with other environments on different planets and different star systems.
Astronomy	AST	001	The student will describe their location in the Universe in both time and space. The student will also describe today's Universe in terms of the origin of the Universe and evolution of the matter that they are composed.
Astronomy	AST	001	The student will identify the basic laws of physics and apply these laws throughout the Universe, from the Earth to the visible edge.
Astronomy	AST	003	Students will compare and contrast the environment around them with other environments on different planets and different star systems.
Astronomy	AST	003	Students will obtain and analyze astronomical data to deduce the structure of the Universe.
Astronomy	AST	003	Students will use spectral analyses and other tools to trace the origin and evolution of the Universe.
Astronomy	AST	003H	Students will obtain and analyze astronomical data to deduce the structure of the Universe.
Astronomy	AST	003H	Students will use spectral analyses and other tools to trace the origin and evolution of the Universe.

Astronomy	AST	003H	The student will compare and contrast the environment around them with other environments on different planets and different star systems.
Astronomy	AST	003H	Using a telescope at a remote site, the honors student will obtain and numerically process an interesting astronomical image to produce an accurate image of the object.
Astronomy	AST	004	Describe methods of detecting life outside of Earth.
Astronomy	AST	004	Explain importance of liquid water to terrestrial life and the physical conditions required for water to be liquid.
Astronomy	AST	004	Explain sources of energy utilized by life on Earth.

Department	Subject	Number	Student Learning Outcome
Biological Sciences	BIO	001A	Compare and contrast gene structure and the regulation of gene expression in prokaryotes and eukaryotes.
Biological Sciences	BIO	001A	Describe in molecular detail the cell structures and processes involved in membrane transport, aerobic and anaerobic respiration, photosynthesis, and compare and contrast their respective roles in energy transformations in cells.
Biological Sciences	BIO	001A	Explain the basic tenets of biochemistry and biological thermodynamics as applied to the study of cells and cell functions.
Biological Sciences	BIO	001A	Explain the Scientific Method and use it to design, perform and interpret experiments in the laboratory.
Biological Sciences	BIO	001AH	Compare and contrast gene structure and the regulation of gene expression in prokaryotes and eukaryotes.
Biological Sciences	BIO	001AH	Describe in molecular detail the cell structures and processes involved in membrane transport, aerobic and anaerobic respiration, photosynthesis, and compare and contrast their respective roles in energy transformations in cells.
Biological Sciences	BIO	001AH	Explain the basic tenets of biochemistry and biological thermodynamics as applied to the study of cells and cell functions.
Biological Sciences	BIO	001AH	Explain the Scientific Method and use it to design, perform and interpret experiments in the laboratory.
Biological Sciences	BIO	001B	Compare and contrast the main features of taxa studied and their phylogeny.
Biological Sciences	BIO	001B	Explain basic principles of evolution.
Biological Sciences	BIO	001B	Explain general ecological principles.
Biological Sciences	BIO	001B	Understand form and function relationships in plants and animals.
Biological Sciences	BIO	004	Compare and contrast commensal, opportunistic, and parasitic relationships between humans and microorganisms

Biological Sciences	BIO	004	Correctly perform aseptic technique and follow protocols in the microbiology laboratory
Biological Sciences	BIO	004	Describe, evaluate, and apply proper methods of both physical and chemical microbial control
Biological Sciences	BIO	004	Explain the role of the immune system in challenging infection
Biological Sciences	BIO	004	Summarize the basic principles of prokaryotic genetics, including methods of horizontal gene transfer in bacteria
Biological Sciences	BIO	010	Compare and contrast the cell structures of plants, animals and bacteria.
Biological Sciences	BIO	010	Describe how ecosystems are structured and the ecological relationships between organisms and their environment.
Biological Sciences	BIO	010	Describe the molecular basis for heredity, DNA replication, and protein synthesis.
Biological Sciences	BIO	010L	Apply the scientific method to solve problems in biology.
Biological Sciences	BIO	010L	Summarize investigations conducted in lab.
Biological Sciences	BIO	011	Describe how organisms interact with their environments, with an emphasis on the relationship that humans have with their environment
Biological Sciences	BIO	011	Describe the molecular basis of biological inheritance and summarize the principles of Mendelian genetics, with an emphasis on human genetics
Biological Sciences	BIO	011	Describe the scientific method
Biological Sciences	BIO	011	Describe the structure and function of the components of a typical cell, and summarize cellular respiration, transport mechanisms, protein synthesis and cell division
Biological Sciences	BIO	011	Explain the major physiological principles of the systems studied and relate them to the maintenance of good health
Biological Sciences	BIO	011	Explain the theory of evolution by means of natural selection, with an emphasis on human evolution, and describe the evidence supporting the theory of evolution
Biological Sciences	BIO	012	Evaluate the effectiveness of public health measures to control infectious disease, including quarantine, vaccination, and antimicrobial drugs.
Biological Sciences	BIO	012	Given a common microbial pathogen, summarize the mode of transmission, mechanism of pathogenicity, disease progression and treatment options available.
Biological Sciences	BIO	012	Identify and discuss factors leading to the emergence or re-emergence of infectious diseases.
Biological Sciences	BIO	014	Describe the mechanisms of action of the special senses
Biological Sciences	BIO	014	Describe the structure of neurons and explain synaptic transmission.
Biological Sciences	BIO	014	Explain how the brain controls emotion, sleep, language, attention and memory
Biological Sciences	BIO	016	Describe features of the major phyla of marine life.

Biological Sciences	BIO	016	Explain how human activities alter ocean ecology and threaten the survival of marine species.
Biological Sciences	BIO	017	Critically examine ethical issues surrounding the role of genetics in modern society
Biological Sciences	BIO	017	Describe in general terms the fundamental processes governing gene expression and regulation of gene expression
Biological Sciences	BIO	017	Describe the cell cycle and meiosis and explain their role in genetic disease.
Biological Sciences	BIO	017	Explain the basic principles of human genetics, and describe various sources of genetic variation and the role they may play in disease.
Biological Sciences	BIO	017	Explain the basic techniques used in modern reproductive technologies and technologies such as gene therapy.
Biological Sciences	BIO	017H	Critically examine ethical issues surrounding the role of genetics in modern society
Biological Sciences	BIO	017H	Describe in general terms the fundamental processes governing gene expression and regulation of gene expression
Biological Sciences	BIO	017H	Explain the basic principles of human genetics, and describe various sources of genetic variation and the role they may play in disease.
Biological Sciences	BIO	017H	Explain the basic techniques used in modern reproductive technologies and technologies such as gene therapy.
Biological Sciences	BIO	019	Outcome 1: Determine the abiotic and biotic factors that affect species in different marine communities.
Biological Sciences	BIO	019	Outcome 2: Assess and evaluate environmental issues that affect marine life.
Biological Sciences	BIO	022	Describe body planes, sections, cavities and regions using anatomical terms
Biological Sciences	BIO	022	Describe the homeostatic mechanisms that control physiological variables
Biological Sciences	BIO	022	Describe the structure and function of the components of a typical cell, and summarize transport mechanisms, cell division and protein synthesis
Biological Sciences	BIO	022	Describe the structure and function of the components of a typical cell, and summarize transport mechanisms, cell division and protein synthesis
Biological Sciences	BIO	022	Describe the structure and function of the different tissue types
Biological Sciences	BIO	022	List the major components of the body systems and describe the structure and function of each
Biological Sciences	BIO	025	4. Students will discuss the relationship between human population size, consumption and environmental damage.
Biological Sciences	BIO	025	Describe the causes of major environmental threats to the earth, understand their consequences and propose solutions.

Biological Sciences	BIO	025	Evaluate the scientific evidence for global climate change, analyze its consequences to humanity and ecosystems, and discuss solutions to the climate crisis.
Biological Sciences	BIO	025	Explain basic ecological principles.
Biological Sciences	BIO	030	Explain the physical and biological characteristics of a tropical rainforest and the worldwide distribution of this biome.
Biological Sciences	BIO	030	Identify plants and animals found in tropical ecosystems and describe their ecological niches.
Biological Sciences	BIO	030L	Correctly identify organisms in the field.
Biological Sciences	BIO	030L	Describe a field sampling technique.
Biological Sciences	BIO	032	Evaluate the biotic factors influencing the ecology of species in the community visited on a field trip.
Biological Sciences	BIO	032	Identify common plants and animals and explain salient features of their natural history.
Biological Sciences	BIO	041	Demonstrate understanding of basic evolutionary principles.
Biological Sciences	BIO	041	Develop and interpret phylogenetic trees using cladistics.
Biological Sciences	BIO	041	Distinguish main features and relationships of major taxa of protozoans and animals.
Biological Sciences	BIO	041	Explain basic physiological processes of animals.
Biological Sciences	BIO	042	Discuss the abiotic and biotic factors that influence the ecology and evolution of plants.
Biological Sciences	BIO	042	Explain ecological principles as applied to populations, communities and ecosystems.
Biological Sciences	BIO	042	Explain the phylogenetic relationships among the clades of organisms studied.
Biological Sciences	BIO	042	Explain the phylogenetic relationships among the clades of organisms studied.
Biological Sciences	BIO	043	Compare and contrast gene structure and the regulation of gene expression in prokaryotes and eukaryotes
Biological Sciences	BIO	043	Describe in molecular detail the cell structures and process involved in membrane transport, aerobic and anaerobic respiration, photosynthesis, and compare and contrast their respective roles in energy transformations in cells.
Biological Sciences	BIO	043	Explain the basic tenets of biochemistry and thermodynamics as applied to the study of cells and cell function.
Biological Sciences	BIO	043	Explain the Scientific Method and use it to design, perform and interpret experiments in the laboratory.
Biological Sciences	BIO	043H	Compare and contrast gene structure and the regulation of gene expression in prokaryotes and eukaryotes.
Biological Sciences	BIO	043H	Describe in molecular detail the cell structures and processes involved in membrane transport, aerobic and anaerobic respiration, photosynthesis, and compare and contrast their respective roles in energy transformations in cells.

Biological Sciences	BIO	043H	Explain the basic tenets of biochemistry and biological thermodynamics as applied to the study of cells and cell functions.
Biological Sciences	BIO	043H	Explain the Scientific Method and use it to design, perform and interpret experiments in the laboratory.
Biological Sciences	BIO	047	Describe the structure and function of cellular organelles
Biological Sciences	BIO	047	Describe the structure and function of the different tissue types
Biological Sciences	BIO	047	List the components of all eleven body systems and describe the gross and microscopic structure of each
Biological Sciences	BIO	047	Use anatomical terms to describe body planes, sections, cavities and regions
Biological Sciences	BIO	048	Chemically classify the major hormones in the body and describe their functions.
Biological Sciences	BIO	048	Define homeostasis and explain how homeostasis is essential for living systems to exist.
Biological Sciences	BIO	048	Define homeostasis and explain how negative feedback loops maintain homeostasis.
Biological Sciences	BIO	048	Delineate the role of the cardiovascular system in the transport of gases, metabolites, hormones, and salts and water to various body organs, and be able to evaluate data obtained from the body relevant to these functions.
Biological Sciences	BIO	048	Describe the major functions of the plasma membrane and describe the passive and active transport mechanisms that enable substances to cross the plasma membrane.
Biological Sciences	BIO	048	Describe the metabolic pathways involved with glucose, fat, and protein metabolism and summarize the energy yield of glycolysis and cellular respiration
Biological Sciences	BIO	048	Explain cell transport processes and describe how membrane potentials are generated.
Biological Sciences	BIO	048	Explain the functioning of neurons including resting membrane potentials, graded potentials, and action potentials.
Biological Sciences	BIO	048	Explain the key steps involved in the stimulation and contraction of skeletal muscle fibers; compare this to the similar processes in cardiac and smooth muscle.
Biological Sciences	BIO	048	State the functions of the cardiovascular, lymphatic and respiratory systems, and explain how these systems work.
Biological Sciences	BIO	048	State the functions of the digestive, urinary, endocrine and reproductive systems, and explain how these systems work.
Biological Sciences	BIO	048	State the functions of the nervous and muscular systems, and explain how these systems work.
Biological Sciences	BIO	048H	Define homeostasis and explain how negative feedback loops maintain homeostasis.
Biological Sciences	BIO	048H	Evaluate in depth a topic in physiology using peer-reviewed journal articles.
Biological Sciences	BIO	048H	Explain cell transport processes and describe how membrane potentials are generated.

Biological Sciences	BIO	048H	State the functions of the cardiovascular, lymphatic and respiratory systems, and explain how these systems work.
Biological Sciences	BIO	048H	State the functions of the digestive, urinary, endocrine and reproductive systems, and explain how these systems work.
Biological Sciences	BIO	048H	State the functions of the nervous and muscular systems, and explain how these systems work.
Biological Sciences	BIO	081H	Students will be able to identify a peer-reviewed scholarly article and be able to summarize the contents and present a summary in their own words.
Biological Sciences	BIO	081H	Students will have the knowledge to create a literature review on a topic in biology approved by the instructor.
Biological Sciences	BIO	081H	Students will participate in discussions with the instructor and other students, thereby demonstrating a knowledge of the basic foundations of biology as they apply to an area of research.

Department	Subject	Number	Student Learning Outcome
Business	BUS	102	Students will apply leadership strategies in solving real world business scenarios.
Business	BUS	102	Students will compare and contrast leadership styles and their effects on employees.
Business	BUS	103	Students will compare and contrast two different management approaches that are used in today's business world.
Business	BUS	103	Students will solve management issues given real world scenarios.
Business	BUS	115	Assess the impact of new technologies (i.e., 3D Printing, new generation of robots and RFID chips) on operational management.
Business	BUS	115	Evaluate and explain the main elements of aggregate planning and master scheduling.
Business	BUS	115	Evaluate and solve real world business scenarios using different operational management approaches.
Business	BUS	118	Compare and contrast different recruiting methods.
Business	BUS	118	Evaluate the effectiveness of a recruitment strategy.
Business	BUS	010	Analyze a new market to assess global business opportunities.
Business	BUS	010	Construct a comparative evaluation of two countries' business environments.
Business	BUS	021	Analyze a cutting-edge technology in the field of information systems.
Business	BUS	021	Compare and contrast the role and function of systems and application software in business.
Business	BUS	021	Compare and contrast the role and functions of system and application software in business.

Business	BUS	021	Identify and describe the concepts and terms of a computer-based information system (CBIS).
Business	BUS	021	Investigate information system terms and concepts
Business	BUS	021	Recommend how a business might use information systems
Business	BUS	021L	Accurately complete the Microsoft Office Suite Projects.
Business	BUS	021L	Demonstrate the ability to use a spreadsheet, word processing and presentation program.
Business	BUS	021L	Perform various file management tasks in the Windows operating system.
Business	BUS	028A	Analyze a business situation to determine if a valid contract exists.
Business	BUS	028A	Analyze business situation involving legal issue and determine best course of action.
Business	BUS	028A	Compare and contrast the employer-employee and employer-independent contractor relationships.
Business	BUS	028A	Evaluate dispute resolution process after attending local civil court session.
Business	BUS	028A	Identify and describe the four key elements needed for a valid contract.
Business	BUS	028A	Identify and describe the state and federal court systems.
Business	BUS	028B	Students will analyze a business situation involving a legal issue and determine the best course of action.
Business	BUS	028B	Students will compare and contrast the debtor-creditor relationship.
Business	BUS	028B	Students will construct a comparative evaluation of a two countries' laws dealing with business.
Business	BUS	037	Develop a project plan that includes scheduling, milestones, risk analysis, budget, and marketing and promotion.
Business	BUS	037	Identify and describe how one of the Project Management Body of Knowledge (PMBOK™) processes is used in an organization.
Business	BUS	038	Analyze how one of the Project Management Body of Knowledge (PMBOK™) processes is used in an organization.
Business	BUS	038	Identify and describe the project audit steps.
Business	BUS	038	Investigate effective project management techniques.
Business	BUS	040	Apply sales techniques to real world situations.
Business	BUS	040	Identify and describe the sales cycle steps.
Business	BUS	051	Construct a class project to distinguish among the primary functions within a business.
Business	BUS	051	Critically analyze current research in the field of business.
Business	BUS	051	Describe and demonstrate a working vocabulary of business concepts and terms.
Business	BUS	052	Identify and describe the financial and tax planning steps that are used for making business decisions.

Business	BUS	052	Identify and describe the tools used in calculating investment returns in the stock market.
Business	BUS	054	Critically analyze small business start-up principles as they pertain to different forms of ownership.
Business	BUS	054	Develop a business plan that includes financial analysis, a marketing plan, supply-chain plan, and a resource plan.
Business	BUS	056A	Analyze the effectiveness of the marketing mix (product, price, promotion and distribution) for a particular organization.
Business	BUS	056A	Determine appropriate market segments and target markets and explain consumer behavior.
Business	BUS	056A	Identify global forces external to the organization that affect marketing strategies.
Business	BUS	061	Analyze the environmental forces that are changing the business environment.
Business	BUS	061	Analyze the impact of globalization on the business community and determine the best course of action.
Business	BUS	064B	Calculate appropriate performance measures for investments.
Business	BUS	064B	Identify and describe the different methods for pricing products and services.
Business	BUS	074	Students will compare and contrast the four foundation elements of supply chain management.
Business	BUS	074	Students will compare and contrast the traditional purchasing process with e-procurement and green purchasing programs.
Business	BUS	074	Students will evaluate and explain the hierarchical operations planning process in terms of material and capacity planning.
Business	BUS	077C	Evaluate a business situation and determine ways to improve customer service.
Business	BUS	078B	Construct a business communication document.
Business	BUS	078B	Identify and describe how business communication can increase value.
Business	BUS	084	Students will develop an Internet marketing plan.
Business	BUS	084	Students will evaluate Internet marketing strategies

Department	Subject	Number	Student Learning Outcome
Chemistry	CHEM	001A	Students will accurately describe the structure of the atom and/or molecules in terms of quantum theory, valence bond theory, molecular diagrams, and/or molecular geometry.
Chemistry	CHEM	001A	Students will correctly balance chemical equations and solve stoichiometry problems as applied in solutions, thermochemistry, and/or gas laws.
Chemistry	CHEM	001AH	Students will accurately describe the structure of the atom and/or molecules in terms of quantum theory, valence bond theory, molecular diagrams, and/or molecular geometry.

Chemistry	CHEM	001AH	Students will correctly balance chemical equations and solve stoichiometry problems as applied in solutions, thermochemistry, and/or gas laws.
Chemistry	CHEM	001B	Perform calculations pertaining to equilibrium constants for acids and bases, acids, bases, conjugate acids/bases, pH, buffers, and acid-base titrations.
Chemistry	CHEM	001B	Perform thermodynamic calculations including entropy change (ΔS), Gibbs free energy change (ΔG), enthalpy change (ΔH), standard free energy of formation (ΔG_f°), and spontaneity and energy transfer as heat.
Chemistry	CHEM	001BH	Perform calculations pertaining to equilibrium constants for acids and bases, acids, bases, conjugate acids/bases, pH, buffers, and acid-base titrations.
Chemistry	CHEM	001BH	Perform thermodynamic calculations including entropy change (ΔS), Gibbs free energy change (ΔG), enthalpy change (ΔH), standard free energy of formation (ΔG_f°), and spontaneity and energy transfer as heat.
Chemistry	CHEM	002	Demonstrate the ability to perform stoichiometric calculations for chemical reactions in order to predict chemical quantities through calculation.
Chemistry	CHEM	002	Demonstrate the ability to write formulas for and name chemical compounds in order to communicate using the language of chemistry and to write and balance chemical equations in order to predict products in chemical reactions and their quantities.
Chemistry	CHEM	002L	Demonstrate competence in the use of technology to measure, analyze and present experimental data
Chemistry	CHEM	002L	Perform laboratory experiments in a safe and purposeful manner. In the Laboratory a report for every Lab experiment performed is required. For every lab, students should write in their own words its objective, procedure and safety precautions.
Chemistry	CHEM	007	Students will accurately describe the components of major metabolic pathways, which can include the energetics and structures in metabolism.
Chemistry	CHEM	007	Students will accurately describe the structures and functions of the four major classes of biological macromolecules.
Chemistry	CHEM	012A	Students will be able to describe the structure and stereochemistry of organic molecules.
Chemistry	CHEM	012A	Students will be able to utilize a series of organic reactions in order to design a viable synthetic route to a given simple target molecule requiring a maximum of four steps.
Chemistry	CHEM	012AH	Students will be able to describe the structure and stereochemistry of organic molecules.
Chemistry	CHEM	012AH	Students will be able to utilize a series of organic reactions in order to design a viable synthetic route to a given simple target molecule requiring a maximum of four steps.
Chemistry	CHEM	012B	Demonstrate the ability to recognize and name all major classes of organic compounds of different functional groups.

Chemistry	CHEM	012B	Demonstrate the ability to write chemical reactions for all major classes of organic ,compounds in order to recognize the specific type of reaction for an organic compound with one or several of the same or different functional groups (such as acid, base).
Chemistry	CHEM	012BH	Students will be able to recognize and name all major classes of organic compounds of different functional groups.
Chemistry	CHEM	012BH	Students will be able to write chemical reactions for all major classes of organic ,compounds in order to recognize the specific type of reaction for an organic compound with one or several of the same or different functional groups (such as acid, base).
Chemistry	CHEM	030A	Characterize different types of chemical reactions in order to better comprehend oxidation-reduction, acid-base, and other chemical processes in biological ,organisms.
Chemistry	CHEM	030A	Convert between different systems of units used in scientific ,calculations in order to solve introductory and more advanced problems in chemistry.
Chemistry	CHEM	030B	Students must be able to calculate mass of products of chemical reactions using mole concept and calculation %yield in order to be able to identify the components of IV solutions, and active ingredients of different medications.
Chemistry	CHEM	030B	Students must recognize the functional groups of organic compounds and their reactions ,in order to identify carbohydrates, enzymes, fats, vitamins, amino acids and their function in the body.
Chemistry	CHEM	060	Students will be able to complete fundamental chemistry calculations pertaining to stoichiometry, solutions, and gases.
Chemistry	CHEM	060	Students will be able to differentiate between the major metabolic pathways involved in adenosine triphosphate (ATP) synthesis, namely glycolysis, the citric acid cycle, and the electron transport chain.
Chemistry	CHEM	060	Students will be able to name simple organic molecules containing functional groups.

Department	Subject	Number	Student Learning Outcome
Child Development	CHD	001	Apply knowledge of development and major theoretical frameworks to child observations.
Child Development	CHD	001	Describe development of children from conception through adolescence in the physical, social, emotional, and cognitive domains.
Child Development	CHD	001	Identify cultural, economic,,political and historical contexts that impact children's development.
Child Development	CHD	002	Demonstrate a basic understanding of the social issues, changes, and transitions that affect children, families, schools, and communities.

Child Development	CHD	002	Identify and describe a variety of community agencies and services available to families and children.
Child Development	CHD	002	Identify one's own values, goals, and sense of self as related to family history and life experiences, assessing how this impacts relationships with children and families.
Child Development	CHD	003	Describe characteristics of typical and atypical language development during early childhood.
Child Development	CHD	003	Plan and present developmentally appropriate strategies to include dual language learners in early childhood classrooms.
Child Development	CHD	003	Plan, prepare and present developmentally appropriate language and literacy activities and materials for young children.
Child Development	CHD	004	Demonstrate an understanding of the theories of cognitive development by developing and designing learning experiences that will promote children's cognitive development.
Child Development	CHD	004	Identify the cognitive components of the child's behavior through the use of observational techniques.
Child Development	CHD	005	Describe the effect music and movement has on the development of all children, typically and atypically developing, in all domains(cognitive, social/emotional, physical).
Child Development	CHD	005	Through the use observation notes, CA state Learning Foundations and/or DRDP assessment criteria students will design a developmentally and culturally appropriate music and movement curriculum that ,(a) promotes development ,(b) documents all developmental opportunities across domains,(c) describes the resources and materials used in the curriculum
Child Development	CHD	006	Demonstrate the ability to develop strategic budget processes and fiscal planning.
Child Development	CHD	006	Evaluate components of quality programs, facilities and operations.
Child Development	CHD	006	Identify and apply administration skills per Title 22 and Title 5 licensing law standards for California Child Care Programs.
Child Development	CHD	007	Demonstrate effective practices for managing and leading staff and administering early care and education programs.
Child Development	CHD	007	Identify and implement a staff selection process that includes writing job notices, reviewing applications, conducting interviews hiring staff. 80% of students will meet the criteria created to successfully display knowledge of these components of staff hiring procedures.
Child Development	CHD	007	Implement ongoing professional development plans based on evaluation of staff and administrator needs.

Child Development	CHD	008A	Apply a variety of effective strategies and techniques for teaching in an Early Childhood classroom.
Child Development	CHD	008A	Design, implement and evaluate curriculum activities that are based on observation and assessment of young children.
Child Development	CHD	008A	Observe and analyze teacher behaviors and compare and contrast their own teaching experiences to guide and inform practice.
Child Development	CHD	008B	Describe and identify the components needed in a professional portfolio.
Child Development	CHD	008B	Design and implement an effective environment that will enhance the child's development.
Child Development	CHD	008B	Design, implement and evaluate curriculum activities that are based on observation and assessment of young children.
Child Development	CHD	008B	Develop and implement effective guidance strategies in working with children.
Child Development	CHD	010	Assess early childhood settings, curriculum, and teaching strategies utilizing indicators of quality early childhood practice.
Child Development	CHD	010	Demonstrate the ability to do objective observations using learned skills and techniques and assess the program for Developmentally and Culturally Appropriate Practice (DCAP)
Child Development	CHD	010	Describe culturally sensitive, comprehensive family involvement programs including conferences and home visits.
Child Development	CHD	010	Identify the role of the teacher and the basic elements of early childhood programs.
Child Development	CHD	013	Critically assess the components of linguistically and culturally relevant, inclusive, age-appropriate, anti-bias approaches in promoting optimum learning and development.
Child Development	CHD	013	Develop environments and curriculum that reflect children's culture and experiences while supporting the acquisition of authentic information about differences and that challenge existing social biases.
Child Development	CHD	013	Evaluate the impact of personal experiences and social identity on teaching effectiveness.
Child Development	CHD	013	Recognize the influences of race, class, ethnicity, ability, gender and social distinctions on children's developing sense of self.,,REVISION:; Explain the influences of race, class, ethnicity, ability, gender and social distinctions on children's developing sense of self.
Child Development	CHD	014	Demonstrate an understanding of the stages of development seen within various art experiences (i.e. crayon, collage, paint, clay, and woodworking.)
Child Development	CHD	014	Describe the developmental stages of the child's creative expression as seen in various art media.
Child Development	CHD	014	Students will describe the role of the teacher and the environment in the development of children's creative and artistic development.

Child Development	CHD	014	Students will indentify the materials needed to support creative and artistic expression in the early childhood setting.
Child Development	CHD	015	Compare the purpose, value and use of formal and informal observation and assessment strategies.
Child Development	CHD	015	Demonstrate skills in the use of the various observational tools presented in class.
Child Development	CHD	015	Demonstrate understanding of typical and atypical development, curriculum development based on individual children's interests and make recommendations for supporting the child's development by summarizing their observations.
Child Development	CHD	015	Identify the role of partnerships with families and other professionals in utilizing interpretations of observational data to inform teaching practices.
Child Development	CHD	016	Accurately identify and explain biological and environmental factors that influence pre-conception and prenatal health and development.
Child Development	CHD	016	Analyze the multiple contextual influences on infant and toddler development including diverse family practices and environment.
Child Development	CHD	016	Apply concepts and theories in child development to the observation and evaluation of infant and toddler's growth and behaviors.
Child Development	CHD	017	Describe strategies used to promote health, safety and nutrition of children and adults in early childhood settings.
Child Development	CHD	017	Evaluate environments for both positive and negative impacts on children's and adults health and safety.
Child Development	CHD	017	Identify regulations, standards,policies and procedures related to health, safety and nutrition in support of young children, teachers and families.
Child Development	CHD	018	Conduct a needs assessment in a familiar school or child development center.
Child Development	CHD	018	Create a parent newsletter.
Child Development	CHD	018	Design a parent bulletin board.
Child Development	CHD	018	Visit schools in different areas and find out how they involve parents.
Child Development	CHD	020	Evaluate the role of history and society in shaping current policies related to best practices of inclusion in serving children with disabilities.
Child Development	CHD	020	Identify a variety of educational and community resources and services used by teachers and families of children with disabilities.
Child Development	CHD	020	Identify and describe several strategies for teachers who work with children with special needs for optimal development of the whole child.

Child Development	CHD	020	Recognize various disabilities and conditions of children, how they impact learning and development, and identify the best interventions for them based on the developmental continuum.
Child Development	CHD	021	Analyze children's play.
Child Development	CHD	021	Articulate the importance of play for the development of the child.
Child Development	CHD	021	Identify the importance of teacher's role in planning and supporting children's play.
Child Development	CHD	022	Students will apply a variety of supervision skills and behaviors relevant to the early childhood workplace.
Child Development	CHD	022	Students will effectively and accurately use the Environmental Rating Scale in a classroom setting.
Child Development	CHD	022	Students will use effective methods of communication with adults in the work place including staff and families.
Child Development	CHD	024	Students will apply appropriate guidance and prevention methods to specific situations relating to children's behaviors.
Child Development	CHD	024	Students will explain and formulate positive, guidance strategies that promote prosocial behaviors through intentional planning of developmentally appropriate curricular activities.
Child Development	CHD	024	Students will outline how to create and maintain positive and supportive relationships for children.
Child Development	CHD	024	The student will identify factors that influence children's behavior.
Child Development	CHD	025	Outline techniques for advocating for effective partnerships with families, interdisciplinary team members, and community resource specialist.
Child Development	CHD	025	Students will be able to design and implement curriculum and instructional strategies based on children's individualized needs in inclusive and natural environments.
Child Development	CHD	025	Students will be able to effectively analyze the individual needs of children and make appropriate accommodations and modifications to classroom activities.
Child Development	CHD	025	Students will be able to effectively identify teaching strategies used to support children with disabilities in inclusive and natural environments.
Child Development	CHD	026	Develop and describe the ongoing cycle of curriculum through observation, planning and implementation.
Child Development	CHD	026	Develop play-based curriculum that supports children's cognitive, language, creative, physical and social/emotional development.
Child Development	CHD	026	Evaluate the teachers' role in providing best practice in early childhood classrooms.
Child Development	CHD	026	Investigate and apply developmentally and culturally appropriate practices (DCAP) and teaching strategies.

Department	Subject	Number	Student Learning Outcome
Communication Studies	COM	001	Students will present speeches using an extemporaneous delivery style with appropriate vocal qualities, eye contact, posture, gesture, and movement.
Communication Studies	COM	001	Students will produce a complete speech outline applying principles of logical subordination, symbolic formatting, and distilled phrasing.
Communication Studies	COM	001H	Students will present speeches using an extemporaneous delivery style with appropriate vocal qualities, eye contact, posture, gesture, and movement.
Communication Studies	COM	001H	Students will produce a complete speech outline applying principles of logical subordination, symbolic formatting, and distilled phrasing.
Communication Studies	COM	004	Students will ,apply a variety of behavioral adaptation strategies in the context of interpersonal conflict management situations.
Communication Studies	COM	004	Students will use multiple strategies to ethically and appropriately engage in task, social-emotional and leadership functions of a problem-solving group.
Communication Studies	COM	004	Students will work cooperatively within a team to produce a cohesive oral presentation.
Communication Studies	COM	008	Employ assertive and socially ethical strategies to resolve interpersonal conflicts.
Communication Studies	COM	008	Students will use multiple listening strategies to respond appropriately to both content and emotional/relational levels of oral communication.
Communication Studies	COM	012	Students will be able to explain how cultural beliefs, values, perceptions and prejudices influence communication.
Communication Studies	COM	012	Students will be able to identify and critically evaluate ways in which intercultural differences affect the communication competence of themselves and others.
Communication Studies	COM	012	Students will be able to identify and distinguish between examples of ethnocentricity, stereotyping, prejudice, and racism.
Communication Studies	COM	012	Students will be able to identify ways that communication is a form of symbolic interaction that affects the outcomes of intercultural relationships.
Communication Studies	COM	012	Students will correctly identify the meanings of culture, intercultural communication competence, and distinguish among the different patterns of communication associated with different cultures.
Communication Studies	COM	019A	Forensics participants will be able to adapt a work of oral communication to diverse audiences in multiple contexts to meet the goals of the intended communication.

Communication Studies	COM	019A	Students will discover, evaluate, and ethically utilize relevant evidence to support claims.
Communication Studies	COM	019A	Students will effectively apply the rules and norms of academic debate.
Communication Studies	COM	020	Students will apply rules of reasoning and rhetorical analysis to evaluate the strength and validity of persuasive appeals.
Communication Studies	COM	020	Students will use appropriate rules of conduct to participate in a formal public debate.
Communication Studies	COM	020H	Students will apply rules of reasoning and rhetorical analysis to evaluate the strength and validity of persuasive appeals.
Communication Studies	COM	020H	Students will use appropriate rules of conduct to participate in a formal public debate.
Communication Studies	COM	025	Students will identify and explain how and why technological forces drive change in the media industries.
Communication Studies	COM	025	Students will identify how their perception of current events is influenced/shaped by mass media organizations and industries.

Department	Subject	Number	Student Learning Outcome
Community Health	CHL	010	Students will correctly identify and describe the services available in community health sites visited during the semester.
Community Health	CHL	010	Students will develop a presentation for a community health site in which they will correctly identify the components of a chronic disease and the health preventions steps required to prevent the occurrence of the disease.

Department	Subject	Number	Student Learning Outcome
Computer Applications	CAP	010A	Students will use the touch method to operate the keyboard.
Computer Applications	CAP	010C	Utilize advanced keyboarding techniques to improve speed and accuracy on the keyboard.
Computer Applications	CAP	013	Utilize touch-typing techniques on the numeric keypad.
Computer Applications	CAP	033A	Accurately format business documents in Microsoft Word.
Computer Applications	CAP	033A	Use basic word processing commands in Microsoft Word to create and edit documents.
Computer Applications	CAP	033B	Students will utilize advanced word processing commands.
Computer Applications	CAP	033B	Students will utilize the proper features of word processing to solve a business problem.
Computer Applications	CAP	045	Students will demonstrate the ability to add, assign and fine-tune resources in a project plan.

Computer Applications	CAP	045	Students will demonstrate the ability to create,link and fine-tune tasks within a project plan.
Computer Applications	CAP	045	Students will demonstrate the ability to utilize basic and advanced features of Project Management including what a project is, the Project Triangle, Scope Statements and Qualities of a Project Manager.
Computer Applications	CAP	045	Students will design and manage a project plan in Microsoft Project that will include linked tasks, resources, and a working calendar. They will be able to produce basic reports, print a Gantt chart and share project information with other software programs.
Computer Applications	CAP	045A	Students will be able to define and explain what the components of a project are and what project management is.
Computer Applications	CAP	045A	Students will demonstrate the ability to use the basic features of Microsoft Project.
Computer Applications	CAP	045A	Students will design a basic project plan in Microsoft Project that will include tasks, resources, and a working calendar.
Computer Applications	CAP	045B	Create and fine tune tasks and resources of a project plan developed in Microsoft Project.
Computer Applications	CAP	045B	Manage, track, and report the progress of a project plan.
Computer Applications	CAP	046D	Correctly edit business presentations created in Microsoft PowerPoint.
Computer Applications	CAP	046D	Correctly edit business presentations created in Microsoft PowerPoint.
Computer Applications	CAP	046D	Incorporate business charts and tables in PowerPoint presentations.
Computer Applications	CAP	046D	Incorporate business charts and tables in PowerPoint presentations.
Computer Applications	CAP	046E	Correctly use advanced features of PowerPoint.
Computer Applications	CAP	046E	Create a PowerPoint presentation that solves a particular problem in Business.
Computer Applications	CAP	047	Students will demonstrate the ability to develop and edit flowcharts and organization charts using Microsoft Visio.
Computer Applications	CAP	047	Students will demonstrate the ability to develop and edit network diagrams and floor layouts using Microsoft Visio.
Computer Applications	CAP	047	Students will use Microsoft Visio to create and enhance graphics and shapes.
Computer Applications	CAP	062B	Apply basic Excel formulas and functions to solve a business problem.
Computer Applications	CAP	062B	Create Excel charts to solve a business problem.
Computer Applications	CAP	063B	Apply "What IF" analysis tools, such as Goal Seek, Scenario Manager, Data Tables and/or Solver to solve business problems.
Computer Applications	CAP	063B	Apply advanced IF and LOOKUP functions in Excel to solve business problems.
Computer Applications	CAP	063B	Create tables, Pivot tables, and Charts to sort, filter, manipulate, view and calculate data.
Computer Applications	CAP	070	Students will create folders and subfolders to manage their files.

Computer Applications	CAP	070	Students will test the hard drive and defragment files on the hard drive using Windows utilities.
Computer Applications	CAP	071E	Use the Outlook calendar to set up appointments, meetings and events.
Computer Applications	CAP	071E	Using Outlook Contacts, create a contact group and then send email to this group.
Computer Applications	CAP	081B	Given a business problem, create a database in MS Access that will include related tables, a query, a form and one to two reports.
Computer Applications	CAP	081B	Using an existing MS Access database, create and run queries.
Computer Applications	CAP	088A	Students will demonstrate the ability to use Javascript to create interactive web pages.
Computer Applications	CAP	088A	Students will demonstrate the ability to use Javascript with ,Loops and conditional statements.
Computer Applications	CAP	088A	Students will demonstrate the ability to use Javascript with operators and expressions.
Computer Applications	CAP	088A	Students will demonstrate the ability to write JavaScript with objects (such as arrays, strings, date, time, and math).
Computer Applications	CAP	088A	Use a variety of debugging tools and techniques to correct common JavaScript coding errors.
Computer Applications	CAP	088B	Students will demonstrate the ability to use Javascript to create interactive web pages.
Computer Applications	CAP	088B	Students will demonstrate the ability to use Javascript with dynamic content, rollovers and slideshows, dynamic menus, sliders, and modal windows.
Computer Applications	CAP	088B	Students will demonstrate the ability to use Javascript with objects,events, and the document object model (DOM).
Computer Applications	CAP	088B	Students will demonstrate the ability to write Javascript to store data using cookies and Web storage
Computer Applications	CAP	088B	Students will demonstrate the ability to write perform advanced debugging of JavaScript.
Computer Applications	CAP	092A	Students will demonstrate how to set up a Facebook, Twitter account and utilize it to communicate and collaborate on the Web.
Computer Applications	CAP	092A	Students will set up a personal blog and maintain a reflection of concepts learned in the course.
Computer Applications	CAP	092A	Students will share multimedia utilizing video and photo-sharing websites.
Computer Applications	CAP	092B	Students will demonstrate how to collaboratively design and develop professional correspondence, memos, and presentations using Google Web applications.
Computer Applications	CAP	092B	Students will demonstrate the ability to accurately use and modify Google Web applications (e.g. Chrome, GMail, Talk, Docs, Spreadsheet, and Presenter) to create professional business documents.
Computer Applications	CAP	097A	Create links to navigate from one Web page to another in order to address an assigned scenario or problem.

Computer Applications	CAP	097A	Given a specific situation or business problem, apply the appropriate HTML commands to create a Web page to address the situation or problem.
-----------------------	-----	------	---

Department	Subject	Number	Student Learning Outcome
Computer Information Systems	CIS	007	Create GUI and graphics applications using Python libraries.
Computer Information Systems	CIS	007	Design and implement classes and objects in Python.
Computer Information Systems	CIS	007	Design and write Python programs using control structures and functions.
Computer Information Systems	CIS	008	Design and write programs that involve persistence and databases using pickled objects and SQL database interfaces
Computer Information Systems	CIS	008	Design and write programs that require text manipulation and file processing.
Computer Information Systems	CIS	008	Design, code and execute network programs and scripts using sockets, client-side programming using ftplib, email, http and other library tools
Computer Information Systems	CIS	008	Design, code and execute server side CGI scripts and design a server from scratch
Computer Information Systems	CIS	033	Create an interface peripherals hardware such as different types of sensors to microcontrollers used in robotics or drone applications.
Computer Information Systems	CIS	033	Create software applications for microcontrollers to communicate with peripherals such as LCD and keypad.
Computer Information Systems	CIS	033	Develop embedded hardware applications using a microcontroller.
Computer Information Systems	CIS	037A	Design and implement programs using control structure and functions.
Computer Information Systems	CIS	037A	Write programs using bitwise operators, C-string libraries, dynamic memory allocation, and linked-list data structures.
Computer Information Systems	CIS	037A	Write programs using pointers, arrays, structures and files.
Computer Information Systems	CIS	039	Design of basic gate-level digital logic such as ALU.
Computer Information Systems	CIS	039	Explain computer system architecture and processes of compiling and executing program code.

Computer Information Systems	CIS	039	Read, write and modify programs written in assembly language.
Computer Information Systems	CIS	040	Design and implement C++ classes using object oriented methodology.
Computer Information Systems	CIS	040	Design and write programs using functions.
Computer Information Systems	CIS	040	Write and execute C++ programs using control structures.
Computer Information Systems	CIS	043	Create GUI and graphics application programs using JAVA libraries.
Computer Information Systems	CIS	043	Design and implement JAVA classes using object oriented methodology.
Computer Information Systems	CIS	043	Students will demonstrate the ability to create subprograms and functions to handle user interaction.
Computer Information Systems	CIS	043	Write and execute JAVA programs using control structures and functions.
Computer Information Systems	CIS	044	Design, code and execute Java programs using different data structures, such as stacks, trees, queues and linked lists.
Computer Information Systems	CIS	044	Write programs using arrays, dynamic arrays and collection of objects.
Computer Information Systems	CIS	044	Write programs using searching, sorting and recursion algorithms.
Computer Information Systems	CIS	045	Correctly use basic and advanced utilities in Linux operating system such as grep, awk and sed.
Computer Information Systems	CIS	045	Correctly use basic commands in Linux operating system.
Computer Information Systems	CIS	045	Write Shell scripts using variables, expressions and control structure.
Computer Information Systems	CIS	046	Write Linux shell script to automate system tasks.
Computer Information Systems	CIS	046	Write shell scripts using variables, expressions and control structure.
Computer Information Systems	CIS	046	Write shell scripts with parameters, functions, sub-routines and files.

Computer Information Systems	CIS	047	Install and configure Linux system and services.
Computer Information Systems	CIS	047	Set up users and permissions.
Computer Information Systems	CIS	047	Use administration tools to manage Linux systems
Computer Information Systems	CIS	048	Configure and monitor system security and network activity.
Computer Information Systems	CIS	048	Configure file systems and sharing.
Computer Information Systems	CIS	048	Setup and configure application servers and connections.
Computer Information Systems	CIS	055	Design and create a database to solve business problems.
Computer Information Systems	CIS	055	Write SQL commands to insert, update and delete data in a database with criteria and conditions.
Computer Information Systems	CIS	055	Write SQL commands to retrieve data from the database with criteria and conditions.
Computer Information Systems	CIS	056	Create and use procedures and functions.
Computer Information Systems	CIS	056	Create PL/SQL blocks using programming structures and SQL.
Computer Information Systems	CIS	056	Develop database triggers.
Computer Information Systems	CIS	060	Describe the model-view-controller (MVC) pattern and design applications with multiple MVC views.
Computer Information Systems	CIS	060	Design and code iOS programs using Swift.
Computer Information Systems	CIS	060	Use "views" to build hierarchical navigation-based applications.
Computer Information Systems	CIS	063	Design and program Android apps using layouts, menus and widgets with event handling.
Computer Information Systems	CIS	063	Program Android apps using lists, grids and adapters.

Computer Information Systems	CIS	063	Use Android libraries such as media, animation, web viewer and data storage.
Computer Information Systems	CIS	064	Create apps that utilizes hardware features such as Telephony, SMS, Camera, and Geo-location.
Computer Information Systems	CIS	064	Create apps using advanced Android UI features, such as Action Bar, custom Views and Widgets.
Computer Information Systems	CIS	064	Use Broadcast Intent, Broadcast Rreceivers, Services and Content Providers in application development.
Computer Information Systems	CIS	082	Build web applications using Ruby on Rails.
Computer Information Systems	CIS	082	Create programs using Ruby programming language.
Computer Information Systems	CIS	082	Explain agile web development process.
Computer Information Systems	CIS	086	Create database driven web applications with PHP and MySQL.
Computer Information Systems	CIS	086	Create database tables and manipulate data using MySQL database.
Computer Information Systems	CIS	086	Develop applications using PHP programming language.
Computer Information Systems	CIS	088	Build a server-side web service and a client that obtains data from the web service.
Computer Information Systems	CIS	088	Build a single-page application using an MVC framework.
Computer Information Systems	CIS	088	Build a web program that uses the JavaScript event model.
Computer Information Technology	CIT	011	Assemble a desktop computer from compatible components and upgrade a computer system to meet user requirements.
Computer Information Technology	CIT	011	Explain basic networking concepts and technologies.
Computer Information Technology	CIT	011	Install, use, and configure an operating system.
Computer Information Technology	CIT	011	Perform basic preventive maintenance and troubleshoot issues on a computer.

Computer Information Technology	CIT	012	Analyze and explain how computers and other devices are addressed on a network.
Computer Information Technology	CIT	012	Compare the benefits and limitations of different networking media.
Computer Information Technology	CIT	012	Explain the function and interaction of the fundamental concepts in contemporary networking, such as TCP/IP, subnetting, virtual LANs, wireless transmission, and security.
Computer Information Technology	CIT	016	Create and implement security policies.
Computer Information Technology	CIT	016	Develop and apply defense-in-depth strategies in cyber-security architecture framework.
Computer Information Technology	CIT	016	Develop and implement cyber-security risk assessment procedures.
Computer Information Technology	CIT	021	Calculate and apply subnet masks and addresses to fulfill given requirements in IPv4 and IPv6 networks.
Computer Information Technology	CIT	021	Describe the role of protocol layers in data networks.
Computer Information Technology	CIT	021	Use Cisco command-line interface commands to perform basic router and switch configurations.
Computer Information Technology	CIT	022	Apply and Configure basic switching concepts and the operation of Cisco switches.
Computer Information Technology	CIT	022	Configure and troubleshoot basic operations of a small switched network and routers in a small routed network.
Computer Information Technology	CIT	022	Describe enhanced switching technologies such as VLANs, VLAN Trunking Protocol and Rapid Spanning Tree Protocol
Computer Information Technology	CIT	023	Configure and troubleshoot basic operations of routers in a complex routed network for IPV4 and IPV6.
Computer Information Technology	CIT	023	Configure and troubleshoot PVST+ and Rapid PVST+ in a switched LAN environment.
Computer Information Technology	CIT	023	Describe and configure link aggregation with Etherchannel technology.
Computer Information Technology	CIT	024	Configure and troubleshoot IPSec tunneling operations.
Computer Information Technology	CIT	024	Define different WAN technologies and their benefits.

Computer Information Technology	CIT	024	Describe the operations and benefits of virtual private networks (VPNs) and tunneling.
Computer Information Technology	CIT	024	Troubleshoot and configure serial and broadband connections.
Computer Information Technology	CIT	078	Describe and manage Active Directory structure, user accounts and security groups implementations.
Computer Information Technology	CIT	078	Describe requirements for file, folder and printer sharing.
Computer Information Technology	CIT	078	Design, install and configure a Microsoft Network operating system

Department	Subject	Number	Student Learning Outcome
Counseling	COU	000A	Students will distinguish between the various campus student services and support programs.
Counseling	COU	005	Students describe and apply specific methods to manage time more efficiently, clarify goals, and develop useful plans.
Counseling	COU	005	Students describe and apply specific methods to prepare for and take tests more successfully and with less stress.
Counseling	COU	007	Students will calculate their transfer Grade Point Average.
Counseling	COU	007	Students will identify major preparation courses required for their intended major at their intended transfer institution.
Counseling	COU	007H	Students will calculate their transfer Grade Point Average.
Counseling	COU	007H	Students will identify major preparation courses required for their intended major at their intended transfer institution.
Counseling	COU	012	Students will utilize career assessments to analyze 2 factors that influence career choice such as personality, skills, values and interests.
Counseling	COU	012	Students will utilize occupational resources to analyze occupational outlook.
Counseling	COU	012A	Students will utilize career assessments to analyze two factors that influence career choice, such as personality, skills, values, and/or interests.
Counseling	COU	012C	Students will be able to compare and contrast the various types of resume formats.
Counseling	COU	017	Students will be able to compose effective educational, career, and life goal statements in order to, promote successful values-based decision making.
Counseling	COU	017	Students will be able to identify and evaluate the major health, wellness, and academic issues facing transfer students which promote successful transitions in college and beyond.

Counseling	COU	023	STUDENT LEARNING OUTCOMES,Counseling 23 ÒBecoming A Master Student-AthleteÓ (2 Units),Mission College,Submitted by Ð Donnelle C. McGee,,SLO #1: ,Upon completion of this course 70% of students will have greater skills and resources to successfully balance the challenges of being a student-athlete.,,,SLO #2:,Upon completion of this course 70% of students will be able to manage their time more effectively, clarify goals, and develop useful educational/athletic plans for future success.
Counseling	COU	023	Upon completion of this course students will be able identify how they currently spend their time.
Counseling	COU	023	Upon completion of this course students will be able to articulate 3 academic/life skills needed to succeed in college as a student-athlete.
Counseling	COU	051A	Upon completion of this course students will identify a minimum of one obstacle that has prevented them from reaching their personal and academic goals.
Counseling	COU	051A	Upon completion of this course students will identify at least one conflict resolution technique.
Counseling	COU	055	Students will demonstrate their knowledge and ability to differentiate between basic cultural terminologies.
Counseling	COU	055	Students will research their own cultural background based upon the 12-Aspects of Culture and analyze how these aspects influence their personal attitudes, beliefs, values and biases.
Counseling	COU	145B	Students will be able to manage time more efficiently by developing a study schedule.

Department	Subject	Number	Student Learning Outcome
Economics	ECN	001A	Assess the impact of fiscal and monetary policies in a market-oriented economic system in the context of Classical and Keynesian economics.
Economics	ECN	001A	Evaluate the impact of fiscal and monetary policies on the macroeconomy.
Economics	ECN	001A	Evaluate the performance of a macroeconomy using economic indicators such as gross domestic product, unemployment and inflation rates in the context of long term economic growth and short term fluctuations.
Economics	ECN	001A	Explain how product prices, wages and interest rates are determined and changed.
Economics	ECN	001A	Identify the cause and effect of economic events observed in an economy.
Economics	ECN	001A	Identify the effects of short-term fluctuations in economic activities.
Economics	ECN	001AL	Evaluate the performance of an economy using macroeconomic indicators and use appropriate macroeconomic models to address economy-wide phenomena and explain policy solutions.

Economics	ECN	001B	Analyze the cost structure and consequent profit maximization of producers in various market structures.
Economics	ECN	001B	Analyze the cost structure of a producer.
Economics	ECN	001B	Apply demand and supply in analyzing price and quantity in different markets and explaining how prices and wages are determined and changed.
Economics	ECN	001B	Apply the model of supply and demand and the concept of elasticity to analyze the price and quantity decisions and outcomes in different markets.
Economics	ECN	001B	Apply the profit maximizing condition in making output decision.
Economics	ECN	001B	Articulate desirable outcome of competitive markets by explaining how competition leads to efficient use of resources.
Economics	ECN	001B	Distinguish markets that are price elastic and markets that are price inelastic and apply the concept of elasticity in making pricing decision.
Economics	ECN	001B	Explain and assess government policies in dealing with market failures.
Economics	ECN	001B	Explain desirable outcomes of a competitive market and assess government policies in dealing with market failures.
Economics	ECN	001BL	Apply the model of supply and demand and firm cost structures to analyze the efficiency of price and quantity outcomes in different market structures and conditions.
Economics	ECN	006	Students will be able to describe,how and why economic globalization has not benefited all nations equally.
Economics	ECN	006	Students will be able to describe,several effects of economic globalization.

Department	Subject	Number	Student Learning Outcome
Engineering	EGR	010	Students draft an abbreviated education plan for one engineering major showing an efficient transfer pathway to a 4-year engineering program.
Engineering	EGR	010	Students present technical information in a clear and accurate verbal and/or written format.
Engineering	EGR	010	Students will describe the differences between the major disciplines (including job prospects and salaries) within engineering and the industries that employ these engineers.
Engineering	EGR	010	Working in a team, students will design and construct a solution to a problem using the engineering design process and produce a report describing the engineering design process.
Engineering	EGR	010H	Students draft an abbreviated education plan for one engineering major showing an efficient transfer pathway to a 4-year engineering program.
Engineering	EGR	010H	Students present technical information in a clear and accurate verbal and/or written format.

Engineering	EGR	010H	Students will describe the differences between the major disciplines (including job prospects and salaries) within engineering and the industries that employ these engineers.
Engineering	EGR	010H	Working in a team, students will design and construct a solution to a problem using the engineering design process and produce a report describing the engineering design process.
Engineering	EGR	023	Calculate internal forces in members and create shear and bending moment diagrams for beams.
Engineering	EGR	023	Communicate in writing legible problem solutions for two- and three-dimensional static equilibrium force systems.
Engineering	EGR	023	Determine all forces acting on a loaded truss or machine.
Engineering	EGR	023	Determine the forces acting on a rigid body including external reactions, internal bending and shear forces, and friction.
Engineering	EGR	024	Analyze DC circuits to find current, voltage, resistance, and/or power.
Engineering	EGR	024	Draw and label circuit diagrams, list process steps, and show thorough mathematical solution.
Engineering	EGR	024	Evaluate a DC or AC circuit using techniques such as nodal analysis or mesh analysis and demonstrate knowledge of which methodology to apply to a given problem.
Engineering	EGR	024	Find the transient response for a first order or second order circuit involving a DC source(s).
Engineering	EGR	024	Solve AC Circuit using Phasors.
Engineering	EGR	024	Solve circuits containing two or more Operational Amplifiers.
Engineering	EGR	024L	Build, test, and analyze electric circuits by comparing measured data to theoretical results.
Engineering	EGR	024L	Proficient use of the most basic electrical test and measurement equipment including oscilloscopes, multimeters, function generators and power supplies.
Engineering	EGR	024L	Read circuit schematics and construct circuits on solderless breadboard using a range of parts, including capacitors, resistors, inductors, and/or Op Amps.
Engineering	EGR	024L	Use a circuit simulation program to analyze a circuit and predict circuit behavior under a variety of conditions.
Engineering	EGR	025	Construct two-dimensional and three-dimensional drawings of engineering designs using sketching, manual drafting, and computer-aided drafting approaches.
Engineering	EGR	025	Demonstrate design solutions by presenting team solutions using verbal and written communication techniques.
Engineering	EGR	025	Synthesize ideas from diverse disciplines to produce creative design solutions of engineering problems using the concepts of the parametric design process.

Engineering	EGR	026	Explain methods (intentional or unintentional) of altering the structure of materials by mechanical, chemical, or thermal means in order to change material properties.
Engineering	EGR	026	Explain the relationship between the internal structure of materials and their macroscopic properties.
Engineering	EGR	026	Gather data from reference sources regarding the properties, processing, and performance characteristics of materials, and use it to select appropriate materials to meet engineering design criteria.
Engineering	EGR	026	Illustrate the various systems for classifying materials, and compare differences in properties among material classes that derive from differences in structure.
Engineering	EGR	030	Build hardware circuits with both sensor and output devices and develop the software that controls the hardware.
Engineering	EGR	030	Create working programs to solve engineering problems using a design process involving pseudocode, algorithms, and other debugging techniques.
Engineering	EGR	030	Identify and describe the properties of a variable such as its address, data, scope, size, and persistence.
Engineering	EGR	030	Trace and debug computer programs using a high level language and debugging tool.

Department	Subject	Number	Student Learning Outcome
English	ENG	900	Proofread to improve sentence structure, cohesion, and clarity.
English	ENG	900	Successfully apply prewriting strategies to draft and revise a writing assignment.
English	ENG	905	Students will demonstrate in writing the ability to read a selection, identify its main ideas, analyze those ideas, and arrive at relevant conclusions.
English	ENG	905	Students will write an essay of 500-700 words that has a controlling idea, logical organization based on purpose, topic and audience, multiple levels of development, and correct sentence structure.
English	ENG	908	Students will write a research paper of at least 750 words demonstrating relevant content, logical organization, adequate development, sentence correctness, and MLA documentation of at least two sources.
English	ENG	908	Students will write in-class and out-of-class essays of at least 750 words demonstrating relevant content, logical organization, adequate development, and sentence structure.
English	ENG	001A	Analyze culturally diverse, college-level writing, including a full-length fiction or nonfiction text appropriate for college-level reading.
English	ENG	001A	Document sources according to current MLA guidelines.

English	ENG	001A	Write a college-level essay, including an argument and research essay, of at least 1,000 words that is focused, tailored to a particular audience and purpose, developed with relevant, well-organized support, and expressed in correct and varied sentences.
English	ENG	001B	Identify literary elements and analyze their use in specific literary works.
English	ENG	001B	Write an in-depth, college-level literary analysis of at least 1250 words.
English	ENG	001C	Evaluate logical reasoning and argument in assigned and researched texts.
English	ENG	001C	Write evidence-based essays demonstrating logical reasoning and argumentative skills.
English	ENG	005A	Students will compose a focused, well-organized, well-developed, well-researched essay of at least 1000 words that demonstrates a) an understanding of English literature from its Anglo Saxon beginning and b) the ability to synthesize some aspect of the literature and its relevant literary criticism into a cohesive analysis.
English	ENG	005B	1. Students will be able to demonstrate knowledge of major literary periods, themes, styles and genres typical of the period, and major authors and works representative of those periods.
English	ENG	006B	Compose a focused, well-organized, well-developed, well-researched essay of at least 1000 words that synthesizes at least one literary text and relevant literary criticism into a cohesive analysis.
English	ENG	006B	Critically evaluate world literature from the 17th century to the present in the context of the political, social, historical, and/or cultural backdrops against which the literature unfolds.
English	ENG	007A	Upon completion of English 007A, American Literature to 1865, students will compose a focused, well-organized, well-developed, well-researched essay of at least 1000 words that demonstrates an understanding of American literature up to 1865 and an ability to synthesize some aspect of the literature and its relevant literary criticism into a cohesive analysis.
English	ENG	007B	Upon completion of English 007B, American Literature 1865 to the Present, students will compose a focused, well-organized, well-developed, well-researched essay of at least one thousand words that demonstrates an understanding of American literature from 1865 to the present and an ability to synthesize some aspect of the literature and its relevant literary criticism into a cohesive analysis.
English	ENG	013	Compose a focused, well-organized, well-developed, well-researched essay of at least 1000 words that synthesizes at least one literary text and relevant literary criticism into a cohesive analysis.

English	ENG	013	Critically evaluate Chicana/o and Latina/o literature in the context of the political, social, historical, and/or cultural backdrops against which the literature unfolds.
English	ENG	015	Analyze the development of the history of film and the works of major film-makers as well as the evolution of the style of filmmaking and its content.
English	ENG	015	Write an essay of at least 1000 words that analyzes, discusses, or compares and/or contrasts the basic literary elements of film introducing theme, characterization, structure, setting, and symbolism using correct/current MLA documentation.
English	ENG	043	Compose a focused, well-organized, well-developed, well-researched essay of at least 1000 words that synthesizes at least one literary text and relevant literary criticism into a cohesive analysis.
English	ENG	043	Critically evaluate Greek and Roman mythology in the context of the political, social, historical, and/or cultural backdrops against which the literature unfolds.
English	ENG	048	Students will be able to synthesize literature and outside literary criticism into a cohesive argument/analysis.
English	ENG	048	Students will demonstrate an understanding of Shakespeare's plays and poems as well as an understanding of Elizabethan backgrounds and dramatic conventions.
English	ENG	070	Provide genre-specific feedback on fiction, nonfiction, drama, and/or poetry by student or published writers.
English	ENG	070	Write short works of original fiction, nonfiction, drama, and/or poetry utilizing conventions of each genre.
English	ENG	905AC	Students will write a research paper of at least 1000 words demonstrating relevant content, logical organization, adequate development, sentence correctness, and MLA documentation of at least two sources.
English	ENG	905AC	Students will write in-class and out-of-class essays of at least 750 words demonstrating relevant content, logical organization, adequate development and varied and accurate sentence structure.

Department	Subject	Number	Student Learning Outcome
English as a Second Language	ESL	980	Students will write a short research paper (approximately 750 words) that demonstrates a strong thesis statement and incorporates supporting evidence from three outside sources according to correct MLA format.
English as a Second Language	ESL	980	Students will write essays in the following three rhetorical patterns: compare/contrast, cause and effect, and persuasion. They will demonstrate control of the syntax, grammatical structures, vocabulary, and academic style necessary for advanced writers.

English as a Second Language	ESL	930EC	Comprehend level-appropriate reading passages and respond in writing to questions or prompts with appropriate and grammatically accurate, meaningful responses.
English as a Second Language	ESL	930EC	Listen to, respond, and speak effectively with adults and children through the use of level-appropriate English words, phrases, and sentences related to children and their care.
English as a Second Language	ESL	930GW	1. Write simple forms of the English sentence accurately.
English as a Second Language	ESL	930GW	Write a paragraph of 8 - 10 simple and compound sentences in which the correct word forms and word order are used.
English as a Second Language	ESL	930LC	Student will demonstrate comprehension of everyday English conversations that are tailored for high beginning learners.
English as a Second Language	ESL	930LC	Students will produce grammatically correct simple sentences in response to a prompt or question.
English as a Second Language	ESL	930LS	Demonstrate comprehension of simple listening passages in response to written and oral questions.
English as a Second Language	ESL	930LS	When speaking English, produce high-frequency words, phrases, and sentences in such a way as to be intelligible to a listener who is accustomed to interacting with non-native speakers.
English as a Second Language	ESL	930PL	Students will discriminate and identify the most common phonemes (consonants and vowels) in American English.
English as a Second Language	ESL	930PL	Students will produce words and phrases to demonstrate understanding of target sound patterns.
English as a Second Language	ESL	930RV	Students will demonstrate comprehension of level-appropriate reading passages by answering comprehension questions.
English as a Second Language	ESL	930RV	Students will develop high frequency vocabulary and comprehension of idiomatic English.
English as a Second Language	ESL	940EC	Comprehend level-appropriate reading passages about children at different stages and write grammatically accurate and meaningful responses.
English as a Second Language	ESL	940EC	Listen to, respond, and speak effectively with and about young children at different stages of development.
English as a Second Language	ESL	940GW	Students will demonstrate correct use of grammar and syntax in level-appropriate written language within a specific time frame (past, present, future)with 70% accuracy.
English as a Second Language	ESL	940GW	Students will produce simple written forms of 8-10 English sentences in the correct time frame on a given topic.

English as a Second Language	ESL	940LC	Students will demonstrate understanding of everyday English conversations that are tailored for the low intermediate learner.
English as a Second Language	ESL	940LC	Using grammar appropriate for the level, students will produce grammatically correct sentences in response to a prompt or question.
English as a Second Language	ESL	940LS	The student will participate and be sufficiently understood in role-playing and classroom discussions with emphasis on narrating and describing situations to develop oral communication skills including fluency, idea sequencing, accuracy, vocabulary, and pronunciation.
English as a Second Language	ESL	940LS	The student will respond adequately to questions, directions, and short lectures appropriate to the level.
English as a Second Language	ESL	940RV	Comprehend and analyze 940level texts.
English as a Second Language	ESL	940RV	Students will recognize the different parts of speech, synonyms, antonyms, affixes, and identify the correct dictionary meaning for words in their context.
English as a Second Language	ESL	950EC	Comprehend level-appropriate reading passages about children's development, and respond with thoughtful and grammatically accurate observations and reflections about children and their development.
English as a Second Language	ESL	950EC	Listen, respond, and speak effectively in order to introduce, objectively describe, and reflect on children, their actions, and their interests.
English as a Second Language	ESL	950G	Students will demonstrate grammatical accuracy in written English at an intermediate level.
English as a Second Language	ESL	950G	Students will revise and edit written English for grammatical accuracy at the 950 level.
English as a Second Language	ESL	950GW	Students will recognize and correct intermediate grammatical errors in written work.
English as a Second Language	ESL	950GW	Students will use grammatical structures while speaking.
English as a Second Language	ESL	950GW	Students will utilize correct adjective order, quantifiers, modifiers, intensifiers, modals, all 12 verb tenses, word forms, gerunds and infinitives, pronouns, clauses, phrases, and common phrasal verbs.
English as a Second Language	ESL	950GW	Students will write a variety of sentences (simple, compound, complex, compound-complex)sentences both singly and in short cohesive compositions.
English as a Second Language	ESL	950LS	Demonstrate comprehension of conversations and short listening passages on a variety of topics.

English as a Second Language	ESL	950LS	Participate appropriately and communicate effectively in various social and academic interactions.
English as a Second Language	ESL	950PL	The student will demonstrate awareness of the stress and intonation patterns of standard American English spoken by fluent speakers with some modification in the rate of speech and with a moderate amount of repetition.
English as a Second Language	ESL	950PL	The student will pronounce with moderate control words, phrases and sentences in guided monologs, dialogs, and free conversations with native speakers unaccustomed to listening to non-natives.
English as a Second Language	ESL	950RV	Students will read and comprehend the main ideas and details of level appropriate readings during in-class tests without using a dictionary.
English as a Second Language	ESL	950RV	Students will use parts of speech, synonyms, antonyms, and affixes to identify the correct meaning for new words in their context.
English as a Second Language	ESL	950RW	Students will produce compositions using a variety of sentence structures to include simple, compound and complex sentences.
English as a Second Language	ESL	950RW	Students will read, clarify and analyze the meaning of fiction or non-fiction texts.
English as a Second Language	ESL	960EC	Demonstrate comprehension of level-appropriate reading passages related to socio-emotional, motor, and cognitive development, and respond with thoughtful and grammatically accurate observations about children and their development.
English as a Second Language	ESL	960EC	Listen, respond, and speak effectively in order to objectively describe and thoughtfully reflect on a child and her socio-emotional, motor, and cognitive development.
English as a Second Language	ESL	960G	Identify and correct errors in targeted grammatical structures.
English as a Second Language	ESL	960G	Produce comprehensible simple, compound, and complex sentences singly and in paragraphs with a high level of grammatical accuracy and word choice.
English as a Second Language	ESL	960GW	Apply knowledge of grammar to analyze and understand English sentences at a high-intermediate level.
English as a Second Language	ESL	960GW	Produce comprehensible simple, compound, and complex sentences singly and in connected speech and paragraphs with a high level of grammatical accuracy and word choice.

English as a Second Language	ESL	960GW	Students will produce paragraphs of various rhetorical styles composed of a topic sentence, supporting sentences to include explanations, examples, facts and details about the topic, and a concluding statement which reiterates the topic and gives reader food for thought, with a variety of sentence structures to include simple, complex and compound sentence structure, with a high level of grammatical accuracy and word choice.
English as a Second Language	ESL	960LS	Make predictions, draw conclusions, and infer information from recorded listening passages on academic topics and social situations.
English as a Second Language	ESL	960LS	Students will give oral presentations and participate in small and large group discussions, or debates, utilizing targeted language functions, vocabulary and idiomatic expressions.,,SUGGESTED REVISION: successfully utilize targeted language functions, vocabulary and idiomatic expressions, in oral presentations and group discussions and debates.
English as a Second Language	ESL	960RV	Students will demonstrate comprehension of fiction and academic texts from a range of disciplines, analyzing the use of facts and examples to explain main ideas and make inferences.
English as a Second Language	ESL	960RV	Students will develop vocabulary by applying effective strategies to analyze and learn the meaning of new words in level-appropriate academic texts and authentic texts.
English as a Second Language	ESL	960RW	Students will demonstrate comprehension of fictional and academic texts from a range of disciplines, analyzing the use of facts and examples to explain main ideas and make inferences.
English as a Second Language	ESL	960RW	Students will develop vocabulary by applying effective strategies to analyze and learn the meaning of new words in level-appropriate academic texts and authentic texts.
English as a Second Language	ESL	960RW	Students will produce paragraphs of various rhetorical styles composed of a topic sentence, supporting sentences to include explanations, examples, facts and details about the topic, and a concluding statement which reiterates the topic and gives reader food for thought, with a variety of sentence structures to include simple, complex and compound sentence structure, with a high level of grammatical accuracy and word choice.
English as a Second Language	ESL	970AM	The student will accurately predict the pronunciation of unfamiliar vocabulary via instructor guidance and skills acquired in class.
English as a Second Language	ESL	970AM	The student will increase awareness of weaknesses in his or her pronunciation and accent, recognize them in speech, and modify them with guidance.
English as a Second Language	ESL	970AM	When communicating in social, academic, and workplace settings, the student will demonstrate increased speech clarity, control of volume and pitch, and confidence.

English as a Second Language	ESL	970G	1. Students will apply knowledge of grammar to analyze English sentences and paragraphs at an advanced level.
English as a Second Language	ESL	970G	2. Students will produce comprehensible simple, compound, complex, and compound/complex sentences in connected speech and paragraphs with a high level of accuracy
English as a Second Language	ESL	970GW	Produce multi-paragraph essays using thesis statement, introduction, body and conclusion with a variety of sentence structures and few grammar and word choice errors, which do not interfere with meaning.
English as a Second Language	ESL	970GW	Students will apply knowledge of grammar to analyze English sentences and paragraphs at an advanced level.
English as a Second Language	ESL	970LS	Demonstrate comprehension of academic lectures and other forms of recorded material (film and TV or song lyrics).
English as a Second Language	ESL	970LS	Make well-organized and comprehensible oral presentations to the class.
English as a Second Language	ESL	970LS	Participate effectively in group discussions.
English as a Second Language	ESL	970RV	Comprehend and analyze fiction and a variety of academic texts such as articles and essays.
English as a Second Language	ESL	970RV	Students will develop vocabulary by applying effective strategies to analyze and learn the meaning of new words in level-appropriate academic texts and authentic texts.

Department	Subject	Number	Student Learning Outcome
Fire Protection Technology	FPT	110	Apply emergency treatment principles and techniques.
Fire Protection Technology	FPT	110	Demonstrate appropriate critical thinking and skills in the assessment of illness and/or injury of a person involved in an emergency situation.
Fire Protection Technology	FPT	110	Demonstrate the ability to render quality patient care to OSHA and California Code of Regulation standards.
Fire Protection Technology	FPT	111	Compare the different types and applications of portable fire extinguishers for successful extinguishment of small fires.
Fire Protection Technology	FPT	111	Examine ropes and webbing, checking for fiber separation, unusual wear, abrasions and discolorations and record findings.

Fire Protection Technology	FPT	111	Identify the fire attack methods to combat fires as safely and efficiently as possible and a systematic approach to the firefighting operations to eliminate confusion and inconsistency on the fire ground.
Fire Protection Technology	FPT	111	Identify three principal environmental elements affecting the start and spread of a wildland fire.
Fire Protection Technology	FPT	111	Identify ways police, fire and local government relate directly and indirectly with organizations in their communities.
Fire Protection Technology	FPT	112	Students will be able to provide above ground support for cave, tunnel and mine rescues.
Fire Protection Technology	FPT	112	Students will be certified in CPR.
Fire Protection Technology	FPT	112	Students will examine coupling when a hoseline is washed and dried.
Fire Protection Technology	FPT	112	The student will confirm knowledge of the general safety precautions for all emergency situations.
Fire Protection Technology	FPT	112	The student will demonstrate fire service rescue knots by completing several types of knots during class exercises.
Fire Protection Technology	FPT	112	The student will identify and use the proper rope for hoisting, lowering, anchoring, rigging during role play exercises.
Fire Protection Technology	FPT	112	The student will identify functions of nozzles necessary to provide sufficient water to extinguish fires and describe the difference between fog nozzles and solid streams.
Fire Protection Technology	FPT	112	The student will list the limitations of personal protective equipment including how it can fail under fire conditions.
Fire Protection Technology	FPT	180	Using your knowledge of various anatomical structures and basic physiological changes when trauma or a medical emergency has occurred, apply appropriate treatment.
Fire Protection Technology	FPT	051	Describe the effects of fire on civilization, the environment and the major cause of fires in the United States.
Fire Protection Technology	FPT	051	List and describe the educational requirements, duties, and information sources for various position available in the fire protection field.
Fire Protection Technology	FPT	052	Student will describe the difference between matter and energy; the basic terminology and phenomena of chemistry as they relate to fire; and the basic laws of energy and mass.
Fire Protection Technology	FPT	052	Student will describe the three physical states of matter; the physical forces caused by fire can effect changes in the physical states of matter and compare the desirable and undesirable characteristics of extinguishing agents used in fire protection.

Fire Protection Technology	FPT	053	Student will identify the types, characteristics and capabilities of portable fire extinguishers.
Fire Protection Technology	FPT	053	Students will describe the different types of sprinkler systems, standpipe systems, and alarm systems.
Fire Protection Technology	FPT	054	Compare construction methods and materials affecting fire and fire spread.
Fire Protection Technology	FPT	054	Identify buildings by type of construction according to the Uniform Building Code.
Fire Protection Technology	FPT	055	Students will identify the responsibility, authority and process for fire prevention inspections and fire cause determination.
Fire Protection Technology	FPT	055	Students will utilize the Uniform Fire Code requirements and regulations when performing fire inspections.
Fire Protection Technology	FPT	056	Student will demonstrate the classifications and the safe handling of organic compounds, explosives, water-reactive, poisons and corrosive materials.
Fire Protection Technology	FPT	056	Student will describe the procedures involved when dealing with a fire or spill involving toxic materials, including analyzing the hazards associated with compressed gasses and completing an Incident Action Plan utilizing the information from a simulated incident.
Fire Protection Technology	FPT	057	Describe treatment protocols for life-threatening injuries, airway emergencies, and emergencies involving life-threatening bleeding.
Fire Protection Technology	FPT	057	Explain the steps in assessing multiple casualties, proper manual patient lifts and carries, and patient care and handling.
Fire Protection Technology	FPT	060	Demonstrate how topography and weather affect wildland fires, and demonstrate how tools and equipment are used to suppress and control wildland fires.
Fire Protection Technology	FPT	060	Demonstrate knowledge of fire line survival and safety equipment; fire line construction techniques; the use and maintenance of hand and power tools and the utilization of pumping equipment, fire apparatus and fixed and rotary aircraft.
Fire Protection Technology	FPT	060	Demonstrate knowledge of fire organizations, fire problems specific to California, and incident management systems.
Fire Protection Technology	FPT	061	Demonstrate salvage applications and operations.
Fire Protection Technology	FPT	061	Demonstrate the proper use of fire extinguishing equipment and hydrants.
Fire Protection Technology	FPT	061	Identify the types and use of fire service ladders and breathing apparatus.

Fire Protection Technology	FPT	065	Describe the care for a patient which will either improve, stabilize, or prevent deterioration of the condition.
Fire Protection Technology	FPT	065	Student will identify signs and symptoms which indicate disruption of normal bodily processes of an emergent nature.
Fire Protection Technology	FPT	065C	Appropriately utilize pre-hospital and emergency department equipment and procedures as needed for patient care in these situations.
Fire Protection Technology	FPT	065C	Provide appropriate care to patients in either the pre-hospital area or in the emergency department.
Fire Protection Technology	FPT	065L	Students will accurately demonstrate EMT-1 Skills proficiency according to established standards in Title 22 and NREMT.

Department	Subject	Number	Student Learning Outcome
Foreign Languages: Arabic	ARB	001	1) Students will be able to engage in simple conversations and exchange of information on a variety of everyday life topics using appropriate forms and basic grammatical structures in Modern Standard Arabic
Foreign Languages: Arabic	ARB	001	2) Students will be able to present rehearsed information orally or in writing about themselves, their surroundings and activities.
Foreign Languages: Arabic	ARB	001	3) Demonstrate the ability to read and interpret simple Arabic narratives.
Foreign Languages: Arabic	ARB	001	4) Identify and explain unique characteristics of Arabic-speaking peoples, countries, and cultures.
Foreign Languages: Arabic	ARB	002	1. Students will be able to engage in more complicated conversations and exchange of information on a variety of everyday life topics using appropriate forms and basic grammatical structures in Modern Standard Arabic
Foreign Languages: Arabic	ARB	002	2. Students present information orally and in writing about topics of their interest.
Foreign Languages: Arabic	ARB	002	3. Students will develop their analytical reading skills and identify main ideas in selected authentic materials.
Foreign Languages: Chinese	CHI	001	Students will effectively use vocabulary and sentence structures in basic daily-life communication.
Foreign Languages: Chinese	CHI	001	Students will identify different values, customs, philosophy, and the life styles of the various regions and communities of the Mandarin Chinese-speaking-world covered in this course.

Foreign Languages: Chinese	CHI	001	Students will identify the sounds and tones of Mandarin in Pinyin system
Foreign Languages: Chinese	CHI	002	Students will be able to differentiate more advanced tones and sounds of Mandarin Chinese.
Foreign Languages: Chinese	CHI	002	Students will be able to read and comprehend lengthy paragraphs and essays.
Foreign Languages: Chinese	CHI	002	Students will maintain longer and more complex conversations using formal and informal registers.
Foreign Languages: Chinese	CHI	002	Students will write an essay using correct vocabulary, grammatical structures, and Chinese characters covered throughout the course of the semester.
Foreign Languages: Chinese	CHI	050A	Students will correctly identify and pronounce basic sounds and expressions in Chinese.
Foreign Languages: Chinese	CHI	050A	Students will use basic Chinese expressions in situations common to daily life.
Foreign Languages: Chinese	CHI	050B	Students will successfully use Mandarin Chinese to communicate on everyday topics in social situations (e.g., studying Chinese, school life, writing letters and emails, shopping, transportation, etc.).
Foreign Languages: Chinese	CHI	050B	Students will successfully use Mandarin Chinese to perform basic tasks such as initiate a phone conversation, answer a phone call, or set up an appointment.
Foreign Languages: French	FRN	001	Apply general reading comprehension skills to simple passages in French.
Foreign Languages: French	FRN	001	Ask and answer questions on everyday topics such as family, daily activities, and personal preferences and needs.
Foreign Languages: French	FRN	001	Construct sentences using basic grammar and vocabulary in order to develop paragraphs and write simple compositions.
Foreign Languages: French	FRN	001	Explain the relationship between the practices, products and perspectives of francophone cultures.
Foreign Languages: French	FRN	001	Recognize and correctly respond to high-frequency, highly contextualized vocabulary and phrases including aural cognates and borrowed words.
Foreign Languages: French	FRN	001L	Students acquire a basic knowledge of grammatical structures covered in the lessons for French 1.
Foreign Languages: French	FRN	001L	Students acquire a basic knowledge of vocabulary covered in the lessons for French 1.

Foreign Languages: French	FRN	001L	Students acquire an elementary level of knowledge about basic cultural differences and similarities between U.S. mainstream culture and culture of target language.
Foreign Languages: French	FRN	002	Culture: Students identify the relationship between the practices, products and perspectives of francophone cultures.
Foreign Languages: French	FRN	002	Listening: Students identify key words, true aural cognates, and formulaic expressions that are highly contextualized and highly predictable within the range of the communicative situations covered in class.
Foreign Languages: French	FRN	002	Reading: Students apply general reading comprehension strategies to simple passages and authentic language materials (train schedules, road maps, street signs etc.) in French.
Foreign Languages: French	FRN	002	Speaking: Students ask and answer questions on everyday topics such as family, daily activities, and personal preferences and needs.
Foreign Languages: French	FRN	002	Writing: Students meet basic practical writing needs using lists, short messages, postcards, and simple notes.
Foreign Languages: French	FRN	002L	Students identify the basic cultural differences and similarities between U.S. mainstream culture and culture of target language.
Foreign Languages: French	FRN	002L	Students increase their vocabulary in areas that reflect the course content of French 2 through reading and work with software.
Foreign Languages: French	FRN	003	Ask and answer questions on daily topics such as self and family, daily activities and personal preferences.
Foreign Languages: French	FRN	003	Converse in simple, sentence-length speech on familiar or everyday topics.
Foreign Languages: French	FRN	003	Demonstrate understanding of familiar high-frequency vocabulary of personal and,less personal relevance and concrete and/or abstract surroundings. (Listening),Based on ACTFL (American Council for the Teaching of Foreign Languages) Proficiency Guidelines.
Foreign Languages: French	FRN	003	Demonstrate understanding of the relationship between the practices, products and perspectives of francophone cultures (Culture),Based on ACTFL National Standards for Foreign Language Education.
Foreign Languages: French	FRN	003	Demonstrate understanding of written language, vocabulary of familiar and less,familiar topics formulated in complex sentences, and temporal differences,expressed in these sentences. (Reading),Based on ACTFL (American Council for the Teaching of Foreign Languages) Proficiency Guidelines.
Foreign Languages: French	FRN	003	Explain the relationship between the practices, products and perspectives of francophone cultures, using French vocabulary and grammar at a low-intermediate level.

Foreign Languages: French	FRN	003	Upon successful completion of this course, students will: Ask and answer questions, initiate and respond to simple statements, maintain face-to-face conversations, participate in simple discussions on topics beyond the most immediate needs, e.g., personal history and leisure time activities. Although misunderstandings still arise, the speaker can be generally understood by native interlocutors. (Speaking), Based on ACTFL (American Council for the Teaching of Foreign Languages) Proficiency Guidelines.
Foreign Languages: French	FRN	003	Write grammatically correct statements and questions based on learned vocabulary and sentence structures.
Foreign Languages: French	FRN	003	Write letters, texts, and analyses on various topics of familiar and less familiar interests, use complex sentences and series of phrases to describe, explain, and draw inferences in various but familiar situations. (Writing), Based on ACTFL (American Council for the Teaching of Foreign Languages) Proficiency Guidelines.
Foreign Languages: French	FRN	004	Analyze the main points of (a) standard discourse, of familiar and less familiar topics and (b) authentic cultural material (TV programs, videos, movies, songs) delivered at near-native speed.
Foreign Languages: French	FRN	004	Compose clear, well-structured informative and persuasive essays on topics related to Francophone life, literature, politics, history, and culture.
Foreign Languages: French	FRN	004	Describe and analyze, with sensitivity and appreciation, the relationship between language, culture and world view as well as the similarities and differences between specific cultural practices and perspectives.
Foreign Languages: French	FRN	004	Explain the connection between the main ideas and information from complex factual and literary texts, and (a) other literary texts featuring similar themes, (b) personal experience and background knowledge, and (c) social and historical context.
Foreign Languages: French	FRN	004	Initiate, sustain, and close a general conversation with a number of strategies appropriate to a range of circumstances and topics.
Foreign Languages: Japanese	JPN	001	Culture: Students will analyze and compare social protocols and contributions of Japanese culture with those of their own culture(s).
Foreign Languages: Japanese	JPN	001	Listening and Speaking: Upon successful completion of this course, students will identify utterances related to basic Japanese language structures and frequently used vocabulary, evaluate short listening questions, and respond to articulated messages.
Foreign Languages: Japanese	JPN	001	Reading: Students will interpret short, simple texts written in the syllable-based Japanese characters and Chinese characters on familiar topics, relying on contextual clues.
Foreign Languages: Japanese	JPN	001	Writing: Students will write non-complex text using correct fundamental grammar and ninety-two Japanese syllable-based characters and their variations.

Foreign Languages: Japanese	JPN	002	Listening & Speaking: Demonstrate understanding of familiar spoken word, most frequently used vocabulary, basic phrases related to immediate personal relevance (self, family, daily life) and immediate concrete surroundings when the enunciation of the speaker is slow and clear. (Listening) Based on ACTFL (American Council for the Teaching of Foreign Languages) Proficiency Guidelines.
Foreign Languages: Japanese	JPN	002	Listening & Speaking: Upon successful completion of this course, students will: Produce communicative exchanges by relying on learned vocabulary and expressions by occasionally expanding these through simple re-combinations of their speaking elements.
Foreign Languages: Japanese	JPN	002	Outcome: Derive meaning from simple texts on familiar topics, relying on contextual clues to extract main ideas and supporting details written in Japanese.
Foreign Languages: Japanese	JPN	002	Writing: Demonstrate a consistent working command of essential vocabulary and grammar structures necessary to request others and provide ideas in writing in a combination of (1) syllabic-based Japanese characters and (2) Chinese characters with complex abstract range of information relating to highly frequent situations in familiar contexts.
Foreign Languages: Spanish	SPA	001	Identify and explain unique characteristics of Latino/Hispanic people, their countries, and cultures.
Foreign Languages: Spanish	SPA	001	Students will apply grammatical principles in oral presentations.
Foreign Languages: Spanish	SPA	001	Students will be able to conjugate 100 verbs in the present indicative tense.
Foreign Languages: Spanish	SPA	001L	extended vocabulary through reading and work with software.
Foreign Languages: Spanish	SPA	001L	gained confidence in own ability to communicate orally in target language.
Foreign Languages: Spanish	SPA	001L	Students will have: established a sound knowledge of and ability to express the basic cultural differences and similarities between U.S. mainstream culture and culture of target language.
Foreign Languages: Spanish	SPA	002	Demonstrate understanding of familiar spoken word, highest frequency vocabulary, basic phrases related to immediate personal relevance (self, family, shopping) and immediate concrete surroundings when the enunciation of the speaker is slow and clear. (Listening) Based on ACTFL (American Council for the Teaching of Foreign Languages) Proficiency Guidelines.

Foreign Languages: Spanish	SPA	002	Demonstrate understanding of written familiar names, high-frequency vocabulary and simple sentences, for example on notices, posters, timetables, advertisements, or in catalogues and menus. (Reading) Based om ACTFL (American Council for the Teaching of Foreign Languages) Proficiency Guidelines.
Foreign Languages: Spanish	SPA	002	Produce communicative exchanges by relying on learned vocabulary and expressions by occasionally expanding these through simple recombinations of their elements (Speaking) Based om ACTFL (American Council for the Teaching of Foreign Languages) Proficiency Guidelines.
Foreign Languages: Spanish	SPA	002	Write short notes, simply connected texts on familiar topics or topics of personal interest. Write personal letters describing familiar and/or daily experiences, tripsÉ (Writing) Based om ACTFL (American Council for the Teaching of Foreign Languages)
Foreign Languages: Spanish	SPA	002L	Outcome:.,Students will be able to properly identify and use relevant vocabulary in context. ,,Students will be able to properly conjugate regular, irregular and reflexive verbs in the preterit and imperfect tenses.
Foreign Languages: Spanish	SPA	003	Be understood by a native speaker of Spanish not accustomed to dealing with speakers,at this level. (Speaking)
Foreign Languages: Spanish	SPA	003	Identify different accents and certain habits and customs from the Spanish-speaking,world. (Listening)
Foreign Languages: Spanish	SPA	003	Initiate and sustain uncomplicated and mostly error-free communicative tasks and social,situations with a number of strategies appropriate to a range of circumstances and topics.,(Writing and speaking)
Foreign Languages: Spanish	SPA	004	Analyze authentic factual and literary texts and make connections between these and (a) other literary texts featuring similar themes, (b) personal experience and background knowledge, and (c) social and historical contexts.
Foreign Languages: Spanish	SPA	004	Compose clear, well-structured informative and persuasive essays on topics related to Hispanic life, literature, politics, history, and culture.
Foreign Languages: Spanish	SPA	004	Demonstrate comprehension of the main points of (a) standard discourse, even when the topic is not familiar and (b) authentic cultural material (TV programs, videos, movies, audiotapes) delivered at near-native speed.
Foreign Languages: Spanish	SPA	004	Describe and analyze, with sensitivity and appreciation, the relationship between language, culture and world view as well as the similarities and differences between specific cultural practices and perspectives.

Foreign Languages: Spanish	SPA	004	Initiate and sustain interpersonal conversations with native speakers and express opinions on current events and daily life as well as on topics related to Hispanic life, literature, politics, history, and culture.
Foreign Languages: Spanish	SPA	050A	Recognize and use basic Spanish grammar and common expressions.
Foreign Languages: Spanish	SPA	050A	Students will be able to identify the Spanish sound-letter connections.
Foreign Languages: Spanish	SPA	050A	Students will engage in an oral interview with the instructor with accurate grammatical and vocabulary structures.
Foreign Languages: Spanish	SPA	050B	Have simple conversations with others in Spanish.
Foreign Languages: Spanish	SPA	050B	Recognize and effectively use the Spanish sound system.
Foreign Languages: Spanish	SPA	050B	Recognize and use basic Spanish grammar and common expressions.
Foreign Languages: Spanish	SPA	050B	Respond appropriately to questions in Spanish.
Foreign Languages: Vietnamese	VIE	001	Comprehend and interpret simple narratives.
Foreign Languages: Vietnamese	VIE	001	Express themselves orally in basic Vietnamese by demonstrating communicative command of daily life expressions in all tenses.,,REVISION: Correctly use all tenses in oral communication in basic Vietnamese.
Foreign Languages: Vietnamese	VIE	001	Identify and explain unique characteristics of Vietnamese people, their country, cultures and the Vietnamese language.
Foreign Languages: Vietnamese	VIE	001	Write simple Vietnamese text using correct vocabularies , fundamental grammar and tonal marks.
Foreign Languages: Vietnamese	VIE	002	Comprehend and interpret short dialogues, narratives on daily life situations introduced in the textbook and supplementary material, such as phone conversations, daily schedules, likes and dislikes, buying and selling, seasons and weather, and choice of transportation.
Foreign Languages: Vietnamese	VIE	002	Comprehend simple reading texts on personal and social matters, such as short letters, diaries, stories, advertisements, weather reports. Use basic reading strategies to identify categories, main ideas, organization, and specific details.

Foreign Languages: Vietnamese	VIE	002	Employ basic sentence structures and appropriate vocabulary to produce coherent short letters, greeting cards, advertisements, diaries, and narratives on selected daily life topics and social events studied in class
Foreign Languages: Vietnamese	VIE	002	Speaking: Conduct oral communications on everyday topics such as family, dates and time, hobbies, making appointments, school life, shopping, weather, and transportation. Produce accurate pronunciation and intonation.,,REVISION: Employ accurate pronunciation and intonation in oral communication on everyday topics such as family, dates and time, hobbies, making appointments, school life, shopping, weather, and transportation.
Foreign Languages: Vietnamese	VIE	049A	Identify and correctly use of Sino-Vietnamese in oral and written forms.
Foreign Languages: Vietnamese	VIE	049A	Recognize prominent Vietnamese and Vietnamese-American literary, artistic, social, and political figures.
Foreign Languages: Vietnamese	VIE	049A	Students will comprehend and identify various aspects of Vietnamese language and culture.
Foreign Languages: Vietnamese	VIE	049B	1. Identify in oral and in written form, literary concepts related to the analysis of a poem: verses, rhyme, stanzas, intonation, recitation, theme, and rhetorical devices.
Foreign Languages: Vietnamese	VIE	049B	3. Demonstrate knowledge of literary Sino-Vietnamese words and proper use of writing conventions: accentuation, spelling and punctuation.
Foreign Languages: Vietnamese	VIE	049B	Demonstrate comprehension of a Vietnamese classical poem and its historical context.
Foreign Languages: Vietnamese	VIE	049B	Recognize, compare, and debate the importance of prominent literary, artistic, social, and political figures of the Vietnamese culture both in Vietnam and abroad.

Department	Subject	Number	Student Learning Outcome
Geography	GEO	001	Analyze the major physical features of the earth and the inter-relationship of weather and climate, soil and vegetation patterns, landforms, as they are related to human activities.
Geography	GEO	001	Identify the major physical features of the earth, and the inter-relationship of weather and climate, soil and vegetation patterns, and landforms, as they are related to human activities.
Geography	GEO	002	Students will have the ability to analyze people's relationship to the land and the impact of human explorations and activities on the general environment and on the surface of the earth.
Geography	GEO	002	Students will identify major systems of human technologies and cultural practices as developed in particular regions of the earth through time by human populations.

Geography	GEO	006	Articulate the differences as well as the the increasing interdependencies and influences among and between regions of the world.
Geography	GEO	006	Define and apply the themes of geography to locations on the surface of the Earth.
Geography	GEO	006	Identify the challenges and future prospects for each realm and region of the world.

Department	Subject	Number	Student Learning Outcome
Global Studies	GLB	001	Students will explain the causes,behind major conflicts in regards,to worldviews.
Global Studies	GLB	001	Students will identify the major,world systems affecting individual worldviews.
Global Studies	GLB	002	Students will be able to articulate how issues affecting the global community are interrelated.
Global Studies	GLB	002	Students will be able to identify and analyze the causes and solutions of at least one major global issue.
Global Studies	GLB	002	Students will identify and describe the major complex issues facing mankind currently.
Global Studies	GLB	004	Students will be able to describe the major problems confronting developing nations today.
Global Studies	GLB	004	Students will be able to describe,the major differences between the developed and the developing world.

Department	Subject	Number	Student Learning Outcome
Graphic Design and Multimedia	GDS	011	Analyze, compare and contrast, and trace the evolution of modern design with respect to subject matter, symbolism, style and influences on designers from the industrial revolution throughout the 20th century.
Graphic Design and Multimedia	GDS	011	Create and deliver a presentation on the interconnectedness of design and technology, and the cultural, historical, economical, political and technological contexts that shaped them and their work.
Graphic Design and Multimedia	GDS	011	Identify and explain political, economic and social influences leading to advances in modern design as a reaction to change.
Graphic Design and Multimedia	GDS	012	Define the terminology of photography as it pertains to style, form, visual elements, principles of design, and technical processes.
Graphic Design and Multimedia	GDS	012	Evaluate the emotional, symbolic, formal and/or narrative content of photographic images.
Graphic Design and Multimedia	GDS	012	Explain key technical and aesthetic developments in the history of photography.
Graphic Design and Multimedia	GDS	015	Analyze photography as trajectory for social change in an historical and social context.

Graphic Design and Multimedia	GDS	015	Create social media campaigns for social change that utilize effective visual communication skills.
Graphic Design and Multimedia	GDS	015	Evaluate photography's role in shaping our perceptions about human rights, race, class, gender, sexuality and social change.
Graphic Design and Multimedia	GDS	035	Students will be able to create typographic designs using fundamental principles of Graphic Design.
Graphic Design and Multimedia	GDS	035	Students will be able to design page layouts (combining type and imagery) using fundamental principles of Graphic Design.
Graphic Design and Multimedia	GDS	039A	Demonstrate critical writing and thinking skills to analyze and evaluate the development of an animated story and storyboards for their 3D character.
Graphic Design and Multimedia	GDS	039A	Design a focused well developed control rig for the 3D character through analysis, synthesis, and evaluation for effective control of character movement.
Graphic Design and Multimedia	GDS	039A	Students will analyze the basic geometric forms of a character to an appropriate model form to best permit the inclusion of a control rig for realistic deformation for animation.
Graphic Design and Multimedia	GDS	041	Students will be able to design and prototype a mobile game, then create all the assets needed to create the game.
Graphic Design and Multimedia	GDS	041	Students will be able to publish a completed game to various mobile marketplaces and services.
Graphic Design and Multimedia	GDS	041	Students will be able to start with a prototype and develop a fully functioning game using third party development tools.
Graphic Design and Multimedia	GDS	043A	Students will be able to analyze and evaluate polygonal modeling so as to design and build quad polygon faces, with well-developed edges and points at joint positions.
Graphic Design and Multimedia	GDS	043A	Students will be able to analyze, evaluate and apply the basic animation principles of using walk cycle diagrams and layering body mechanics to result in realistic body weight and follow-through animation for student characters.
Graphic Design and Multimedia	GDS	043A	Students will be able to demonstrate proper modeling to scale and proportion for anatomical joint placement in character design for bipeds and quadrupeds.
Graphic Design and Multimedia	GDS	045	Create web sites using HTML, CSS and various software packages.
Graphic Design and Multimedia	GDS	045	Identify, discuss and apply design principles such as typography, color and layout to the creation of web sites.
Graphic Design and Multimedia	GDS	046	Students will be able to create well-designed websites using HTML, CSS, JavaScript, and Dreamweaver.

Graphic Design and Multimedia	GDS	046	Students will understand technical concepts and best practices used in web design and development at an intermediate level.
Graphic Design and Multimedia	GDS	047	Students will be able to create an animated gif.
Graphic Design and Multimedia	GDS	047	Students will be able to create an animation in Adobe Flash.
Graphic Design and Multimedia	GDS	049	Students will be able to create dynamic websites using Dreamweaver and content management systems.
Graphic Design and Multimedia	GDS	049	Students will be able to determine the best content management system to use for a given web development project.
Graphic Design and Multimedia	GDS	049	Students will be able to install and set up content management systems like WordPress Joomla, and Drupal.
Graphic Design and Multimedia	GDS	049	Students will be able to use PHP (WordPress template tags and hooks) to create and customize child themes in WordPress.
Graphic Design and Multimedia	GDS	051	Students will be able to create native mobile apps written in web standards and packaged using 3rd party frameworks other than the native SDKs.
Graphic Design and Multimedia	GDS	051	Students will be able to create websites for mobile delivery using techniques like responsive design and/or frameworks such as jquery mobile.
Graphic Design and Multimedia	GDS	051	Students will be able to design and prototype a mobile app design.
Graphic Design and Multimedia	GDS	055A	Produce design solutions that showcase conceptual and production capabilities through the creation of brand awareness and the development of a complete corporate identity package.
Graphic Design and Multimedia	GDS	055A	Students will critically examine the designer's role within the structure of the graphic design/advertising industry, and apply this understanding to performing the role of a designer in the workplace.
Graphic Design and Multimedia	GDS	055A	Students will have the ability to assist actual clients by identifying communication needs, creating verbal presentations, and producing appropriate design solutions for specific clients.
Graphic Design and Multimedia	GDS	055A	Students will identify the essential elements that create different approaches to a design, and apply them to the layout and production of communication materials and media.
Graphic Design and Multimedia	GDS	056	Students will be able to effectively apply verbal and graphic communication skills necessary to build and deliver a digital media presentation.

Graphic Design and Multimedia	GDS	056	Students will be able to identify, discuss and apply design principles such as typography, color and layout to the creation and evaluation of presentations and the necessary assets.
Graphic Design and Multimedia	GDS	056	Students will be able to research, plan and strategize in preparation for the development of a presentation.
Graphic Design and Multimedia	GDS	060	Student will be able to create brochures, posters and other marketing materials that will incorporate and apply the principles of typography and layout.
Graphic Design and Multimedia	GDS	060	Students will be able to use the appropriate software packages to create documents for printing.
Graphic Design and Multimedia	GDS	062	Students will describe and utilize the various output methods available through Illustrator while constructing their projects to various specifications, and outputting images that are suitable for both print and web.
Graphic Design and Multimedia	GDS	062	Students will effectively utilize the typographic tools for basic type setting while incorporating type with other graphical elements.
Graphic Design and Multimedia	GDS	062	Students will identify and apply the fundamentals of vector art manipulation and creation. Students create and edit artwork by creating and transforming shapes and appearance attributes.
Graphic Design and Multimedia	GDS	062	Students will utilize the Pen Tool, individual anchor points, and bezier handles, and manipulate artwork on a point-by-point level.
Graphic Design and Multimedia	GDS	063	Students will apply the fundamental principals and considerations of page layout design. Students will properly set up a document to correct trim, bleed, margins, page count, and folds.
Graphic Design and Multimedia	GDS	063	Students will effectively combine text and images into a single layout and manage all related art assets for final output.
Graphic Design and Multimedia	GDS	063	Students will identify various image formats and its features and limitations. They will use appropriate image types in page layout at the correct size, resolution, and color space.
Graphic Design and Multimedia	GDS	063	Students will utilize typographic tools and typesetting features in InDesign. They will effectively use type with appropriate consideration to font, style, size, location, and formatting in regards to legibility of text.
Graphic Design and Multimedia	GDS	064	Create photographic montages using Adobe Photoshop.
Graphic Design and Multimedia	GDS	064	Create typographic illustrations using both the vector and raster tools in Adobe Photoshop.

Graphic Design and Multimedia	GDS	066	Students will create artwork that is conducive to modifications and edits. Students will be able to change the color scheme, filters, and other appearance attributes to produce different versions of their illustration.
Graphic Design and Multimedia	GDS	066	Students will create original illustrations using a combination of Illustrator's creative tools, including various free-form drawing tools.
Graphic Design and Multimedia	GDS	066	Students will develop a library of images consisting of custom brushes, symbols, swatches, and patterns. Students will be able to leverage the usage of these assets to add complexity and richness to their illustrations.
Graphic Design and Multimedia	GDS	067	Student will propose, research, develop and produce a long form project of their choosing that is suitable for publication.
Graphic Design and Multimedia	GDS	067	Students will create rich media documents in a variety of digital formats that include interactive PDF, epub, or DPS (Digital Publishing Suite), depending on the project.
Graphic Design and Multimedia	GDS	067	Students will work with a commercial printer (either local or online) to produce the physical piece, and have it printed on press (either offset or digital).
Graphic Design and Multimedia	GDS	068	Create photographic composites using Adobe Photoshop.
Graphic Design and Multimedia	GDS	068	Create technical product illustrations using both the vector and raster tools in Adobe Photoshop.
Graphic Design and Multimedia	GDS	070	Students will be able to develop interfaces for various device types by following standard User Experience Design principles and techniques.
Graphic Design and Multimedia	GDS	070	Students will be able to generate documents related to User Experience Design such as wireframes and personas.
Graphic Design and Multimedia	GDS	070	Students will be able to identify, discuss and apply the basic principles of information architecture.
Graphic Design and Multimedia	GDS	073	Students will be able to create images while applying relevant photographic and design principles such as lighting and composition.
Graphic Design and Multimedia	GDS	073	Students will be able to create photographic works utilizing digital photography equipment and techniques in an intentional and creative manner.
Graphic Design and Multimedia	GDS	073	Students will be able to critically evaluate photographic images according to the principles of photographic and aesthetic theory.
Graphic Design and Multimedia	GDS	074	Students will be able to apply the basic principles of composition while using a video camera to produce video content.
Graphic Design and Multimedia	GDS	074	Students will be able to edit video and audio using an NLE (non linear editor) to create a coherent video message.

Graphic Design and Multimedia	GDS	080	Student will create product packaging designs.
Graphic Design and Multimedia	GDS	080	Students will critically evaluate the structural design, material selection and effective design solutions for packaging.
Graphic Design and Multimedia	GDS	081	Students will be able to create effective motion graphic design presentations.
Graphic Design and Multimedia	GDS	081	Students will be able to identify, discuss and apply the basic principles and terminology of typography as it applies to ,motion graphics.
Graphic Design and Multimedia	GDS	081	Students will develop expertise in the use of appropriate software packages.
Graphic Design and Multimedia	GDS	082	Analyze and evaluate rough ideas for a game proposal.
Graphic Design and Multimedia	GDS	082	Create an expanded game design document that adheres to standards of level design and describes the game interface.
Graphic Design and Multimedia	GDS	082	Formulate the gameplay specification.
Graphic Design and Multimedia	GDS	085	Students will be able to design a complete self-promotional package including logos, business cards, letter heads, brochures and resumes.
Graphic Design and Multimedia	GDS	085	Students will be able to develop and present a portfolio of work that promotes their skills and abilities.
Graphic Design and Multimedia	GDS	088A	Students will demonstrate the ability to use Javascript to create interactive web pages.
Graphic Design and Multimedia	GDS	088A	Students will demonstrate the ability to use Javascript with ,arrays, Loops and conditional statements.
Graphic Design and Multimedia	GDS	088A	Students will demonstrate the ability to use Javascript with operators and expressions.
Graphic Design and Multimedia	GDS	088A	Students will demonstrate the ability to write JavaScript with objects (such as arrays, strings, date, time, and math).
Graphic Design and Multimedia	GDS	088A	Use a variety of debugging tools and techniques to correct common JavaScript coding errors.
Graphic Design and Multimedia	GDS	088B	Students will demonstrate the ability to use Javascript to create interactive web pages.
Graphic Design and Multimedia	GDS	088B	Students will demonstrate the ability to use Javascript with dynamic content, rollovers and slideshows, dynamic menus, sliders, and modal windows.

Graphic Design and Multimedia	GDS	088B	Students will demonstrate the ability to use Javascript with objects,events, and the document object model (DOM).
Graphic Design and Multimedia	GDS	088B	Students will demonstrate the ability to write Javascript to store data using cookies and Web storage
Graphic Design and Multimedia	GDS	088B	Students will demonstrate the ability to write perform advanced debugging of JavaScript.
Graphic Design and Multimedia	GDS	089	Perform advanced debugging of JavaScript.
Graphic Design and Multimedia	GDS	089	Use Javascript to create interactive and dynamic content, rollovers, slideshows, dynamic menus, sliders, and modal windows.
Graphic Design and Multimedia	GDS	089	Use Javascript to create interactive web pages and applications.

Department	Subject	Number	Student Learning Outcome
Health Education	HED	002	1. Upon completion of course, students will describe concepts of healthy lifestyles, wellness and holistic health.
Health Education	HED	002	2. Upon completion of course, students will be able to identify factors which promote health and well-being.
Health Education	HED	002	Upon course completion, students will self-describe the integration of wellness concepts into their own behavior.
Health Education	HED	004	1. Upon completion of this course, students will demonstrate and describe how to give cardio-pulmonary resuscitation and use an automated external defibrillator for an adult in cardiac arrest.
Health Education	HED	004	2. Upon completion of this course, students will be able to demonstrate how to recognize and care for injuries to muscle, bone, and joint injuries, including injuries to the head, neck and back.

Department	Subject	Number	Student Learning Outcome
Health Occupations	HOC	905	Students will accurately calculate dosage calculations problems using one of the formulas presented in class.
Health Occupations	HOC	905	Students will correctly identify and describe the various units of measurements using the proper form and abbreviation.

Health Occupations	HOC	001	Students will compare and analyze the differences in all body systems, normal body functions, and various disease states.
Health Occupations	HOC	001	Students will identify, define and interpret word elements and demonstrate the ability to spell, pronounce, and understand the meaning of medical terminology.
Health Occupations	HOC	002	Upon completion of this course, students will be able to perform cardiopulmonary resuscitation on an adult, child, or infant model.
Health Occupations	HOC	002	Upon completion of this course, students will be able to perform the roles of ventilator and compressor in a CPR simulation utilizing a team approach.
Health Occupations	HOC	003	Upon completion of this course, the student will develop comprehensive plans for disaster preparedness.
Health Occupations	HOC	003	Upon completion of this course,,students will describe and analyze risks and mitigation activities of the major types of emergency in one's own community.
Health Occupations	HOC	004	Demonstrate and describe how to give cardio-pulmonary resuscitation and use an automated external defibrillator for an adult in cardiac arrest.
Health Occupations	HOC	004	Demonstrate how to recognize and care for injuries to muscle, bone, and joint injuries, including injuries to the head, neck and back.
Health Occupations	HOC	008	Correctly identify the risk factors for a chronic disease and the steps required for prevention.
Health Occupations	HOC	008	Identify services that promote health offered by various community health agencies.
Health Occupations	HOC	011	Demonstrate cardio-pulmonary resuscitation as a team member performing as both a ventilator and as a compressor, including changing positions during resuscitation.
Health Occupations	HOC	011	Demonstrate cardiopulmonary resuscitation on an adult, child, or infant.
Health Occupations	HOC	019A	Students will identify concepts of basic patient-focused, culturally appropriate health care of residents in long-term care nursing facility that reflect the current practices and that meet the California Department of Public Health (CDPH) requirements for the State Certification Exam.
Health Occupations	HOC	019A	The student will demonstrate the principles and nursing assistant skills needed to provide basic, safe, quality health care to residents in residential and long-term care facilities that promote independence and dignity.
Health Occupations	HOC	019B	Demonstrate the acquisition and integration of theoretical concepts and skills basic to the delivery of safe, quality patient care in a residential or long-term care facility.
Health Occupations	HOC	019B	Will actively guide own learning process by establishing weekly academic and clinical performance goals and performing self-evaluations of knowledge, attitudes and skills that were applied while delivering safe, competent patient care during clinical experience.

Health Occupations	HOC	019F	Demonstrate the supportive personal care skills, body mechanics, safety and emergency procedures, and methods to improvise and adapt these procedures in the home situation.
Health Occupations	HOC	019F	Describe common reactions to illness/disability and its effect on the individual and family, including techniques to support adjustment and demonstrate accurate documentation.
Health Occupations	HOC	019F	Describe the roles and responsibility of the Home Health Aide as a member of the healthcare team compared to the Certified Nursing Assistant.
Health Occupations	HOC	019G	Demonstrate clear communication skills with client, family, team members and community agencies.
Health Occupations	HOC	019G	Demonstrate responsibility and ability to adapt basic nursing skills to each unique client in the skilled nursing faculty and/or home.
Health Occupations	HOC	019G	Demonstrate responsibility and dress professionally with required school uniform and ID badge at all times.
Health Occupations	HOC	020	Identify and describe a minimum of four (4) college services and the means to obtain these services that are available to assist in successfully completing or realizing academic and career goals.
Health Occupations	HOC	020	Identify and describe the requirements, study skills and basic skill requirements for successful completion of the VN or PT career track.
Health Occupations	HOC	022	1. Define and describe patient-focused, culturally appropriate, and evidence-based theoretical concepts associated with: 1) the performance of basic skills; 2) use of the nursing process and 3) application of critical thinking to assess and evaluate the patient responses.
Health Occupations	HOC	022	Apply foundational theoretical principles to support learning of health care concepts utilized in the program courses.
Health Occupations	HOC	023A	Apply theoretical concepts of diseases and disorders of musculoskeletal, neurological, neurosensory and reproductive systems in care planning, case study/scenario, and/or nursing intervention activities.
Health Occupations	HOC	023A	Correlate deviations from normal anatomy, physiology, and diagnostic findings with diseases and disorders of musculoskeletal, neurological, neurosensory and reproductive systems.
Health Occupations	HOC	023B	Correctly identify and describe the steps of the nursing process and communication techniques utilized to address and prioritize therapeutically effective assessment and safety issues for a client with mental health disorders or developmental disabilities.

Health Occupations	HOC	023B	Integrate beginning level concepts of behavioral, cognitive, developmental and communication theories within each phase of the nursing process to plan safe, effective health care for clients diagnosed with cognitive mental health disorders across the lifespan.
Health Occupations	HOC	023C	Correctly identify and describe beginning components of thorough behavioral and functional assessments and principles of therapeutic behavioral modification/response training used for a client with a specific developmental disorder or disability.
Health Occupations	HOC	023C	Integrate beginning level principles of cognitive and behavioral theory and nursing considerations essential to safe, effective healthcare of clients diagnosed with intellectual and developmental disabilities.
Health Occupations	HOC	024	Apply beginning level pharmacokinetic knowledge, principles, and nursing considerations essential to the safe administration and effectiveness of pharmacological interventions used in the treatment of musculoskeletal, reproductive, neurological, neurosensory, mental health and developmental diseases and disorders.
Health Occupations	HOC	025A	Beginning level vocational nursing students will demonstrate safe and accurate calculations for medication administration.
Health Occupations	HOC	025A	Demonstrate and apply knowledge, attitudes and skills while planning and delivering competent patient care during simulated clinical experience.
Health Occupations	HOC	025A	Safely and effectively demonstrate theoretical concepts and skills basic to the professional practice of vocational nursing in the delivery of patient care.
Health Occupations	HOC	025B	Demonstrate and apply knowledge, attitudes and skills while planning and delivering competent patient care during simulated clinical experience.
Health Occupations	HOC	025B	Demonstrate safe and accurate calculation for medication administration.
Health Occupations	HOC	025B	Safely and effectively demonstrate theoretical concepts and skills basic to the professional practice of psychiatric technology in the delivery of patient care.
Health Occupations	HOC	026A	The beginning vocational nursing student will actively guide own learning process by establishing weekly academic and clinical performance goals and performing self-evaluations of knowledge, attitudes and skills that were applied while planning and delivering safe, competent patient care during clinical experience.
Health Occupations	HOC	026A	The beginning vocational nursing student will be able to demonstrate the acquisition and integration of theoretical concepts and skills basic to the practice of nursing in the planning and delivery of safe, quality patient care in a variety of healthcare settings.
Health Occupations	HOC	026B	Demonstrate the ability to apply beginning knowledge, attitudes and skills while planning and delivering competent patient care during clinical experience.

Health Occupations	HOC	026B	Safely and effectively demonstrate the acquisition and integration of theoretical concepts and skills basic to the practice of nursing in the delivery of healthcare to patients with medical, surgical, mental health and developmental disorders in a variety of healthcare settings.
Health Occupations	HOC	027	Describe and analyze objective and subjective data for the purpose of identifying real and potential physical, psychosocial, cognitive, developmental, cultural, and spiritual health concerns or readiness for personal or developmental growth; establishing desired outcomes; planning specific nursing interventions that facilitate achievement of expressed goals; and to evaluate clients' response or progress toward attaining those goals/outcomes.
Health Occupations	HOC	027	Identify and practice communication skills that enhance a therapeutic nurse-patient relationship by providing a milieu of safety, respect, confidence and trust in which the client more readily discloses his/her deepest concerns and willingly participates and complies with health care planning.
Health Occupations	HOC	027	Practice communication techniques that promote increased interdisciplinary collaboration in assessing for and identifying health needs and planning, implementing and evaluating health care interventions.
Health Occupations	HOC	028	Compare and contrast the terms 'legal' and 'ethical,' define the guiding principles of a restraint-free environment, describe four potential areas of elder abuse, and describe how to recognize the signs of elder abuse and the causes of elder abuse.
Health Occupations	HOC	028	Describe specific age-related physiological changes according to body systems.
Health Occupations	HOC	028	Describe the role of the LVN as environmental manager, identify at least four (4) settings in which nursing care of older adults is provided, and discuss the benefits and/or disadvantages of options available in elderly living arrangements.
Health Occupations	HOC	032	Apply the intermediate level of nursing theory to the development of patient-focused and evidence-based health care practice for obstetrical and neonatal clients in a manner that is culturally and developmentally appropriate.
Health Occupations	HOC	032	Identify and describe: 1) necessary obstetrical and neonatal knowledge, 2) the use of the nursing process, and 3) communication skills essential to addressing health needs of the obstetrical patient (during the stages of pregnancy, labor and postpartum), and of the neonatal patient (in the neonatal period of life).
Health Occupations	HOC	033A	Describe abnormalities related to anatomical, physiological, and diagnostic findings and correlate them with diseases and disorders of cardiac, vascular, respiratory and urinary systems.

Health Occupations	HOC	033B	Develop and evaluate a health education plan for a variety of clients with cardiac, vascular, respiratory or urinary disorders based on identified needs.
Health Occupations	HOC	033B	Develop and evaluate individualized care plans for clients with cardiac, vascular, respiratory or urinary disorders.
Health Occupations	HOC	033C	The student will correctly identify and describe the steps of the nursing process and communication techniques utilized to assess, diagnose, plan, evaluate and document normal and abnormal health status, implement safe, therapeutic interventions and evaluate and document the outcomes and care for a client with mental health disorders.
Health Occupations	HOC	033C	The student will integrate concepts of behavioral, cognitive, developmental and communication theories within each phase of nursing process to plan safe, effective health care at the intermediate level for clients diagnosed with cognitive mental health disorders across the lifespan.
Health Occupations	HOC	033D	The student will accurately describe the principles of an applied behavioral analysis of maladaptive behaviors that affect quality of life in school and work environments for the purpose of planning response training for clients with intellectual or developmental disabilities.
Health Occupations	HOC	033D	The student will integrate concepts of behavioral, cognitive, developmental and communication theories within each phase of nursing process to plan safe, effective health care at the intermediate level for clients diagnosed with intellectual, developmental and mental health disabilities across the lifespan.
Health Occupations	HOC	034	Correctly apply intermediate level of pharmacokinetic knowledge, principles, and nursing considerations to the safe administration of drugs used in the treatment of cardiac, respiratory, vascular, urinary, mental health and developmental diseases and disorders.
Health Occupations	HOC	035A	Calculate medication dosage for safe and accurate administration.
Health Occupations	HOC	035A	Plan and deliver safe and competent patient care applying vocational nursing theoretical concepts.
Health Occupations	HOC	035B	Calculate for accurate medication dosage administration.
Health Occupations	HOC	035B	Plan and deliver safe and competent patient care applying psychiatric technician theoretical concepts.
Health Occupations	HOC	036A	Apply intermediate theoretical concepts and skills basic to professional practice of vocational nursing while providing individualized, safe, research-based healthcare that address the needs of clients in a variety of healthcare settings.
Health Occupations	HOC	036A	Perform a self-critique of clinical performance and planning for delivery of safe, competent patient care during each clinical experience.

Health Occupations	HOC	036B	Apply theoretical concepts and skills basic at the intermediate level to professional practice of a psychiatric technician while providing individualized, safe, research-based healthcare that address the needs of clients in a variety of healthcare settings.
Health Occupations	HOC	036B	Engage in self-critique of clinical performance and planning for delivery of safe, competent patient care during each clinical experience.
Health Occupations	HOC	042	Describe and apply advanced level of nursing theory related to providing patient-focused and evidence-based health care to children and their family members/caregivers that is culturally and developmentally appropriate.
Health Occupations	HOC	042	Identify and describe: 1) the concepts of pediatric nursing theory, 2) the use of the nursing process, and 3) the communication skills essential to addressing health needs of children and their family members/caregivers during infancy through adolescence.
Health Occupations	HOC	043A	Correlate deviations from normal anatomy, physiology, and diagnostic findings with diseases and disorders of gastrointestinal, integumentary, endocrine, and hematological systems.
Health Occupations	HOC	043A	Design a plan for effective client-centered nursing care via use of the nursing process and research-based best practices.
Health Occupations	HOC	043B	Discuss and analyze advanced-level use of the nursing theory, nursing process, and communication skills essential to addressing safety, client-centered care, and evidence-based practice in group activities and projects related to clients with gastrointestinal, integumentary, endocrine, and hematological disorders.
Health Occupations	HOC	043C	Correctly identify, describe, plan and analyze the steps of the nursing process and communication techniques utilized to assess, diagnose, plan, evaluate and document normal and abnormal health status, implement safe, therapeutic interventions and evaluate and document the outcomes and care for a client with mental health disorders.
Health Occupations	HOC	043C	Integrate advanced-level cognitive disabilities and mental health theoretical principles and nursing considerations essential to the safe effective care of clients diagnosed with cognitive mental health disorders across the lifespan.
Health Occupations	HOC	043D	Accurately identify, analyze, and evaluate principles of behavioral modification/response training for elimination of maladaptive behaviors that affect quality of life for the purpose of health promotional teaching of clients with intellectual, developmental and mental health disabilities.

Health Occupations	HOC	043D	Integrate concepts of behavioral, cognitive, developmental and communication theories within each phase of the nursing process in order to plan safe, effective health care at the advanced level for clients diagnosed with intellectual, developmental and mental health disabilities across the lifespan.
Health Occupations	HOC	044	Apply advanced level pharmacokinetic knowledge, principles and nursing considerations essential to the safe administration and monitoring of drugs used in the treatment of gastrointestinal, hematological, integumentary, endocrine, mental health and developmental diseases and disorders in adults and for various diseases and disorders in pediatric patients.
Health Occupations	HOC	045A	Demonstrate safe and accurate calculations for medication administration at the advanced level.
Health Occupations	HOC	045A	Provide advanced patient-centered healthcare through integration of Health Occupation Department's twelve critical elements and QSEN competencies (knowledge, skills and attitudes) to a variety of patients and their families presented in simulated clinical scenarios.
Health Occupations	HOC	045B	Demonstrate safe and accurate calculation for medication administration.
Health Occupations	HOC	045B	Provide advanced patient-centered healthcare through integration of Health Occupation Department's twelve critical elements and QSEN competencies (knowledge, skills and attitudes) to a variety of patients and their families during simulated clinical scenarios.
Health Occupations	HOC	046A	Demonstrate the acquisition and integration of theoretical concepts and skills basic to the practice of nursing in the planning and delivery of safe, quality healthcare to clients with medical-surgical conditions, and to pediatric patients with a variety of health disorders in a variety of healthcare settings.
Health Occupations	HOC	046A	Establish weekly academic and clinical performance goals and perform self-evaluation of knowledge, attitudes and skills which are applied while planning and delivering safe, competent patient care during clinical experience.
Health Occupations	HOC	046B	Demonstrate the ability to apply knowledge, attitudes, and skills while planning and delivering competent patient care during clinical experience.
Health Occupations	HOC	046B	Demonstrate the acquisition and integration of theoretical knowledge while providing health care to clients with various mental health disorders.
Health Occupations	HOC	047	Define the major BVNPT components of the California law as related to the VN or PT licensure requirements and scope of practice, and the importance of understanding the effects of current issues and trends on clinical practice.

Health Occupations	HOC	047	Identify the characteristics of professional behavior, compare and contrast the roles of leadership and management, and define the responsibilities of delegation for the licensed vocational nurse or psychiatric technician.
Health Occupations	HOC	050	Students will evaluate changes in nursing process as it relates to assessment, planning of nursing interventions, and education of a diverse group of clients in the Registered Nursing role.
Health Occupations	HOC	050	The student will explain the role of a Registered Nurse as it applies to professionalism, legal and ethical aspects, leadership, and/or clinical decision making.
Health Occupations	HOC	050A	Students will accurately calculate medication dosages.
Health Occupations	HOC	050A	The student will demonstrate competencies of the nursing profession by applying theoretical concepts, advanced assessment skills and prior learning.
Health Occupations	HOC	051	Upon completion of this course students will be able to apply psychiatric mental health nursing principles and approaches in the assessment of mental health clients.
Health Occupations	HOC	051	Upon completion of this required course students will be able to apply nursing knowledge related to the treatment of mental health clients.
Health Occupations	HOC	052	Upon completion of this course students will be able to apply nursing knowledge related to the care of a diverse group of medical-surgical clients.
Health Occupations	HOC	052	Upon completion of this course the student will acquire and apply nursing knowledge and pathophysiology to the care of clients with diverse illnesses and outcomes.
Health Occupations	HOC	053	Upon completion of this course the student will be able to apply nursing knowledge using critical thinking skills.
Health Occupations	HOC	053	Upon completion of this required nursing course students will be able to calculate for safe and accurate medication dosage administration.
Health Occupations	HOC	054	Upon completion of this course students will be able to apply QSEN competencies to nursing practice.
Health Occupations	HOC	054	Upon completion of this course students will be able to apply safe nursing knowledge and skills using appropriate prioritization with a variety of clients.
Health Occupations	HOC	060	Upon completion of this course students will be able to apply nursing knowledge, including normal/abnormal growth and development, to the pediatric client and families.
Health Occupations	HOC	060	Upon completion of this course the student will be able to apply knowledge related to maternal child nursing.
Health Occupations	HOC	060	Upon completion of this course the student will be able to apply knowledge related to pediatric nursing.

Health Occupations	HOC	061	Upon completion of this course the advance student will be able to apply advanced nursing knowledge related to medical-surgical clients.
Health Occupations	HOC	061	Upon completion of this course the student will be able to apply advanced nursing knowledge to a variety of medical-surgical clients.
Health Occupations	HOC	062	Upon completion of this course students will apply nursing knowledge and theory related to leadership and management.
Health Occupations	HOC	062	Upon completion of this course students will be able to integrate nursing leadership theories into the care of clients.
Health Occupations	HOC	064	Upon completion of this course students will be able to apply nursing skills and knowledge in the care of complex clients and families.
Health Occupations	HOC	064	Upon completion of this course the advance student will be able to apply advanced nursing knowledge related to medical-surgical clients.
Health Occupations	HOC	064	Upon completion of this required nursing course students will be able to calculate for safe and accurate medication dosage administration.

Department	Subject	Number	Student Learning Outcome
History	HIS	004A	Students will demonstrate the ability to interpret primary and secondary sources and to compose an argument, which uses them, as appropriate, for support.
History	HIS	004A	Students will identify major ancient and medieval civilizations in the West from prehistoric times to 1600, including the Renaissance.
History	HIS	004A	Students will produce an analysis of the major political, economic, social, cultural and intellectual movements that molded the Western way of life from prehistoric times to 1600, including the Renaissance.
History	HIS	004AH	Students will demonstrate the ability to interpret primary and secondary sources and to compose an argument, which uses them, as appropriate, for support.
History	HIS	004AH	Students will identify major ancient and medieval civilizations in the West from prehistoric times to 1600, including the Renaissance using primary and secondary sources, to demonstrate a proficient knowledge of key movements.
History	HIS	004AH	Students will produce an analysis of the major political, economic, social, cultural and intellectual movements that molded the Western way of life from prehistoric times to 1600, including the Renaissance.
History	HIS	004B	Students will be able to identify, interpret, critically evaluate and make arguments about ancient and medieval civilizations in the West from 1600 CE through the present time, by using primary source documents.

History	HIS	004B	Students will be able to produce an analysis and evaluation of the developments of Western history from 1600 CE through the present time.
History	HIS	004BH	Students will be able to identify, interpret, critically evaluate and make arguments about ancient and medieval civilizations in the West from 1600 CE through the present time, by using primary source documents.
History	HIS	004BH	Students will be able to produce an analysis and evaluation of the developments of Western history from 1600 CE through the present time, using primary and secondary sources, to demonstrate a proficient knowledge of key movements.
History	HIS	015	Students will be able to identify, interpret, critically evaluate and make arguments about ancient and medieval civilizations from the earliest events in World history to 1500 CE, by using primary source documents.
History	HIS	015	Students will be able to produce an analysis and evaluation of the developments of earliest World history through 1500 CE.
History	HIS	015H	Students will be able to identify, interpret, critically evaluate and make arguments about ancient and medieval civilizations from the earliest events in World history to 1500 CE, by using primary source documents.
History	HIS	015H	Students will be able to produce an analysis and evaluation of the developments of earliest World history to 1500 CE using primary and secondary sources, to demonstrate a proficient knowledge of key movements.
History	HIS	016	Students will be able to identify, interpret, critically evaluate and make arguments about civilizations in the World from 1500 CE through the present time, by using primary source documents.
History	HIS	016	Students will be able to produce an analysis and evaluation of the developments of World history from 1500 CE to the present.
History	HIS	016H	Students will be able to identify, interpret, critically evaluate and make arguments about civilizations in the World from 1500 CE through the present time, by using primary source documents.
History	HIS	016H	Students will be able to produce an analysis and evaluation of the developments of World history from 1500 CE to the present using primary and secondary sources, to demonstrate a proficient knowledge of key movements.
History	HIS	017A	Students will be able to interpret primary and secondary sources and to compose an argument, which uses them, as appropriate, for support.
History	HIS	017A	Students will have the ability to analyze the major historical events, figures and issues in American history from the colonial period to 1877.

History	HIS	017A	Students will identify the major historical events, important figures and issues in American history from the colonial period to 1877.
History	HIS	017AH	Students will have the ability to analyze the major historical events, figures and issues in American history from the colonial period to 1877.
History	HIS	017AH	Students will identify the major historical events, important figures and issues in American history from the colonial period to 1877.
History	HIS	017B	Students will be able to identify, critically evaluate and interpret American history from 1877 to the present by using primary source documents.
History	HIS	017B	Students will be able to produce an analysis and evaluation of the developments of American history from 1877 to the present.
History	HIS	017BH	Students will be able to identify, critically evaluate and interpret American history from 1877 to the present, by using primary source documents.
History	HIS	017BH	Students will be able to produce an analysis and evaluation of the developments of American history from 1877 to the present, including demonstrating a proficient knowledge of key movements.
History	HIS	020	Students will be able to identify, critically evaluate and interpret California history from the Spanish Colonial Period to the present by using primary source documents.
History	HIS	020	Students will be able to produce an analysis and evaluation of the developments of California history from the Spanish Colonial Period to the present.
History	HIS	031	Students will be able to identify, interpret, critically evaluate and make arguments about the earliest East Asian history to the present, by using primary source documents.
History	HIS	031	Students will be able to produce an analysis and evaluation of the developments of earliest East Asian history through the present.
History	HIS	033	Students will be able to assess the patterns of change and continuity for women in American history through a critical analysis of the achievements, contributions, and distinctive roles played by women from diverse regional, ethnic, economic, and social backgrounds.
History	HIS	033	Students will be able to interpret primary and secondary sources and to use critical thinking skills, to make multicultural assessments and interpretations of historical problems with women's American history.
History	HIS	033	Students will identify the major historical issues, events, movements and important figures in Women's History in the United States from the colonial period to the modern era.
History	HIS	033H	PROPOSED: Use primary sources to analyze and explain historical trends that have shaped women's history in America.

History	HIS	033H	Students will be able to assess the patterns of change and continuity for women in American history through a critical analysis of the achievements, contributions, and distinctive roles played by women from diverse regional, ethnic, economic, and social backgrounds.
History	HIS	033H	Students will be able to interpret primary and secondary sources and to use critical thinking skills, to make multicultural assessments and interpretations of historical problems with women's American history.
History	HIS	033H	Students will identify the major historical issues, events, movements and important figures in Women's History in the United States from the colonial period to the modern era.

Department	Subject	Number	Student Learning Outcome
Hospitality Management	HMT	075	Students compare and contrast the following cleaning methods: sanitation, disinfection, and sterilization.
Hospitality Management	HMT	075	Students develop a staffing guide for room attendants.
Hospitality Management	HMT	075	Students identify and explain basic housekeeping functions and their application in achieving a high level of guest satisfaction.
Hospitality Management	HMT	076	Students calculate the following performance indices: Average Daily Rate, Occupancy, and Revenue Per Available Room, in order to interpret financial performance data.
Hospitality Management	HMT	076	Students design, implement, and evaluate the stages of team effectiveness.
Hospitality Management	HMT	076	Students identify and explain basic front office functions and their applications in achieving a high level of guest satisfaction.
Hospitality Management: Food and Institutional Foods	INF	050	Students completing the class will be able to distinguish between the 2 major types of food borne pathogens, infections and intoxications.
Hospitality Management: Food and Institutional Foods	INF	050	Students will demonstrate knowledge of the importance of personal hygiene in safe food handling.
Hospitality Management: Food and Institutional Foods	INF	050	Students will take the ServSafe certification examination from the National Restaurant Association Education Foundation, and earn the certificate.

Hospitality Management: Food and Restaurant Management	FDR	105	Apply generally accepted food preparation standards and practices to the production of menu items prepared.
Hospitality Management: Food and Restaurant Management	FDR	105	Demonstrate a client based approach to planning and organizing catered events.
Hospitality Management: Food and Restaurant Management	FDR	050A	Explain the key elements required in delivering superior service.
Hospitality Management: Food and Restaurant Management	FDR	050A	Identify the various components of each segment of the hospitality industry and explain how they relate to one another.
Hospitality Management: Food and Restaurant Management	FDR	050A	Students compose a résumé and cover letter using standard business format.
Hospitality Management: Food and Restaurant Management	FDR	051	Apply common best practices of the commercial kitchen, including personal appearance, teamwork, professional conduct and common production techniques.
Hospitality Management: Food and Restaurant Management	FDR	051	Explain and apply common food preparation terminology, theories and principles.
Hospitality Management: Food and Restaurant Management	FDR	051	Increase proficiency in hands-on food pre-preparation and production, utilizing common industry food handling and presentation principles and practices.

Hospitality Management: Food and Restaurant Management	FDR	051S	Students will increase speed and knowledge of food production.
Hospitality Management: Food and Restaurant Management	FDR	052	Create menu-driven, timeline-based job descriptions which serve as the basis for directing and managing production efforts of student workers.
Hospitality Management: Food and Restaurant Management	FDR	052	Demonstrate culinary/food service techniques during daily production and service.
Hospitality Management: Food and Restaurant Management	FDR	052	Develop, expand, and calculate portion cost for a menu suitable for cafeteria style service.
Hospitality Management: Food and Restaurant Management	FDR	052	Students will plan for and lead workers in anticipating and meeting guests expectations.
Hospitality Management: Food and Restaurant Management	FDR	052S	Effectively break down and evaluate success of event.
Hospitality Management: Food and Restaurant Management	FDR	052S	Execute a banquet and/or catering order to the satisfaction of the client.
Hospitality Management: Food and Restaurant Management	FDR	052S	Follow an event preparation list and complete pre-preparation and pre-service activities.

Hospitality Management: Food and Restaurant Management	FDR	053	Ability to plan a menu, convert recipes, calculate portion cost, and develop an appropriate product list for a full service multi-course restaurant.
Hospitality Management: Food and Restaurant Management	FDR	053	Supervise student work crew in the application of food production and food safety and sanitation standards in the preparation of ordered menu items.
Hospitality Management: Food and Restaurant Management	FDR	053	Translation of approved menu selections into objective-based assignable preparation task.
Hospitality Management: Food and Restaurant Management	FDR	053	Using accumulated program knowledge, demonstrate a service-oriented approach in a restaurant style setting.
Hospitality Management: Food and Restaurant Management	FDR	053S	Execute a banquet and/or catering order to the satisfaction of the client.
Hospitality Management: Food and Restaurant Management	FDR	053S	Follow an event prep list and complete pre-preparation and pre-service activities.
Hospitality Management: Food and Restaurant Management	FDR	053S	Supervise student work crew in the application of food production and food safety and sanitation standards in the preparation of ordered menu items.
Hospitality Management: Food and Restaurant Management	FDR	054	Students apply historical data to forecast revenue and to develop labor and production schedules on a working spreadsheet with appropriate embedded formulas.

Hospitality Management: Food and Restaurant Management	FDR	054	Students explain and demonstrate the use of typical accounting terminology and financial statements utilizing generally accepted accounting principles specific to the hospitality industry.
Hospitality Management: Food and Restaurant Management	FDR	054	Students identify and apply basic accounting concepts and theoretical principles in practical applications specific to the hospitality industry.
Hospitality Management: Food and Restaurant Management	FDR	055	Describe the distribution channel from point-of-origin, to end user. Provide examples of "adding value" at any point within channel.
Hospitality Management: Food and Restaurant Management	FDR	055	Describe the steps in the purchasing process, the skills, knowledge, and behaviors required of purchasing personnel, and the role of food service operator ethics in purchasing.
Hospitality Management: Food and Restaurant Management	FDR	055	Explain how to effectively utilize available resources to evaluate, implement, and control a profitable purchasing system within any foodservice operation.
Hospitality Management: Food and Restaurant Management	FDR	058	Accurately assess operational conditions and effective utilization of all available resources in the implementation and management of cost control practices within hospitality operations.
Hospitality Management: Food and Restaurant Management	FDR	058	Describe and analyze the "operating control cycle" within food and beverage operations and be able to identify critical control points within that cycle.
Hospitality Management: Food and Restaurant Management	FDR	058	Explain the term 'audit trail', and be able to trace operational variances back to source documents.

Hospitality Management: Food and Restaurant Management	FDR	058	Students will calculate basic food service costs that comply with standard procedures in the food and beverage industry.
Hospitality Management: Food and Restaurant Management	FDR	059	Describe common management tenets and terms, effective practices, operational principles and procedures.
Hospitality Management: Food and Restaurant Management	FDR	059	Describe the significance of the transactional nature of supervision and management.
Hospitality Management: Food and Restaurant Management	FDR	059	Identify and align a developing leadership style with a suitable business segment of the hospitality industry.
Hospitality Management: Food and Restaurant Management	FDR	059	Perform an analysis of varying operational dynamics to draw conclusions and make decisions from a managerial perspective.
Hospitality Management: Food and Restaurant Management	FDR	060A	Students analyze and describe the relationship the menu plays on the development and planning of a new or existing food service facility.
Hospitality Management: Food and Restaurant Management	FDR	060A	Students demonstrate an example of a functional equipment layout that reflects time and motion and its effect in the Food Service Industry.
Hospitality Management: Food and Restaurant Management	FDR	060A	Students develop a list of required equipment and interior finishes that meet the Health and Safety requirements for planning a new and existing food service facility per the current Environmental Health Department codes.

Hospitality Management: Food and Restaurant Management	FDR	072	Students will create a food item consisting of three ingredients selected from a mystery food bag or box.
Hospitality Management: Food and Restaurant Management	FDR	072	Students will prepare dishes influenced by international cuisines.
Hospitality Management: Food and Restaurant Management	FDR	072S	Students will demonstrate efficient food production and service management for Catering events.
Hospitality Management: Food and Restaurant Management	FDR	073	Students will accurately utilize core formulas for basic dough preparation.
Hospitality Management: Food and Restaurant Management	FDR	073	Students will apply scaling and basic baking principles in preparation of various types of dough.
Hospitality Management: Food and Restaurant Management	FDR	073	Students will prepare fillings and decorative finishes for various types of dough.
Hospitality Management: Food and Restaurant Management	FDR	074	Apply basic baking principles, the foundation of advanced baking, to the production of various types of baked goods.
Hospitality Management: Food and Restaurant Management	FDR	074	Demonstrate skill in the production of advanced baking and pastry products.

Hospitality Management: Food and Restaurant Management	FDR	075	Apply menu engineering when evaluating a menu analysis.
Hospitality Management: Food and Restaurant Management	FDR	075	Design a menu for an operation, as well as a full menu patterned after the capstone operations classes menu parameters.
Hospitality Management: Food and Restaurant Management	FDR	075	Evaluate the significant nature of the menu and how it directly influences operational decisions and practices.
Hospitality Management: Food and Restaurant Management	FDR	076	Demonstrate understanding of hospitality sales and marketing techniques applied to food, lodging, and tourism market segments.
Hospitality Management: Food and Restaurant Management	FDR	076	Explain how daily operations are influenced by marketing efforts.
Hospitality Management: Food and Restaurant Management	FDR	076	List the career options for the sales and marketing segment of the industry itself.
Hospitality Management: Food and Restaurant Management	FDR	078	Apply advanced pastry skills to the creation of commercial bakery products.
Hospitality Management: Food and Restaurant Management	FDR	078	Apply advanced techniques to the production of European sponge cakes and butter creams.

Hospitality Management: Food and Restaurant Management	FDR	078	Apply best practices to sanitation and safety in the baking kitchen.
Hospitality Management: Food and Restaurant Management	FDR	079	Students will describe two wines tasted blind and suggest two foods that would be appropriate for serving with the wines.
Hospitality Management: Food and Restaurant Management	FDR	079	Students will identify the two basic rules for pairing wines with foods and give an example of each style of pairing, comparative flavors and contrasting flavors.
Hospitality Management: Food and Restaurant Management	FDR	081	Correctly differentiate between two wines on the basis of their flavor and style characteristics, as observed during a blind tasting.
Hospitality Management: Food and Restaurant Management	FDR	081	Correctly identify the structural components in wines including tannin, acid, sugar and fruit extract.
Hospitality Management: Food and Restaurant Management	FDR	081	Explain the difference in the process for making red and white wines.
Hospitality Management: Food and Restaurant Management	FDR	082	Demonstrate proper technique to temper chocolate.
Hospitality Management: Food and Restaurant Management	FDR	082	Identify the proper temperatures and safe techniques for cooking sugar to soft-ball, hard-ball and caramel stages.

Hospitality Management: Food and Restaurant Management	FDR	085	Students will demonstrate how energy efficiency can reduce an operation's carbon foot print.
Hospitality Management: Food and Restaurant Management	FDR	085	Students will explain the importance of water management in the hospitality industry.
Hospitality Management: Food and Restaurant Management	FDR	085	Students will outline three methods used in hospitality operations to reduce solid waste going to landfills.
Hospitality Management: Food and Restaurant Management	FDR	086	Students will demonstrate accurate and safe use of equipment for basic bread production including mixers, rollers, ovens, proof boxes, scales and small wares.
Hospitality Management: Food and Restaurant Management	FDR	086	Students will demonstrate methods for core formulas for various types of bread dough.
Hospitality Management: Food and Restaurant Management	FDR	086	Students will successfully create a French yeast bread with a professional appearance.
Hospitality Management: Food and Restaurant Management	FDR	096	Apply healthy cooking principles to any recipe.
Hospitality Management: Food and Restaurant Management	FDR	096	Demonstrate knowledge of basic healthy cooking principles and techniques to improve the quality of prepared items.

Hospitality Management: Food and Restaurant Management	FDR	106A	Students will be able to articulate the local laws and ordinances that affect running a food truck in Santa Clara County.
Hospitality Management: Food and Restaurant Management	FDR	106A	Students will be able to create a marketing plan for food truck business.
Hospitality Management: Food and Restaurant Management	FDR	106B	Students develop a plan for pre-launch advertising and marketing strategies for a food truck event.
Hospitality Management: Food and Restaurant Management	FDR	106B	Students will be able to create a food truck concept and menu.
Hospitality Management: Food and Restaurant Management	FDR	106B	Students will identify safe and sanitary procedures in the purchase, storage, and handling of food.

Department	Subject	Number	Student Learning Outcome
Humanities	HUM	001A	In writing student will discuss how works of art, music, literature and philosophy from classical antiquity through the medieval age reflect the values of the particular historical periods.
Humanities	HUM	001A	In writing students will discuss the historical, political, religious and social context of masterworks of art, music, literature and philosophy from classical antiquity through the medieval age
Humanities	HUM	001A	In writing, students will identify, analyze, and compare and contrast works of art, music, literature, and philosophy from classical antiquity through the medieval age.
Humanities	HUM	001B	In writing students will discuss the historical, political, religious and social context of works of art, music, literature and philosophy from the Renaissance through the Modern age.
Humanities	HUM	001B	In writing students will explain how works of art, music, literature and philosophy from the Renaissance through the Modern age reflect the values of the particular historical periods.

Humanities	HUM	001B	In writing students will identify, analyze, and compare and contrast works of art, music, literature and philosophy from the Renaissance through the Modern age.
Humanities	HUM	007	Students will analyze the faithfulness of fictional depictions in film form to the known reality.
Humanities	HUM	007	Students will analyze the faithfulness of fictional depictions in film form to the known reality.
Humanities	HUM	007	Students will be able to compare and contrast the films viewed for the course to their own experiences.
Humanities	HUM	007	Students will be able to compare and contrast the films viewed for the course to their own experiences.
Humanities	HUM	007	Students will communicate a familiarity with international issues addressed in films relating to the human experience.
Humanities	HUM	007	Students will communicate a familiarity with international issues addressed in films relating to the human experience.
Humanities	HUM	015	In writing students will analyze, discuss, or compare and contrast films for distinctions in style and content.
Humanities	HUM	015	In writing students will analyze, discuss, or compare and contrast the basic literary elements of film including themes, characterization, structure, setting, symbol, and myth.
Humanities	HUM	015	In writing students will trace the development of the history of film and the works of major film-makers.
Humanities	HUM	015	In writing, students will be able to analyze, discuss, or compare and contrast films for distinctions in style and content.
Humanities	HUM	015	Students will be able to write an essay of at least 1000 words that analyzes, discusses, or compares and contrasts the basic literary elements of film including themes, characterization, structure, setting, symbol, and myth.
Humanities	HUM	016A	In writing students will analyze the interrelationship between The United States and Latin America considering issues related to colonialism, economics, immigration, bilingualism, political activism, and ways in which Hispanic peoples are remaking America.
Humanities	HUM	016A	In writing students will identify and discuss major historical figures and events related to colonialism, revolution, and independence in South America, Central America, and Mexico.
Humanities	HUM	016A	In writing students will identify, discuss, and compare and contrast masterworks of art, and literature from South America, Central America, and Mexico.
Humanities	HUM	016A	In writing students will identify, discuss, and compare and contrast the ancient peoples of Latin America including the Olmec, Mayan, Aztec, and Incan civilizations.

Humanities	HUM	018	Present research on the influence of literature, music, art, and drama on the survival of African/African-American culture and tradition.
Humanities	HUM	018	Trace the development of the Black presence in the United States.
Humanities	HUM	018H	Present research on the influence of literature, music, art, and drama on the survival of African/African-American culture and tradition.
Humanities	HUM	018H	Trace the development of the Black presence in the United States.
Humanities	HUM	020	In writing students will compare and contrast and trace the development of various major Asian philosophies and religions.
Humanities	HUM	020	In writing students will identify, discuss, and compare and contrast masterworks of Asian art, architecture, literature and music.
Humanities	HUM	020	In writing students will identify, discuss, and trace the development of significant historical events and leaders in Asia from prehistoric to modern times.
Humanities	HUM	022	In writing students will explain the origins and trace the development of Islam from its beginnings to the modern age.
Humanities	HUM	022	In writing students will identify and discuss the original sources of Islam including the Qu'ran, the Hadith, and the Shari'ah.
Humanities	HUM	022	In writing students will identify and explain the core beliefs and values of Islam.
Humanities	HUM	022	In writing students will identify, discuss, and compare and contrast masterworks of Islamic art, architecture, music, poetry and/or prose.
Humanities	HUM	024	Students will explain how each Asian-American ethnic group contributes to the development of our multicultural world.
Humanities	HUM	024	Students will explain or describe how race, ethnicity, gender, class, language, and other markers of social identity impact life experiences and social relations.
Humanities	HUM	024	Students will explain the distinctive historical backgrounds, cultural sensibilities, and current social predicaments of different Asian-American groups.
Humanities	HUM	030	Orally or in writing students will explain a given aspect of a target culture (such as political, educational or monetary system, family relationships, food traditions, etc.)
Humanities	HUM	030	Students taking this class with a focus on art and architecture will identify, analyze, and compare and contrast masterworks of art and architecture associated with the particular country.
Humanities	HUM	030	Students taking this class with a focus on foreign language will demonstrate an improvement in speaking the target language.

Humanities	HUM	030	Students taking this class with a focus on music will identify and discuss major composers, musical compositions, and concert or performance halls associated with the particular country.
------------	-----	-----	--

Department	Subject	Number	Student Learning Outcome
Interdisciplinary Studies	INS	947	Students who receive tutoring will identify study skills that they perceive as having improved their academic success.
Interdisciplinary Studies	INS	947	The students will be able to improve their performance in coursework.
Interdisciplinary Studies	INS	949	1) Select members of a support network to offer further assistance in college.
Interdisciplinary Studies	INS	949	2) Incorporate strategies into a personal study regimen. Study skills areas include: taking effective lecture notes; textbook study skills; managing time; locating campus support systems and using resources effectively, preparing for tests.
Interdisciplinary Studies	INS	949	Explain study skills weaknesses and strategies to improve those weaknesses.
Interdisciplinary Studies	INS	990	Listening: Interpret everyday conversation as spoken normally by native speakers in conversational settings.
Interdisciplinary Studies	INS	990	Speaking: Discuss familiar and unfamiliar topics with some errors in increasingly extended conversations.
Interdisciplinary Studies	INS	010	The students will develop an effective assistance session plan and/or make a revision based on the individual needs of the tutee/mentee they are helping.
Interdisciplinary Studies	INS	010	The students will identify a learner's most effective learning style and apply this knowledge to assist the learner in a peer-led session.
Interdisciplinary Studies	INS	010	The students will use effective questioning techniques and active listening skills.
Interdisciplinary Studies	INS	015	Analyze strategies for assessing or changing one or more study behaviors in students
Interdisciplinary Studies	INS	015	Demonstrate effective communication strategies for face to face and/or online student assistance
Interdisciplinary Studies	INS	015	Illustrate strategies and select resources to assist adult learners and/or students with disabilities with their personal and/or academic challenges.
Interdisciplinary Studies	INS	030	Explain and evaluate study strategies for online or electronic materials in the areas of reading, notetaking, and organizing course materials and documents.

Interdisciplinary Studies	INS	030	Identify successful strategies for self-regulation and time management as related to online coursework for online classes.
Interdisciplinary Studies	INS	030	Incorporate successful study strategies for electronic materials into their regular study routines.

Department	Subject	Number	Student Learning Outcome
Kinesiology	KIN	001A	Students will demonstrate proper lifting techniques.
Kinesiology	KIN	001A	Students will demonstrate proper safety requirements.
Kinesiology	KIN	001B	Students will demonstrate the ability to use equipment and space safely and efficiently.
Kinesiology	KIN	001B	Students will develop short and long term goals.
Kinesiology	KIN	001B	Students will learn to work within teams or groups.
Kinesiology	KIN	001C	Students will demonstrate an ability to work within teams or groups.
Kinesiology	KIN	001C	Students will demonstrate the ability to use cardio equipment and space safely and efficiently.
Kinesiology	KIN	001D	Students will demonstrate the ability to use equipment and space safely and efficiently.
Kinesiology	KIN	001D	Students will develop short and long term goals.
Kinesiology	KIN	001D	Students will learn to work within teams or groups.
Kinesiology	KIN	001D	Students will perform skills unique to the sport of tennis.
Kinesiology	KIN	001E	The student will be able to perform basic yoga poses with an awareness to form and body alignment.
Kinesiology	KIN	001E	The student will be able to utilize appropriate breathing techniques that are inherent to yoga.
Kinesiology	KIN	001G	Students will be able to perform proper forehand fundamentals.
Kinesiology	KIN	001G	Students will demonstrate the ability to use equipment and space safely and efficiently.
Kinesiology	KIN	001G	Students will develop their own personalized exercise plan (PEP) in collaboration with the Instructor.
Kinesiology	KIN	001J	Students will be able to identify the proper safety requirements needed to avoid injury during balance and stability exercises.
Kinesiology	KIN	001J	Students will demonstrate proper static and dynamic movement exercises.
Kinesiology	KIN	014A	The student will be able to explain the early history and foundations of volleyball.
Kinesiology	KIN	014A	The student will be able to identify the rules and etiquette of volleyball.
Kinesiology	KIN	014B	The student will be able to apply and discusses offensive and defensive volleyball strategies.

Kinesiology	KIN	014B	The student will be able to demonstrate the basic skills of volleyball including serving, passing, setting, and footwork.
Kinesiology	KIN	015A	The student will be able to demonstrate the three basic basketball skills of triple threat.
Kinesiology	KIN	015A	The student will be able to explain the early history and foundations of basketball.
Kinesiology	KIN	015B	The student will be able to demonstrate defensive basketball skills in a game situation.
Kinesiology	KIN	015B	The student will be able to identify referee signals, player positions and court dimensions.
Kinesiology	KIN	015C	Outcome: The student will be able to demonstrate defensive basketball skills specific to motion defense in a game situation.
Kinesiology	KIN	015C	Outcome: The student will be able to demonstrate the intermediate basketball skills of jump shots, fade aways, dribbling, passing, and rebounding in a game situation.
Kinesiology	KIN	015D	Students will be able to demonstrate the advanced basketball skills of jump shots and fade aways.
Kinesiology	KIN	015D	Students will be able to demonstrate the defensive skills of disruptive pressure concepts and on/off ball screens.
Kinesiology	KIN	015D	Students will be able to demonstrate the skills of counter cross, crossover dribble and offensive box outs.
Kinesiology	KIN	019A	Upon completion of this course, students will be able to: 1. Accurately perform the basic skills unique to soccer. 2. Demonstrate the ability to use equipment and space safely and efficiently. 3. Analyze and employ basic strategy used in soccer. 4. Work within teams or groups. 5. Understand and exhibit good sportsmanship including concepts of fair play.
Kinesiology	KIN	019B	Upon completion of this course, students will be able to: 1. Accurately perform the basic skills unique to soccer. 2. Demonstrate the ability to use equipment and space safely and efficiently. 3. Analyze and employ basic strategy used in soccer. 4. Work within teams or groups. 5. Understand and exhibit good sportsmanship including concepts of fair play.
Kinesiology	KIN	020A	70% of the students will be able to demonstrate basic badminton skills such as the forehand, backhand, serve, kill, clear, and drop shots.
Kinesiology	KIN	020A	70% of the students will be able to recite the rules and etiquette of badminton and apply them to a game situation.
Kinesiology	KIN	020B	70% of the students will be able to perform or describe a proper warm-up and cool down.
Kinesiology	KIN	020B	The student will be able to execute a two shot combination play, such as, the "clear" followed by a "drop shot" 70% of the time.
Kinesiology	KIN	020C	The student will move from the net position to the backcourt and from the backcourt to the net using proper footwork 70% of the time.
Kinesiology	KIN	020C	The student will execute offensive and defensive positioning in doubles 70% of the time.

Kinesiology	KIN	020D	70% of the students will be able to play or recite badminton the correct etiquette and rules, and advanced strategies of badminton.
Kinesiology	KIN	020D	The student will be able to hit the forehand, backhand, serve, kill, clear, and drop shots, into a designated target 7 out of 10 times.
Kinesiology	KIN	021A	70% of students will be able to complete a set of singles and doubles using the correct etiquette, rules, and scoring of the game.
Kinesiology	KIN	021A	70% of students will be able to stretch and condition correctly for tennis.
Kinesiology	KIN	021A	The student will be able to perform proper mechanics and form for the ground strokes, volleys, serve, and overhead 7 out of 10 times.
Kinesiology	KIN	021B	70% of students will be able to complete a singles and doubles match, using the correct etiquette, rules, and scoring of the game.
Kinesiology	KIN	021B	70% of students will be able to describe an accurate account of the history of tennis.
Kinesiology	KIN	021B	The student will be able to execute proper mechanics and form for the return of serve, half-volleys, and approach shots 7 out of 10 times.
Kinesiology	KIN	021C	70% of students will be able to hit flat and slice serves.
Kinesiology	KIN	021C	70% of students will be able to hit the appropriate spin for the major tennis strokes, which includes groundstrokes, volleys, and serves.
Kinesiology	KIN	021C	The student will be able to place their shots accurately from the baseline to baseline into 8 x 8 ft. targets both cross-court and down-the-line 7 out of 10 times.
Kinesiology	KIN	021C	The student will execute proper footwork when moving laterally to and from the ball 7 out of 10 times.
Kinesiology	KIN	021D	70% of students will be able hit drop shots and lobs with proper spin and placement.
Kinesiology	KIN	021D	70% of students will be able to develop an individual practice session using the drills and information gained during the class.
Kinesiology	KIN	021D	70% of students will be able to identify singles and doubles strategies.
Kinesiology	KIN	021D	70% of students will be able to use proper footwork moving laterally, diagonally, and backwards during play.
Kinesiology	KIN	021E	70% of students will be able to identify an opponents strengths and weakness.
Kinesiology	KIN	021E	70% of students will describe a pre-competition routine, which includes diet, cross training, and mental training.
Kinesiology	KIN	021E	The student will be able to spin and place groundstrokes from baseline to baseline into an 8 x 8 ft target 7 out of 10 times.
Kinesiology	KIN	021E	The student will be able to place shots into an 8ft x 8ft target from the mid-court, which include mid court volleys, half-volleys, approach shots, and overheads, 7 out of 10 times.

Kinesiology	KIN	021F	70% of students will be able to identify proper doubles drills and practice procedures.
Kinesiology	KIN	021F	70% of students will be able to play doubles with basic skills.
Kinesiology	KIN	021F	70% of students will identify basic offensive and defensive strategies for doubles.
Kinesiology	KIN	023A	Students will be able to demonstrate an understanding of archery terminology.
Kinesiology	KIN	023A	Students will be able to demonstrate and practice basic target shooting.
Kinesiology	KIN	023B	Students will aim and adjust their shot using various shooting styles, which may include "instinctual", "gap", face walking, and "string walking" shooting techniques.
Kinesiology	KIN	023B	Students will draw the bow to a consistent anchor point.
Kinesiology	KIN	024A	The student will be able to demonstrate the basic bowling mechanics and techniques 60% of the time
Kinesiology	KIN	024A	The student will understand the rules, scoring, and etiquette of bowling at a 70% success rate.
Kinesiology	KIN	030A	The student will be able to identify the early history and foundations of Pilates.
Kinesiology	KIN	030A	The student will be able to utilize appropriate breathing techniques that are inherent to Pilates.
Kinesiology	KIN	030B	The student performs Pilates matwork exercises demonstrating strength, flexibility, and concentration.
Kinesiology	KIN	030B	The student will be able to demonstrate proper breathing, imprinting and joint release techniques.
Kinesiology	KIN	030C	Student describe and demonstrate matwork principles at an intermediate level.
Kinesiology	KIN	030C	Students will demonstrate proper breathing, imprinting and joint release techniques and be able to incorporate the concepts in daily life.
Kinesiology	KIN	030D	Students describe and exhibit advanced Pilates matwork principles including, but not limited to, integrated isolation, use of powerhouse, modifications, lengthening neck and spine, and advanced breathing.
Kinesiology	KIN	030D	Students identify and explain intermediate and advanced matwork exercises and utilize them in their personal practice in class, at home and to mentor fellow classmates.
Kinesiology	KIN	031A	The student will be able to identify step sequencing techniques at an introductory level.
Kinesiology	KIN	031A	The student will be able to perform the proper techniques and precautions that are involved in step aerobics.
Kinesiology	KIN	031B	The student will be able to identify the major muscles used in step aerobics.
Kinesiology	KIN	031B	The student will be able to perform a safe and effective step aerobic routine.
Kinesiology	KIN	032A	The student will be able to demonstrate improved strength and flexibility as demanded by weight room exercises as well as cool-down stretches.

Kinesiology	KIN	032A	The student will be able to explain rules for aerobic exercise, understand bodily changes through aerobic exercise, and be able to set up their own fitness program.
Kinesiology	KIN	032B	The student will be able to demonstrate improved strength and flexibility as demanded by weight room exercises as well as cool-down stretches.
Kinesiology	KIN	032B	The student will be able to explain rules for aerobic exercise, understand bodily changes through aerobic exercise, and be able to set up their own fitness program.
Kinesiology	KIN	032C	The student will be able to demonstrate improved strength and flexibility as demanded by weight room exercises as well as cool-down stretches.
Kinesiology	KIN	032C	The student will be able to explain rules for aerobic exercise, understand bodily changes through aerobic exercise, and be able to set up their own fitness program.
Kinesiology	KIN	033A	The student will be able to develop good exercise technique, including exercises for the legs, arms and abdominals that will improve muscle endurance.
Kinesiology	KIN	033A	The student will be able to perform 25 - 30 minutes of non-stop kickboxing movements that will improve their cardiovascular endurance.
Kinesiology	KIN	033B	Students will be able to perform various cardio kickboxing movements.
Kinesiology	KIN	033B	The student will be able to identify the muscles used in each kickboxing movement.
Kinesiology	KIN	035A	The student demonstrates proper use of the weight training machines.
Kinesiology	KIN	035A	The student will be able to list safety and etiquette protocols of weight training.
Kinesiology	KIN	035B	The student will be able to identify the major muscles and their functions.
Kinesiology	KIN	035B	The student will be able to perform a beginning weight training circuit with proper form, technique, and effective use of time.
Kinesiology	KIN	035C	Students will demonstrate proper protocol and technique during pyramid training.
Kinesiology	KIN	035C	The student will be able to utilize synergistic and antagonistic muscles performed during super set training.
Kinesiology	KIN	037A	The student will be able to demonstrate proper use of the cardio-cross training equipment.
Kinesiology	KIN	037A	The student will be able to list safety and etiquette protocols of cardio-cross training.
Kinesiology	KIN	037B	The student will be able to calculate target heart rate for an aerobic workout.
Kinesiology	KIN	037B	The student will be able to identify anatomical, functional systems employed in cardio-cross training.
Kinesiology	KIN	037C	The student will be able to use proper footwork when conditioning in the foundations of ply metrics.
Kinesiology	KIN	037C	The student will execute the execution of proper technique in performance on the elliptical cross trainer, tread mil, cardiovascular ,bikes, step trainer machines.

Kinesiology	KIN	037D	The student will be able to develop an individual practice session using the drills and information gained during the class.
Kinesiology	KIN	037D	The student will be able to explain and demonstrate proper mechanics and form of speed and endurance training that pushes the major muscles in the human body.
Kinesiology	KIN	038A	The student will be able to identify activities that improve lower body strength and endurance.
Kinesiology	KIN	038A	The student will be able to list safety and etiquette protocols of lower body conditioning.
Kinesiology	KIN	038B	The student demonstrates proper technique in lower body conditioning workouts.
Kinesiology	KIN	038B	The student will be able to identify muscles employed in lower body conditioning.
Kinesiology	KIN	038C	The student will be able to demonstrate the overload principles related to lower body conditioning.
Kinesiology	KIN	038C	The student will be able to explain the specificity principle of lower body conditioning.
Kinesiology	KIN	038D	The student will be able to design a full lower body conditioning program for a specific outcome.
Kinesiology	KIN	038D	The student will be able to exhibit a series of several exercises demonstrating proper technique, endurance, strength, agility, timing, and balance.
Kinesiology	KIN	038E	Complete a mile-and-a-half run in 11 minutes or less.
Kinesiology	KIN	038E	Students will increase endurance, lower-body strength, agility, and core fitness.
Kinesiology	KIN	038F	The student will be able to demonstrate improved speed and quickness in their individual (timed) speed tests as well as cool-down stretches.
Kinesiology	KIN	038F	The student will be able to explain specific guidelines for explosion - endurance exercises, identify bodily changes through exercise, and be able to set up their own fitness program.
Kinesiology	KIN	038G	The student will be able to apply agility training principles.
Kinesiology	KIN	038G	The student will be able to apply exercise routines to different aerobic and anaerobic activities in their footwork procedures, jogging, sprinting and condition training activities.
Kinesiology	KIN	038J	The student will be able to develop an individual practice training session using the plyometric drills and information gained during the class.
Kinesiology	KIN	038J	The student will be able to explain and demonstrate proper mechanics and form in vertical jumping and hopping.
Kinesiology	KIN	039A	Outcome:The student will be able to demonstrate improved anaerobic and cardiovascular endurance as determined by their performance on the initial fire agility test at the training tower at the beginning of the semester.
Kinesiology	KIN	039A	The student will be able to demonstrate improved muscle strength and endurance determined by strength tests administered at the start of the semester.

Kinesiology	KIN	039B	The student will be able to demonstrate a thorough knowledge of plyometric training principles.
Kinesiology	KIN	039B	The student will be able to demonstrate improved anaerobic and cardiovascular endurance as determined by their performance on the initial fire agility test at the training tower at the beginning of the semester.
Kinesiology	KIN	039B	The student will be able to demonstrate improved muscle strength and endurance determined by strength tests administered at the start of the semester.
Kinesiology	KIN	039C	The student will be able to complete the mile and a half run in 13 minutes or less.
Kinesiology	KIN	039C	The student will be able to complete the modified physical agility test with a time of 10 minutes or less.
Kinesiology	KIN	039C	The student will be able to demonstrate a thorough knowledge of plyometric training principles.
Kinesiology	KIN	039D	The student will be able to complete the mile and a half run in 11 minutes or less.
Kinesiology	KIN	039D	The student will be able to complete the modified physical agility test with a time of 7 minutes or less.
Kinesiology	KIN	039D	The student will be able to demonstrate a thorough knowledge of plyometric speed and agility training principles.
Kinesiology	KIN	040A	Critically evaluate and objectively discuss contemporary modern dance.
Kinesiology	KIN	040A	Demonstrate introductory level comprehension of contemporary modern dance techniques.
Kinesiology	KIN	040A	Use the creative process to create dance choreography.
Kinesiology	KIN	040B	Critically evaluate and objectively discuss contemporary modern dance as it relates to the elements of dance, ie. time, space and energy.
Kinesiology	KIN	040B	Demonstrate beginning level comprehension of contemporary modern dance techniques.
Kinesiology	KIN	040C	Critically evaluate and objectively discuss at an intermediate level modern dance as it relates to the elements of dance, i.e., time, space and energy.
Kinesiology	KIN	040C	Memorize intermediate dance phrase either created by instructor, classmate or one that was personally choreographed, and perform it with 70% accuracy.
Kinesiology	KIN	041A	Demonstrate ballet barre and center combinations at an introductory level.
Kinesiology	KIN	041A	Recognize and utilize ballet terminology at an introductory level.
Kinesiology	KIN	041B	Recognize and utilize ballet technique at a beginning level.
Kinesiology	KIN	041B	The student will be able to demonstrate correct posture and rhythmic responses to music.
Kinesiology	KIN	041C	Recognize and utilize ballet technique at an intermediate level.

Kinesiology	KIN	041C	The student will be able to demonstrate proper technique and rhythmic responses to music.
Kinesiology	KIN	041D	Practice ballet technique at an advanced level.
Kinesiology	KIN	041D	The student will be able to demonstrate proper technique and rhythmic responses to music in performance.
Kinesiology	KIN	042A	Demonstrate performance skills.
Kinesiology	KIN	042A	Demonstrate with an increasing degree of proficiency, combinations of warm-up and dance movements demonstrating consistent control, ability to memorize, musicality, alignment and aesthetic valuing.
Kinesiology	KIN	042B	Demonstrate beginning level jazz combinations of warm-up and dance movements demonstrating consistent control, ability to memorize, musicality, alignment and aesthetic valuing.
Kinesiology	KIN	042B	Demonstrate performance skills at a beginning level.
Kinesiology	KIN	042C	Demonstrate intermediate level jazz combinations for warm-up and dance movements demonstrating consistent control, ability to memorize, musicality, alignment and aesthetic valuing.
Kinesiology	KIN	042C	Demonstrate performance skills at an intermediate level.
Kinesiology	KIN	046A	Identify various ballroom dances including origin, style and rhythm.
Kinesiology	KIN	046A	Perform proper technique of leading and following.
Kinesiology	KIN	046B	Students will be able to identify origin, style and rhythmic structure for each of the various dances covered.
Kinesiology	KIN	046B	Students will perform the beginning level steps for the ballroom dances covered in the semester.
Kinesiology	KIN	046C	Students perform the intermediate level steps for the ballroom dances covered in the semester.
Kinesiology	KIN	046C	Students will be able to identify origin, style and rhythmic structure, as well as identify silver syllabus steps for each of the various dances covered.
Kinesiology	KIN	046D	Students will be able to identify origin, style and rhythmic structure, as well as identify silver syllabus steps for each of the various dances covered.
Kinesiology	KIN	046D	Verbalize and perform advanced level steps for specified ballroom dances.
Kinesiology	KIN	047A	Students will perform a hip hop routine in front of a peer group.
Kinesiology	KIN	047A	Students will take complete a quiz about origins, style and history of hip hop dance.
Kinesiology	KIN	047B	Students learn a beginning level hip hop dance routine.
Kinesiology	KIN	047B	Students take a quiz identifying beginning level dance moves.

Kinesiology	KIN	047B	Students take a quiz identifying beginning level dance moves.
Kinesiology	KIN	047C	Students learn intermediate level hip hop dance routine that consists of 70's locking dance, 80's party dance, and 90's house dance.
Kinesiology	KIN	047C	Students must take a quiz identifying intermediate level dance vocabularies.
Kinesiology	KIN	047D	Students learn an advance level hip hop dance routine.?
Kinesiology	KIN	047D	Students take a quiz identifying advance level dance vocabularies, history of the movement, differences and similarities among the sub-styles.
Kinesiology	KIN	047D	Students will choreograph their own number using advance level hip hop vocabularies.
Kinesiology	KIN	048A	Student will identify and explain at an introductory level the origin, style, rhythm, posture, positions and other background for the various dances learned.
Kinesiology	KIN	048A	Student will perform Salsa and Latin Dance patterns from selected dances at an introductory.
Kinesiology	KIN	048B	Student will perform Salsa and Latin Dance patterns from selected dances at a beginning level.
Kinesiology	KIN	048B	Students identify and explain at a beginning level the origin, style, rhythm, posture, positions and other background for the various dances learned.
Kinesiology	KIN	050A	Students will understand the basic principles, philosophy and history of Tai Chi.
Kinesiology	KIN	050A	The student will be able to accurately perform the basic movements in Tai Chi.
Kinesiology	KIN	050B	Explain the energy flow that Tai Chi generates when practiced correctly.
Kinesiology	KIN	050B	Students will demonstrate greater mind/body awareness by performing the movements and forms of Tai Chi utilizing correct body technique.
Kinesiology	KIN	050B	Students will understand the basic principles, philosophy and history of Tai Chi.
Kinesiology	KIN	051A	Students will be able to: Accurately perform the basic skills unique to Aikido.
Kinesiology	KIN	051A	Upon completion of this class, students will be able to: Analyze and employ basic aikido tactics and techniques.
Kinesiology	KIN	051B	Students will be able to: Accurately perform the basic skills unique to Aikido.
Kinesiology	KIN	051B	Upon completion of this class, students will be able to: Demonstrate the ability to use space safely and efficiently.
Kinesiology	KIN	051C	Students will be able to: Accurately perform the Intermediate skills unique to Aikido.
Kinesiology	KIN	051C	Upon completion of this class, students will be able to: Demonstrate the ability to use space safely and efficiently
Kinesiology	KIN	053A	Accurately perform the basic skills that are unique to Karate.
Kinesiology	KIN	053A	Develop short term and long term goals in skill acquisition and belt advancement.

Kinesiology	KIN	053A	Understand and exhibit good etiquette towards the instructor and fellow students with-in the martial art.
Kinesiology	KIN	053B	Accurately perform the basic skills that are unique to Karate.
Kinesiology	KIN	053B	Develop short term and long term goals in skill acquisition and belt advancement.
Kinesiology	KIN	053B	Understand and exhibit good etiquette towards the instructor and fellow students with-in the martial art.
Kinesiology	KIN	053C	Accurately perform the basic skills that are unique to Karate.
Kinesiology	KIN	053C	Develop short term and long term goals in skill acquisition and belt advancement.
Kinesiology	KIN	053C	Understand and exhibit good etiquette towards the instructor and fellow students with-in the martial art.
Kinesiology	KIN	055A	The student will be able to demonstrate the basic skills of self-defense.
Kinesiology	KIN	055A	The student will be able to name the four lines of defense and the fundamental strategies / tactics of personal defense.
Kinesiology	KIN	055B	The student will be able to demonstrate a defense from punch and weapon attacks.
Kinesiology	KIN	055B	The student will be able to demonstrate releases from wrist/ arm grabs, chokes, bear hugs, and head locks.
Kinesiology	KIN	061A	The student will be able to perform basic yoga poses with proper form and body alignment.
Kinesiology	KIN	061A	The student will be able to utilize appropriate breathing techniques that are inherent to Hatha yoga.
Kinesiology	KIN	061B	The student will be able to perform yoga asanas with balance, increased endurance, and improved flexibility.
Kinesiology	KIN	061B	The student will be able to practice meditative techniques.
Kinesiology	KIN	061C	The student will be able to design their own practice in the vinyasa style for 30 minutes emphasizing strength and flexibility.
Kinesiology	KIN	061C	The student will be able to perform more complex asanas in a variety of body positions.
Kinesiology	KIN	061D	Students are required to perform asanas on a standing, sitting, and lying base at an advanced level demonstrating endurance, strength and flexibility.
Kinesiology	KIN	061D	Students will be able to design their own practice in the vinyasa style for 30 minutes,emphasizing endurance, strength and flexibility.
Kinesiology	KIN	063A	The student will be able to apply the proper safety precautions and adherence to the rules and etiquette while on a hike.
Kinesiology	KIN	063A	The student will be able to identify necessary attire, equipment and safety precautions in planning a hike.

Kinesiology	KIN	063B	The student will be able to demonstrate hiking techniques including posture, stride length and frequency.
Kinesiology	KIN	063B	The student will be able to hike at an appropriate pace on a variety of trails.
Kinesiology	KIN	063C	The student will demonstrate proper footwear and attire needed to perform a safe and comfortable walking fitness program.
Kinesiology	KIN	063C	The student will describe the intensity and duration needed to meet their walking fitness goals.
Kinesiology	KIN	063D	The student will demonstrate proper walking / jogging form.
Kinesiology	KIN	063D	The student will demonstrate the different styles of walking to improve fitness.
Kinesiology	KIN	063D	The student will demonstrate the proper safety precautions and adhere to the walking / jogging rules of this course.
Kinesiology	KIN	069	The student will be able to develop exercise routines and stress reduction strategies to achieve a relaxation response.
Kinesiology	KIN	069	The student will be able to state the concepts of stress in physiological terms.
Kinesiology	KIN	070	1. The student will be able to synthesize the techniques needed to become a personal trainer.
Kinesiology	KIN	070	2. The student will be able to identify correct and incorrect exercise techniques.
Kinesiology	KIN	071	Recognize and treat common athletic injuries in mainstream and special populations.
Kinesiology	KIN	071	The student will list basic precautions necessary in order to avoid injury during exercise.
Kinesiology	KIN	072	1. The student will be able to describe the role that each of the six nutrients play on the body's metabolism, as well as their role in athletic performance.
Kinesiology	KIN	072	2. Evaluate nutrient intake and plan sound nutritional programs and nutritional ergogenic aids for optimal athletic performance.
Kinesiology	KIN	073	1. The student will be able to administer and evaluate a medical/health screening to individuals being tested and identify primary and secondary risk factors reported.
Kinesiology	KIN	073	2. The student will be able to administer a series of basic tests that determine an individual's strength, flexibility, cardiovascular endurance, body composition and body alignment.
Kinesiology	KIN	074	The student will be able to identify the basic skeletal and muscular system of the human body.
Kinesiology	KIN	074	The student will be able to understand the physiological responses and adaptations the body will make to exercise.
Kinesiology	KIN	075	The student will be able to design appropriate cues for achieving correct body alignment.
Kinesiology	KIN	075	The student will be able to recognize and identify correct body alignment.

Kinesiology	KIN	076	1. The student will be able to design a total body weight training routine to develop the following: muscle strength, endurance, tone/definition and cardiovascular condition.
Kinesiology	KIN	076	2. The student will be able to design routines to develop specific body parts, such as the arms, chest, and legs.
Kinesiology	KIN	077	1. The student will be able to identify the various muscle, cardiac, and neuromuscular physiological responses and adaptations that the body undergoes with exercise.
Kinesiology	KIN	077	2. The student will be able to list the specific metabolic steps involved in anaerobic glycolysis.
Kinesiology	KIN	078	The student will be able to explain the characteristics, career opportunities, prominent issues and professional organizations for the Kinesiology subdisciplines that draw content from the natural and physical sciences: exercise physiology, biomechanics, athletic training, motor learning and motor development.
Kinesiology	KIN	078	The student will be able to explain the characteristics, career opportunities, prominent issues and professional organizations for the Kinesiology subdisciplines that draw content from the social sciences: sport psychology, sport history, sport philosophy, sport management and sport sociology.
Kinesiology	KIN	080	Students identify important dance artists and their contributions.
Kinesiology	KIN	080	Students identify the elements of dance and utilize them in critical thinking exercises.
Kinesiology	KIN	083	The student will be able to explain and demonstrate proper mechanics, fundamentals and the technique of the offensive approach including; setting, overhead shots and serving in Volleyball.
Kinesiology	KIN	083	The student will learn to improve their fitness level from the start of the semester through the end of the semester.
Kinesiology	KIN	084	Demonstrate an understanding and ability to follow all conference and CCCAA rules.
Kinesiology	KIN	084	Upon completion of this class, students will be able to: Demonstrate an ability to work within a team and compete at the intercollegiate level.
Kinesiology	KIN	085	Students will demonstrate an understanding and ability to follow all conference and COA rules.
Kinesiology	KIN	085	Upon completion of this class, students will be able to Demonstrate an ability to work within a team and compete at the intercollegiate level.
Kinesiology	KIN	086	Students will demonstrate an understanding and ability to follow all conference and COA rules.
Kinesiology	KIN	086	Upon completion of this class, students will be able to Demonstrate an ability to work within a team and compete at the intercollegiate level.

Kinesiology	KIN	087	Upon completion of this class, students will be able to: Demonstrate an ability to work within a team and compete at the intercollegiate level.
Kinesiology	KIN	087	Demonstrate an understanding and ability to follow all conference and COA rules.
Kinesiology	KIN	088	The student will learn to formulate an appreciation for the emotional and physical coordination necessary for maximum achievement in this sport.
Kinesiology	KIN	088	Upon completion of this class, students will be able to demonstrate an ability to work within a team and compete at the intercollegiate level.
Kinesiology	KIN	089	The student will be able to identify the different strategies of advanced tennis 6 out of 10 times.
Kinesiology	KIN	089	The student will be able to understand proper training methods for conditioning at a 60% performance rate.
Kinesiology	KIN	089	The student will demonstrate proper stroke mechanics during competitive play at a 60% performance rate.
Kinesiology	KIN	090	The student will learn to formulate an appreciation for the emotional and physical coordination necessary for maximum achievement in this sport.
Kinesiology	KIN	090	Upon completion of this class, students will be able to demonstrate an ability to work within a team and compete at the intercollegiate level.
Kinesiology	KIN	091	Demonstrate an understanding and ability to follow all conference and COA rules.
Kinesiology	KIN	091	Upon completion of this class, students will be able to: Demonstrate an ability to work within a team and compete at the intercollegiate level.
Kinesiology	KIN	092	The student will be able to identify the different strategies of advanced tennis 6 out of 10 times.
Kinesiology	KIN	092	The student will be able to recognize an opponent's weakness in technique, strategy or court coverage 6 out of 10 times.
Kinesiology	KIN	093	The student will be able to explain and demonstrate proper mechanics, fundamentals and the technique of defensive positions including; fielding ground balls, fly balls, throwing and catching a softball.
Kinesiology	KIN	093	The student will be able to use proper footwork moving laterally, diagonally, and backwards in all phases of play.
Kinesiology	KIN	094	The student will be able to explain and demonstrate proper mechanics, fundamentals and the technique of the offensive approach including; ground strokes, overhead shots and serving in Tennis.
Kinesiology	KIN	094	The student will learn to improve their fitness level from the start of the semester through the end of the semester.

Kinesiology	KIN	095	he student will be able to explain and demonstrate proper mechanics, fundamentals and the technique of defensive positions including; dribbling, passing, checking, heading.
Kinesiology	KIN	095	The student will be able to use proper footwork moving laterally, diagonally, and backwards in all phases of play.
Kinesiology	KIN	096	The student will be able to explain and demonstrate proper mechanics, fundamentals and the technique of defensive positions including; passing, dribbling, guarding and blocking shots in basketball.
Kinesiology	KIN	097	The student will be able to explain and demonstrate proper mechanics, fundamentals and the technique of defensive positions including; fielding ground balls, fly balls, throwing and catching a baseball.
Kinesiology	KIN	097	The student will be able to use proper footwork moving laterally, diagonally, and backwards in all phases of play.
Kinesiology	KIN	098	The student will learn to improve their fitness level from the start of the semester through the end of the semester.
Kinesiology	KIN	098	The student will learn to perform sport specific fitness exercise.
Kinesiology	KIN	099	The student will be able to demonstrate coordination, flexibility, balance, and endurance by incorporating the basic techniques of stretching and conditioning as they apply to sport specific conditioning.
Kinesiology	KIN	099	The student will be able to explain and demonstrate proper mechanics and form of the various apparatus equipment in the weight room.

Department	Subject	Number	Student Learning Outcome
Learning Services	LSR	940	Students will identify an area of difficulty in writing and demonstrate at least one strategy or tool to compensate for weakness.
Learning Services	LSR	940	Students will independently edit and revise written work.
Learning Services	LSR	940	Students will write a unified paragraph by sequencing the sentences using a visual diagram
Learning Services	LSR	940	When given a prompt, students will compose a five paragraph essay using transition words and phrases.
Learning Services	LSR	941	Upon completion of this course, students will be able to: ,1. identify his/her learning style ,2. apply a learning strategy that accommodates the identified area(s) of disability that inhibit(s) the understanding of content specific courses.,3. apply the learning strategies discovered. Utilize memory techniques to increase encoding and retention of information.

Learning Services	LSR	943	Student will communicate with their instructors and peers via email and discussions, access their syllabus and check progress/grades for current classes through the course management system.
Learning Services	LSR	943	Students will identify which assistive technology tool is most beneficial for them based on their learning needs and model its use to the class.
Learning Services	LSR	950	Upon completion of the course, the student will be able to,1. identify a specific strategy technique practiced in the lab,2. identify one assistive technology that was used in the lab,3. Student will apply a specific strategy technique that was practiced in the lab.
Learning Services	LSR	942A	Upon completion of this course, students will be able to:,1. identify the area(s) of disability which inhibit(s) the understanding of mathematical concepts.,2. Apply a learning strategy that accommodates the identified area(s) of disability that inhibit(s) the understanding of these mathematical concepts.,3. Improve their overall understanding of basic pre-algebra concepts by at least one level.
Learning Services	LSR	942B	Upon completion of this course, students will be able to:,1. identify the area(s) of disability which inhibit(s) the understanding of the mathematical concepts of fractions, decimals, & percents.,2. Apply a learning strategy that accommodates the identified area(s) of disability that inhibit(s) the understanding of these mathematical concepts.,3. Use a calculator to solve basic mathematics problems involving fractions, decimals, and percents.

Department	Subject	Number	Student Learning Outcome
Library	LIB	010	Students will create correctly formatted citations in multiple formats.
Library	LIB	010	Students will identify and critically evaluate appropriate resources.
Library	LIB	010	When using information, students will correctly identify when citations are required.
Library	LIB	010H	Students will create correctly formatted citations in multiple formats.
Library	LIB	010H	Students will identify and critically evaluate appropriate resources.
Library	LIB	010H	Students will prepare and organize an annotated bibliography of at least 20 items appropriate to research on a specific topic.
Library	LIB	010H	When using information, students will correctly identify when citations are required.

Department	Subject	Number	Student Learning Outcome
LVN-RN: Registered Nursing Program	LVN	021	Demonstrate the acquisition of nursing theoretical knowledge by successfully completing this required nursing course with a score of 75% or better.

LVN-RN: Registered Nursing Program	LVN	021	Upon completion of this required nursing course, the student will be able to demonstrate the acquisition and integration of nursing theoretical knowledge into nursing practice by successfully demonstrating the competencies of clinical nursing skills and identifying appropriate nursing interventions with the guidance of the nursing instructor.
LVN-RN: Registered Nursing Program	LVN	021A	Demonstrate the acquisition of nursing theoretical knowledge by successfully completing this required nursing course with a score of 75% or better.
LVN-RN: Registered Nursing Program	LVN	021A	Integrate nursing theoretical knowledge into nursing practice by successfully demonstrating the competencies of clinical nursing skills and identifying appropriate nursing interventions with the guidance of the nursing instructor.
LVN-RN: Registered Nursing Program	LVN	031	Apply therapeutic communication skills, psycho-pharmacological concepts and mental status assessment skills in the areas of anxiety disorders, psychiatric disorders, chemical dependency, personality disorders, domestic violence and sexual assault issues.
LVN-RN: Registered Nursing Program	LVN	031	Demonstrate proficiency in the application of nursing and therapeutic strategies related to the treatment of mental health clients.
LVN-RN: Registered Nursing Program	LVN	032	Correctly apply theoretical principles of nursing related to the treatment of medical-surgical patients.
LVN-RN: Registered Nursing Program	LVN	032	Correctly demonstrate the application of medical-surgical techniques, including pre- and post-operative patients.
LVN-RN: Registered Nursing Program	LVN	033	Deliver safe, comprehensive patient/client care in a simulated patient care setting.
LVN-RN: Registered Nursing Program	LVN	033	Successfully complete a weekly journal that includes self-evaluation of patient/client care performance, with a focus on clinical reasoning, the meaning and implications of their actions and experience.
LVN-RN: Registered Nursing Program	LVN	034	Demonstrate accurate medication calculation and medication administration.
LVN-RN: Registered Nursing Program	LVN	034	Provide comprehensive direct nursing care (with the guidance of the instructor) to patients/clients using: Neuman system theory; evidence based practice; the nursing process; the principles of asepsis, caring, and safety, while integrating the principles of communication, critical thinking and reasoning, diversity, information competency, professionalism, civic responsibility, leadership, gerontology/geriatrics, and theoretical knowledge of medical-surgical disease processes and mental health disorders from the nursing theory courses while taking into consideration the physiological, psychosocial, cultural, developmental, and spiritual aspects of care provide patient/client care.

LVN-RN: Registered Nursing Program	LVN	041	Students will be able to acquire and integrate clinical nursing skills and prioritizing nursing interventions.
LVN-RN: Registered Nursing Program	LVN	041	Students will be able to apply theoretical nursing knowledge of disease process, as well as normal and abnormal growth and development throughout the lifespan.
LVN-RN: Registered Nursing Program	LVN	042	Demonstrate the acquisition and integration of nursing theoretical knowledge by successfully completing the on-line proctored final exam of a score of 75% or higher
LVN-RN: Registered Nursing Program	LVN	042	Demonstrate the acquisition of nursing theoretical knowledge by successfully completing this required nursing course with a score of 75% or better.
LVN-RN: Registered Nursing Program	LVN	044	Demonstrate accurate medication calculation and medication administration.
LVN-RN: Registered Nursing Program	LVN	044	With the guidance of the instructor, the student will provide comprehensive direct nursing care to patients/clients using Neuman system theory; evidence based practice; the nursing process; the principles of asepsis, caring, and safety while integrating the principles of communication; critical thinking and reasoning; diversity; information competency; professionalism, civic responsibility, and leadership; gerontology/geriatrics; and theoretical knowledge of medical-surgical disease processes, pediatric and maternal child health issues from the nursing theory courses while taking into consideration the physiological, psychosocial, cultural, developmental, and spiritual aspects of care provide patient/client care
LVN-RN: Registered Nursing Program	LVN	050	Acquire and integrate nursing theoretical knowledge into nursing practice in demonstrating the competencies of clinical nursing skills and prioritizing nursing interventions.
LVN-RN: Registered Nursing Program	LVN	050	Apply nursing theoretical knowledge of leadership techniques.

Department	Subject	Number	Student Learning Outcome
Mathematics	MAT	900	Perform arithmetic operations on expressions involving non-negative numbers including whole numbers, fractions, decimals and/or percents.
Mathematics	MAT	900	Solve applications involving operations with non-negative numbers, proportions, percents, geometry, and/or conversions.
Mathematics	MAT	902	Perform arithmetic operations on expressions involving signed numbers including integers, fractions, decimals and percents.
Mathematics	MAT	902	Solve applications involving operations with signed numbers, proportions, percents, geometry, and conversions.

Mathematics	MAT	902	Solve one variable linear equations involving signed numbers including integers, fractions, decimals and percents.
Mathematics	MAT	903	Demonstrate the skills to communicate mathematics clearly and confidently.
Mathematics	MAT	903	Simplify algebraic expressions.
Mathematics	MAT	903	Solve applications using algebraic methods.
Mathematics	MAT	903	Solve linear, quadratic, and rational equations, including graphing lines.
Mathematics	MAT	909	Organize, summarize, interpret, and/or display the data using appropriate graphical and numerical methods.
Mathematics	MAT	909	Use a computer package in performing statistical procedures.
Mathematics	MAT	909	Use probability concepts or distributions to determine the likelihood of events.
Mathematics	MAT	910	Apply fundamental concepts of arithmetic and algebra to determine solutions to problems.
Mathematics	MAT	910	Identify various problem solving strategies leading to potential solutions to mathematical and logical problems.
Mathematics	MAT	910	Identify various problem types and techniques used to mathematically model problems.
Mathematics	MAT	000C	Graph functions and equations involving topics from intermediate algebra.
Mathematics	MAT	000C	Simplify expressions and solve equations involving topics from intermediate algebra.
Mathematics	MAT	000C	Solve applications involving topics from intermediate algebra.
Mathematics	MAT	000CG	Apply both critical and creative thinking to number patterns and draw conclusions using inference based on the patterns.
Mathematics	MAT	000CG	Apply mathematical methods to solve basic problems in geometry, statistics, combinatorics, trigonometry and algebra.
Mathematics	MAT	000CG	Use logical steps and illustrations to develop an algorithm to complete a particular mathematical task.
Mathematics	MAT	000CM	Graph functions and equations involving topics from intermediate algebra.
Mathematics	MAT	000CM	Simplify expressions and solve equations involving topics from intermediate algebra.
Mathematics	MAT	000CM	Solve applications involving topics from intermediate algebra.
Mathematics	MAT	000CMX	Graph functions and equations involving topics from intermediate algebra.
Mathematics	MAT	000CMX	Simplify expressions and solve equations involving topics from intermediate algebra.
Mathematics	MAT	000CMX	Solve applications involving topics from intermediate algebra.
Mathematics	MAT	000D	Evaluate, simplify, and solve expressions and equations involving trigonometry, polar coordinates, and vectors, and prove trigonometric identities.
Mathematics	MAT	000D	Graph trigonometric functions, polar and parametric equations, vectors, and conic sections.
Mathematics	MAT	000D	Solve applications involving trigonometry, polar coordinates, and vectors.
Mathematics	MAT	000G	Apply the concepts of Euclidean geometry to solve application problems.

Mathematics	MAT	000G	Demonstrate mathematical problem solving ability through written work by solving basic problems in number theory, set theory, and/or probability.
Mathematics	MAT	000G	Explain to a non-mathematical audience an application of sequences, number systems, and/or modular arithmetic.
Mathematics	MAT	001	Graph functions and equations involving topics from college algebra.
Mathematics	MAT	001	Simplify expressions and solve equations involving topics from college algebra.
Mathematics	MAT	001	Solve applications involving topics from college algebra.
Mathematics	MAT	002	Graph functions and equations involving topics from college algebra and trigonometry.
Mathematics	MAT	002	Simplify expressions and solve equations involving topics from college algebra and trigonometry.
Mathematics	MAT	002	Solve applications involving topics from college algebra and trigonometry.
Mathematics	MAT	003A	Apply the concepts of limits and their properties.
Mathematics	MAT	003A	Demonstrate knowledge and comprehension of the process of differentiation.
Mathematics	MAT	003A	Demonstrate knowledge and comprehension of the process of integration.
Mathematics	MAT	003A	Solve applications such as graphing, approximation, related rates, optimization, area, etc. using techniques of calculus.
Mathematics	MAT	003AH	Apply in-depth knowledge and comprehension to the process of differentiation.
Mathematics	MAT	003AH	Apply the concepts of limits and their properties
Mathematics	MAT	003AH	Demonstrate knowledge and comprehension of the process of integration.
Mathematics	MAT	003AH	Solve applications such as graphing, approximation, related rates, optimization, area, etc. using techniques of calculus.
Mathematics	MAT	003B	Apply integration to compute areas and volumes, and other applications such as work, center of mass and length of a curve.
Mathematics	MAT	003B	Evaluate definite and indefinite integrals using a variety of integration formulas and techniques.
Mathematics	MAT	003B	Use specific theorems to study the convergence of an infinite series and to write elementary functions using infinite series.
Mathematics	MAT	004A	Use analytic geometry, vector-algebra and calculus to gain information that can be used to solve problems related to curves in two- or three-space.
Mathematics	MAT	004A	Use analytic geometry, vector-algebra and calculus to gain information that can be used to solve problems related to surfaces in three-space.
Mathematics	MAT	004A	Use analytic geometry, vector-algebra and calculus to gain information that can be used to solve problems related to vector fields and 'flow' in two and three dimensions.

Mathematics	MAT	004A	Use expressions, equations, graphs and properties of vectors and other geometric objects in two and three dimensions to analyze and solve application problems.
Mathematics	MAT	004B	Apply an appropriate solution method to solve various types of first-order ordinary differential equations.
Mathematics	MAT	004B	Apply either an appropriate solution method or approximation technique to various types of higher-order ordinary differential equations in order to analyze and solve related application problems.
Mathematics	MAT	004B	Apply Fourier series or other appropriate solution techniques to various types of partial differential equations in order to analyze and solve related application problems.
Mathematics	MAT	004C	Identify and analyze the relationship between a vector space as a linear transformation and corresponding subspaces (row space, column space, null space, eigenspace, and in general vector spaces, the range and kernel of a linear transformation).
Mathematics	MAT	004C	Represent a system of linear equations as a set of equations, as an augmented matrix, as a vector equation, as a linear combination of vectors, using determinants, as a transformation from R_m into R_n , then solving the system using matrices.
Mathematics	MAT	004C	State the definitions, properties, and theorems of Linear Algebra and prove certain theorems and properties.
Mathematics	MAT	005	Solve mathematical, scientific, or engineering problems by developing algorithms and creating MATLAB programs using structured MATLAB syntax and logic.
Mathematics	MAT	005	Use appropriate data types, including standard data structures as well as abstract data types and objects, to solve mathematical, scientific, and engineering problems.
Mathematics	MAT	005	Use the graphical tools in MATLAB to visualize and analyze data associated with mathematical, scientific and engineering problems.
Mathematics	MAT	008	Apply the formulas of the mathematics of finance to real-world situations and interpret the results.
Mathematics	MAT	008	Solve application involving matrices, including, but not limited to, solving systems of linear systems of equations, linear programming, and the simplex method in two and more dimensions.
Mathematics	MAT	008	Solve applications involving basic set theory, combinatorics and probability.
Mathematics	MAT	009	Apply confidence intervals and hypothesis testing methods to form conclusions about the population.
Mathematics	MAT	009	Perform regression analysis to make informed predictions about the relationships between quantitative variables.
Mathematics	MAT	009	Use a computer package in performing statistical procedures.

Mathematics	MAT	010	Apply confidence intervals and hypothesis testing methods to form conclusions about the population.
Mathematics	MAT	010	Organize, summarize, and display the data using appropriate graphical and numerical methods
Mathematics	MAT	010	Perform regression analysis to make informed predictions about the relationships between quantitative variables.
Mathematics	MAT	010	Use a computer package in performing statistical procedures
Mathematics	MAT	010H	Apply confidence intervals and hypothesis testing methods to form conclusions about the population.
Mathematics	MAT	010H	Honors students will use a computer package in performing statistical procedures including applications to statistical research
Mathematics	MAT	010H	Organize, summarize, and display the data using appropriate graphical and numerical methods
Mathematics	MAT	010H	Perform regression analysis to make informed predictions about the relationships between quantitative variables.
Mathematics	MAT	012	Solve applied problems in business, including cost, revenue, profit and related concepts, using differentiation and other related techniques from calculus.
Mathematics	MAT	012	Solve applied problems in business, including cost, revenue, profit and related concepts, using integration.
Mathematics	MAT	012	Use techniques of calculus to graph polynomial, rational, exponential, and logarithmic functions, and analyze and interpret graphs in the context of applications from business, including cost, revenue, profit and related concepts.
Mathematics	MAT	019	Apply permutation, combination and/or Pigeonhole Principle and Set Theory to state, translate and solve Counting and Probability problems.
Mathematics	MAT	019	Apply the concepts and techniques of Graph Theory to study Networks problems and certain Search and Sort Algorithms in Computer Programming.
Mathematics	MAT	019	Apply the language of Logic and various Proof techniques to state, translate and prove or disprove the validity of logical statements in the field of Number Theory.
Mathematics	MAT	081H	Analyze the topic in a skillful and thorough manner.
Mathematics	MAT	081H	Discuss the topic critically with instructor and other students.
Mathematics	MAT	081H	Explain the importance of the topic to the discipline.
Mathematics	MAT	081H	Use new vocabulary relevant to the topic.
Mathematics	MAT	903M	Simplify algebraic expressions.
Mathematics	MAT	903M	Solve applications using algebraic methods.

Mathematics	MAT	903M	Solve linear, quadratic, and rational equations, including graphing lines.
Mathematics	MAT	903MX	Simplify algebraic expressions.
Mathematics	MAT	903MX	Solve applications using algebraic methods.
Mathematics	MAT	903MX	Solve linear, quadratic, and rational equations, including graphing lines.

Department	Subject	Number	Student Learning Outcome
Music	MUS	005	Construct major/minor scales and demonstrate a basic understanding of key relationships.
Music	MUS	005	Interpret and notate basic rhythmic notation, including simple and compound meters, sixteenth-note divisions and beaming.
Music	MUS	005	Understand and implement basic harmonic analysis skills.
Music	MUS	006	Students will correctly analyze the harmonic function of diatonic triads and seventh chords in all key signatures.
Music	MUS	006	Students will demonstrate a basic proficiency with reading and writing rhythmic notation.
Music	MUS	007	Perform on the piano intermediate/advanced level scales and chordal harmonies in both traditional and commercial idioms.
Music	MUS	007	Students will demonstrate an intermediate/advanced proficiency with reading and writing rhythmic notation.
Music	MUS	008	Analyze the harmonic functions and music theory expressed in advanced music literature.
Music	MUS	008	Students will demonstrate an advanced proficiency with reading and writing rhythmic notation.
Music	MUS	010	1. Identify many types and styles of music, including the the important periods of Western musical history, the important composers and their music.,,2. Distinguish between the basic elements of music and compare the basic approaches to music performance and interpretation.,, 3. Develop some facility for listening to music meaningfully and analyze the relationship of music to society.
Music	MUS	015A	70% of students will be able to compose a beginning level song in a popular style, including the lyrics, melody, harmony, and formal design.
Music	MUS	015A	80% of students will be able to analyze and articulate the formal design of a beginning level popular song, including the lyrics and basic musical elements.
Music	MUS	015A	80% of students will understand the fundamental connections between intellectual property rights theory, copyright law (including copyright.gov), and the essential elements and typical variations of songwriter contracts.
Music	MUS	015B	70% of students will be able to compose an intermediate level song in a popular style, including the lyrics, melody, harmony, and formal design.

Music	MUS	015B	80% of students will be able to analyze and articulate the formal design of an intermediate level popular song, including the lyrics and musical elements.
Music	MUS	016	75% of students will be able to outline the most influential styles of rock and popular music, 1954-2010.
Music	MUS	016	75% of students will identify and summarize the influence of prominent artists on the development of popular musical styles.
Music	MUS	017	Upon completion of the course students will be able to:;Compare and contrast recorded selections of music by analyzing musical content, instruments used and aesthetics of music from various cultures
Music	MUS	017	Upon completion of the course students will be able to:;Demonstrate an understanding of the many ways music functions as an integral part of various musical cultures from around the world
Music	MUS	030A	Decipher a score of music, including notes, rhythmic values, signs and terms.
Music	MUS	030A	Play piano repertoire at a beginning level. Play and have an understanding of selected major scales
Music	MUS	030B	Decipher a score of music, including notes, rhythmic values, signs and terms
Music	MUS	030B	Play piano repertoire at a beginning/intermediate level. Play and have an understanding of all major scales and selected minor scales
Music	MUS	031A	1. Decipher a score of music, including notes, rhythmic values, signs and terms,2. Play piano repertoire at a beginning-intermediate level,3. Play and have an understanding of selected minor scales
Music	MUS	031B	1. Decipher a score of music, including notes, rhythmic values, signs and terms,2. Play piano repertoire at an intermediate level (2nd semester),3. Play and have an understanding of all minor scales
Music	MUS	032A	1. Demonstrate knowledge of basic music elements, such as note reading, rhythm, terms and notation, etc.,2. Utilize proper breathing techniques to meet the phrasing requirements of a simple song
Music	MUS	032B	1. Demonstrate knowledge of basic music elements, such as note reading, rhythm, terms and notation, etc.,2. Utilize basic vocalizes to strengthen the voice and to create flexibility throughout the registers of the voice,3. Demonstrate in performance clear, free articulation and proper breathing.
Music	MUS	036A	Students will acquire beginning level skills in reading basic music notation, and it's application to the guitar fretboard.

Music	MUS	036A	Students will be able to perform beginning level open position triads and seventh chords, and selected guitar music.
Music	MUS	036B	Students will acquire intermediate-beginning level skills in reading music notation, and it's application to the guitar fretboard.
Music	MUS	036B	Students will be able to perform intermediate-beginning level open position triads and seventh chords, and selected guitar music.
Music	MUS	036C	Students will be able to perform intermediate level guitar repertoire.
Music	MUS	036C	Students will play major and minor triads and seventh chords in three positions.
Music	MUS	036D	Students will perform two short compositions from the intermediate-advanced level repertoire.
Music	MUS	036D	Students will play two octave arpeggio patterns in five positions.
Music	MUS	039A	Students will demonstrate a knowledge of all major scales, and all forms of minor scales including natural, harmonic and melodic minor.
Music	MUS	039A	Students will demonstrate a knowledge of piano literature and performance practices for solo piano repertoire.
Music	MUS	039A	Students will demonstrate an understanding of musical symbols and create annotated scores of solo repertoire with articulation marks, dynamics and pedaling.
Music	MUS	039B	Students will demonstrate a knowledge of all major scales, and all forms of minor scales including natural, harmonic and melodic minor.
Music	MUS	039B	Students will demonstrate a knowledge of piano literature and performance practices for solo piano repertoire.
Music	MUS	039B	Students will demonstrate an understanding of musical symbols and create annotated scores of solo repertoire with articulation marks, dynamics and pedaling.
Music	MUS	039C	Identify and apply advanced techniques of chamber piano performance.
Music	MUS	039C	Students will develop analytical thinking in performing chamber piano music and critical thinking in evaluating his/her own musical performance and that of other students in the class.
Music	MUS	039D	Students will demonstrate a knowledge of pedagogical techniques for learning and teaching piano to deepen their understanding of recital preparation.
Music	MUS	039D	Students will identify and apply advanced techniques of solo piano performance, such as memorization, voicing, balance, expression, pedaling, etc. in preparation for a final recital performance.
Music	MUS	041A	Students will demonstrate proficiency in singing four part SATB (soprano, alto, tenor, bass) choral repertoire.

Music	MUS	041A	Students will demonstrate the ability to identify and sing diatonic intervals.
Music	MUS	041B	Students will demonstrate proficiency in singing four part SATB (soprano, alto, tenor, bass) choral repertoire at the intermediate level.
Music	MUS	041B	Students will demonstrate the ability to identify and sing diatonic intervals.
Music	MUS	041C	Students will demonstrate proficiency in singing four part SATB (soprano, alto, tenor, bass) choral repertoire at the intermediate to advanced level.
Music	MUS	041C	Students will demonstrate the ability to identify and sing chromatic intervals.
Music	MUS	041D	Students will demonstrate an ability to interpret and perform choral music at an advanced level.
Music	MUS	041D	Students will demonstrate proficiency in singing four part SATB (soprano, alto, tenor, bass) choral repertoire at the advanced level.
Music	MUS	041D	Students will demonstrate the ability to identify and sing non-diatonic intervals.
Music	MUS	048A	70% of students will demonstrate beginning level technical skills on a standard orchestral instrument.
Music	MUS	048A	70% of students will demonstrate progress towards more effective rehearsal techniques and performance practices.
Music	MUS	048B	70% of students will demonstrate beginning-intermediate level technical skills on a standard orchestral instrument.
Music	MUS	048B	70% of students will demonstrate beginning-intermediate progress towards more effective rehearsal techniques and performance practices.
Music	MUS	048C	70% of students will demonstrate intermediate level technical skills on a standard orchestral instrument.
Music	MUS	048C	70% of students will demonstrate intermediate progress towards more effective rehearsal techniques and performance practices.
Music	MUS	048D	70% of students will demonstrate intermediate-advanced level technical skills on a standard orchestral instrument.
Music	MUS	048D	70% of students will demonstrate intermediate-advanced progress towards more effective rehearsal techniques and performance practices.
Music	MUS	050	Attend and actively participate in a music rehearsal.
Music	MUS	050	Demonstrate knowledge of drumming styles and performance practice from various cultures and musical genres.
Music	MUS	050	Name percussion instruments and match them to a specific country or musical style.
Music	MUS	050	Perform percussion music in an ensemble.

Music	MUS	080	Construct drum charts, chords charts and leadsheets using standard procedures for music notation.
Music	MUS	080	Create and sequence drum grooves, bass lines, chord changes and melodies within a given set of parameters.
Music	MUS	080	Identify various Musical Instrument Digital Interface (MIDI) devices.
Music	MUS	081	Define the use and functions of various components in the signal path of an analog audio mixer.
Music	MUS	081	Edit prerecorded material using ProTools audio software.
Music	MUS	081	Operate a Digital Audio Workstation (DAW) and related recording and sound equipment.
Music	MUS	082	Compare and contrast the functions and appropriate use of various software instrument plug-ins.
Music	MUS	082	Create and sequence an original orchestral MIDI score within a given set of parameters.
Music	MUS	083	Demonstrate a knowledge of the functions of various digital music processors such as EQ, compression, limiting, reverb, delay, pitch correction and dither
Music	MUS	083	Operate the advanced mixing features of a Digital Audio Workstation (DAW) including software plug-ins, mixer automation and basic mastering tools
Music	MUS	087	80% of students will be able create, then present to the class, a scheduling system that clearly organizes appointments, tasks and payments from private lesson or recording studio clients.
Music	MUS	087	80% of students will be able to create a brand name and logo to represent their music business.
Music	MUS	090	Acquire basic knowledge of digital music equipment relative to subject of the parent music course.
Music	MUS	090	Apply productive methods of practicing.
Music	MUS	095A	Given fundamental music theory instruction, students will be able to satisfactorily perform all major scales and arpeggios at the introductory level.
Music	MUS	095A	Given selected literature and exercises, students will be able to successfully perform assigned repertoire and etudes as demonstrated by their completion of sixteen private instruction music lessons at the,introductory level.
Music	MUS	095B	Given fundamental music theory instruction, students will be able to satisfactorily perform all major scales and arpeggios at the intermediate level.
Music	MUS	095B	Given selected literature and exercises, students will be able to successfully perform assigned repertoire and etudes as demonstrated by their completion of sixteen private instruction music lessons at the intermediate level.

Music	MUS	095C	Given fundamental music theory instruction, students will be able to satisfactorily perform all major scales and arpeggios at the intermediate/advanced level.
Music	MUS	095C	Given selected literature and exercises, students will be able to successfully perform assigned repertoire and etudes as demonstrated by their completion of sixteen private instruction music lessons at the intermediate/advanced level.
Music	MUS	095D	Given fundamental music theory instruction, students will be able to satisfactorily perform all major scales and arpeggios at the advanced level.
Music	MUS	095D	Given selected literature and exercises, students will be able to successfully perform assigned repertoire and etudes as demonstrated by their completion of sixteen private instruction music lessons at the advanced level.

Department	Subject	Number	Student Learning Outcome
Non-Credit: Basic Skills	NCB	901	Students who complete this course will indicate an improvement in their writing ability with emphasis on sentence-level composition.
Non-Credit: Basic Skills	NCB	902	Students who complete this course will indicate an improvement in their writing ability in one or more of the following areas of essay writing:,,Know each part of the essay and its function within the essay as a whole;;,,Make determinations regarding what to include in their essays based on their knowledge of the parts of an essay;;,,Connect the parts of their essays smoothly so as to enhance readability.
Non-Credit: Basic Skills	NCB	002	Show progress towards readiness for successfully completing reading, writing, math, science, and/or social studies questions on the official GED exams using a computer.
Non-Credit: Basic Skills	NCB	003	Display readiness for successfully completing reading activities on the official GED exams.
Non-Credit: Basic Skills	NCB	004	Display readiness for successfully completing writing activities on the GED exam.
Non-Credit: Basic Skills	NCB	005	Display readiness for successfully completing math problems on the GED exam.
Non-Credit: English as a Second Language	NCE	925	Students will transfer and apply appropriate strategies to improve performance in ESL courses and/or improve their general college experience.
Non-Credit: English as a Second Language	NCE	925	Use the online course management system to effectively communicate and share files with the course instructor and/or classmates
Non-Credit: English as a Second Language	NCE	910A	Respond to questions in spoken English.
Non-Credit: English as a Second Language	NCE	910A	Select appropriate responses to questions based on simple readings about familiar topics.
Non-Credit: English as a Second Language	NCE	910B	Respond to questions in spoken English.

Non-Credit: English as a Second Language	NCE	910B	Write simple sentences about present events.
Non-Credit: English as a Second Language	NCE	910L	Based on simple readings or audio/video recordings, select appropriate responses to questions or write simple sentence in the present tense.
Non-Credit: English as a Second Language	NCE	920A	Respond to questions in spoken English.
Non-Credit: English as a Second Language	NCE	920A	Write simple sentences about present and/or past events.
Non-Credit: English as a Second Language	NCE	920B	Respond to questions in spoken English.
Non-Credit: English as a Second Language	NCE	920B	Write simple sentences about present, past, and/or future events.
Non-Credit: English as a Second Language	NCE	920L	Based on readings or audio/video recordings, select appropriate responses to questions or write simple sentences about present, past, and/or future events.
Non-Credit: Immigration Education	NCI	010	Respond adequately to spoken questions routinely asked during the citizenship exam.
Non-Credit: Immigration Education	NCI	010	Respond adequately to written questions or dictations related to content included in the citizenship exam.
Non-Credit: Older Adults	NCO	1611	Demonstrate, in sequence, the appropriate steps to complete a project.
Non-Credit: Older Adults	NCO	1611	Identify and discuss themes (cultural, holiday or seasonal) in works of art.
Non-Credit: Older Adults	NCO	1611	Use proper art techniques while utilizing a variety of materials and tools.
Non-Credit: Older Adults	NCO	3900	3. Outcome: Demonstrate effective expressive communication and attentive and respectful listening.
Non-Credit: Older Adults	NCO	3900	Identify facts and concepts relating to current events, culture, geography, and/or history.
Non-Credit: Older Adults	NCO	3900	Participate in topic-focused group discussions.

Department	Subject	Number	Student Learning Outcome
Nutrition Science	NTR	015	Students will be able to correctly generate computerized reports from food records and compare at least 5 ways their diet meets or does not meet their physiological needs.

Nutrition Science	NTR	015	Students will be able to list the 6 food groups of the USDA My Plate and correctly identify a minimum of 3 foods that fit into each group.
Nutrition Science	NTR	015	Students will be able to locate at least 3 reliable sources of nutrition information on a given topic and summarize the results of their search.
Nutrition Science	NTR	040	Given a disease state, students will be able to identify at least 3 diet modifications that are used to treat the disease.
Nutrition Science	NTR	040	Students will be able to identify 6 disease states that require specialized diets and at least 2 diet modifications for each disease.
Nutrition Science	NTR	040	Students will be able to list the 6 categories of essential nutrients and be able to identify how to obtain those nutrients in the diet.
Nutrition Science	NTR	052	Given a nutrition topic, the student will be able to access and reference a minimum of 3 reliable sources of information.
Nutrition Science	NTR	052	Identify the 6 essential nutrients and a major function of each one.
Nutrition Science	NTR	052	Plan a menu for children that will meet current state and federal guidelines.

Department	Subject	Number	Student Learning Outcome
Philosophy	PHI	001	Students will compare the views of philosophers on metaphysical and epistemological issues.
Philosophy	PHI	001	Students will explain the views of the great philosophers.
Philosophy	PHI	002	Students will detect common fallacies in reasoning. At least 65% of students will find ten or more fallacies.
Philosophy	PHI	002	Students will distinguish arguments from non-arguments. 65% of students will get three quarters of the questions correct.
Philosophy	PHI	002	Students will learn to use truth tables to test arguments for validity. 65% percent of students will solve the problems correctly.
Philosophy	PHI	003	Students will apply ethical theories to a particular problem. Students should thoroughly explain the ethical theories, and the theories can be used to resolve the issue.
Philosophy	PHI	003	Students will critically analyze and argue for a particular position on a contemporary moral problem.
Philosophy	PHI	005	Analyze a variety of problems in political philosophy from several points of view.
Philosophy	PHI	005	Apply reading material and discussion to current political and social issues.
Philosophy	PHI	005	Describe varying conceptions and justifications of political states.
Philosophy	PHI	005	Evaluate varying conceptions of just distributions of social good.

Department	Subject	Number	Student Learning Outcome
Physics	PHY	002A	The student will be able to demonstrate the ability to measure experimental data and quantitatively analyze these data using software like Microsoft Excel, producing numerical and graphical results.
Physics	PHY	002A	The student will be able to identify the basic concepts and laws of mechanics and thermodynamics at the trigonometry level to analyze and solve quantitative problems in these fields.
Physics	PHY	002B	The student will also be able to demonstrate the ability to measure experimental data and quantitatively analyze these data using software like Microsoft Excel, producing numerical and graphical results.
Physics	PHY	002B	The student will be able to identify the basic concepts and laws of electricity and magnetism, geometrical and wave optics and atomic physics to analyze and solve quantitative problems in these fields.
Physics	PHY	004A	The student will also be able to demonstrate the ability to measure experimental data and quantitatively analyze these data using software such as Microsoft Excel producing numerical and graphical results.
Physics	PHY	004A	The student will identify the basic laws of physics in the area of mechanics. The student will analyze and solve quantitative problems in classical mechanics by applying the concepts of Forces, Energy and Momentum.
Physics	PHY	004B	1. The student will be able to identify the basic concepts and laws of electricity and magnetism to analyze and solve quantitative problems in electricity and magnetism.
Physics	PHY	004B	2. The student will also be able to demonstrate the ability to measure experimental data and quantitatively analyze these data using software like Microsoft Excel, producing numerical and graphical results.
Physics	PHY	004C	1. The student will be able to identify the basic concepts and laws of thermodynamics, geometrical and wave optics and atomic physics to analyze and solve quantitative problems in these fields.
Physics	PHY	004C	2. The student will also be able to demonstrate the ability to measure experimental data and quantitatively analyze these data using software like Microsoft Excel, producing numerical and graphical results.
Physics	PHY	004D	Analyze and solve quantitative problems in modern physics including relativity and quantum mechanics using the basic laws of atomic physics.
Physics	PHY	004D	Explain the basic experiments that were historically important to the development of our understanding of atomic physics.

Physics	PHY	010	Apply the laws of physics to the world around them.
Physics	PHY	010	Identify the basic concepts and laws governing matter and energy at the conceptual level.

Department	Subject	Number	Student Learning Outcome
Political Science	POL	001	Students will be able to articulate multiple perspectives on a political issue.
Political Science	POL	001	Students will be able to identify and describe the major institutions of American and Californian politics.
Political Science	POL	001	Students will be able to identify when elections occur, the process of elections, and their state and federal elected officials.
Political Science	POL	001	Students will have an increase in basic political knowledge.
Political Science	POL	001H	Students will be able to articulate multiple perspectives on a political issue.
Political Science	POL	001H	Students will be able to identify and describe the major institutions of American and Californian politics.
Political Science	POL	001H	Students will be able to identify when elections occur, the process of elections, and their state and federal elected officials.
Political Science	POL	001H	Students will have an increase in basic political knowledge.
Political Science	POL	002	Classify and explain the nature and structure of government for various countries from diverse regions of the world.
Political Science	POL	002	Compare and contrast two or more ethnic groups, cultures, regions, nations, and/or social systems.
Political Science	POL	002	Place contemporary developments in cultural, historical, environmental, and spatial contexts.
Political Science	POL	003	Analyze a variety of problems in political philosophy from several points of view.
Political Science	POL	003	Apply reading material and discussion to current political and social issues.
Political Science	POL	003	Describe varying conceptions and justifications of political states.
Political Science	POL	003	Evaluate varying conceptions of just distributions of social good.
Political Science	POL	004	Students will be able to apply concepts and theories to real world events and situations.
Political Science	POL	004	Students will be able to identify and describe the key components of the major theories of International Relations.
Political Science	POL	004	Students will be able to identify the nature of power and how each of the major theories of International Relations address its use.
Political Science	POL	005	Students will conceptualize and operationalize political constructs for measurement within a research design.

Political Science	POL	005	Students will critically analyze the quality and validity of research produced within the field of Political Science.
Political Science	POL	005	Students will identify ethical considerations in qualitative and quantitative research.
Political Science	POL	006	Compare and contrast the relative political positions of men and women, historically and today, in different cultures from various regions of the world.
Political Science	POL	006	Identify and explain the characteristics and political history of various ethnic and racial groups from around the world.
Political Science	POL	006	Identify and explain the impact of class within the socio-economically differentiated (developed, developing, and underdeveloped) countries.
Political Science	POL	007	Students will analyze the faithfulness of fictional depictions in film form to the known reality.
Political Science	POL	007	Students will analyze the faithfulness of fictional depictions in film form to the known reality.
Political Science	POL	007	Students will be able to compare and contrast the films viewed for the course to their own experiences.
Political Science	POL	007	Students will be able to compare and contrast the films viewed for the course to their own experiences.
Political Science	POL	007	Students will communicate a familiarity with international issues addressed in films relating to the human experience.
Political Science	POL	007	Students will communicate a familiarity with international issues addressed in films relating to the human experience.
Political Science	POL	020	Students will apply well-reasoned and researched arguments to real and/or hypothetical situations involving a citizen's rights and/or liberties.
Political Science	POL	020	Students will assess the nature of arguments on controversial legal and/or political issues, focusing on the potential logical errors and the validity of the evidence.
Political Science	POL	020	Students will critically analyze the complex relationship between an individual's rights and liberties and the public interest.

Department	Subject	Number	Student Learning Outcome
Psychology	PSY	001	Students will distinguish and analyze how an appreciation of cultural relativity and human diversity might enrich the understanding of psychology.
Psychology	PSY	001	Students will identify research models and relate the findings of research to life situations.
Psychology	PSY	001H	Describe the various methodological approaches to studying disease, health, and health risk.

Psychology	PSY	001H	Identify the strengths and weaknesses of research designs.
Psychology	PSY	007	Students will diagram, describe, and/or explain the structure and function of:;a. the cerebral cortex,b. the spinal cord,c. the somatic and autonomic nervous systems.
Psychology	PSY	007	Students will evaluate the philosophical implications of physiological psychology in the areas of psychological theory, explanations, and treatment. Students will apply and describe theoretical concepts in psychological research.
Psychology	PSY	010	Students will compare and contrast psychological and sociological aspects of Social Psychology, including methodologies and levels of analysis.
Psychology	PSY	010	Students will explain conformity and deviance as forms of behavior.
Psychology	PSY	012	Students will demonstrate principles of development and how they interact to affect individuals throughout their lifespan.
Psychology	PSY	012	Students will identify stages of development as described by Piaget, Erickson, and Freud.
Psychology	PSY	015	Students will describe the concept of validity and reliability of measurement and several techniques for measuring and defining validity and reliability.
Psychology	PSY	015	Students will prepare and organize a literature search on a topic selected by the class.
Psychology	PSY	015H	Students will describe the concept of validity and reliability of measurement and several techniques for measuring and defining validity and reliability.
Psychology	PSY	015H	Students will prepare and organize a literature search on a topic selected by the class.
Psychology	PSY	025	Students will describe a contemporary scientific approach to abnormal behavior, including the background and training of mental health care professionals, the scientist-practitioner model, and the domains of clinical description.
Psychology	PSY	025	Students will list known risk factors for suicide and approaches to suicide prevention and treatment.
Psychology	PSY	030	Describe and discuss the physiological and psychological aspects of the addiction cycle.
Psychology	PSY	030	Discuss the psychopharmacology of commonly abused legal and illegal substances.
Psychology	PSY	045	Students will describe social attitudes and laws regarding sexual harassment, commercial sex, and related issues.
Psychology	PSY	045	Students will evaluate health issues related to sexual contact, such as sexually transmitted diseases/infections (including AIDS), prevention, and social options.
Psychology	PSY	081H	Students will distinguish and analyze how an appreciation of cultural relativity and human diversity might enrich the understanding of psychology.
Psychology	PSY	081H	Students will identify research models and relate the findings of research to life situations.

Department	Subject	Number	Student Learning Outcome
------------	---------	--------	--------------------------

Reading	REA	960	Upon completion of Reading 960 the student will: 1) Apply decoding strategies to comprehend reading assignments.
Reading	REA	960	Upon completion of Reading 960 the student will: 2) Reflect on on main ideas and supporting details in texts.
Reading	REA	960	Upon completion of Reading 960 the student will: 3) Develop motivation and responsibility for one's learning processes.
Reading	REA	961	Upon completion of Reading 961 the student will: 1) Utilize vocabulary skills to comprehend assigned readings.
Reading	REA	961	Upon completion of Reading 961 the student will: 2) Apply inference skills and main idea skills to comprehend texts.
Reading	REA	961	Upon completion of Reading 961 the student will: 3) Develop motivation, responsibility and persistence in one's own learning process.
Reading	REA	983	Upon completion of READ 083, the student will: 1) Be able to understand vocabulary in selected course texts.
Reading	REA	983	Upon completion of READ 083, the student will: 2) Articulate main ideas and major details in selected course texts.
Reading	REA	983	Upon completion of READ 083, the student will: 3) Apply metacognitive strategies appropriate to varied readings in college level texts.
Reading	REA	054	Upon completion of the course the student should be able to: 1) Apply strategies to monitor and improve reading fluency.
Reading	REA	054	Upon completion of the course the student should be able to: 2) Chose and apply active reading strategies to analyze and evaluate texts.
Reading	REA	054	Upon completion of the course the student should be able to: 3) Develop motivation, responsibility, persistence, and critical thinking in one's own learning process.
Reading	REA	054	

Department	Subject	Number	Student Learning Outcome
Retail Floristry	RFL	24	Students will be able to design an arrangement that contains at least three elements of design.
Retail Floristry	RFL	24	Students will demonstrate the principles of caring for cut flowers, methods of taping, and wiring specified flowers.
Retail Floristry	RFL	28	Students will correctly identify common household plants and describe the correct care such as repotting.

Retail Floristry	RFL	28	Students will demonstrate a knowledge of how to control pests and treat common plant diseases.
Retail Floristry	RFL	31	Students will demonstrate a knowledge of intermediate floral design techniques.
Retail Floristry	RFL	31	Students will demonstrate ability to create floral designs for weddings and memorial events.
Retail Floristry	RFL	32	Students will demonstrate the advanced techniques of proper floral design for specific clientele.
Retail Floristry	RFL	32	Students will demonstrate the use of advanced principles and techniques in creating floral arrangements.
Retail Floristry	RFL	33	Students will be able to correctly describe the techniques for drying flowers.
Retail Floristry	RFL	33	Students will demonstrate the proper use of dried and silk flowers in a floral design.
Retail Floristry	RFL	37	Students will be able to evaluate a floral retail shop.
Retail Floristry	RFL	38	Students will demonstrate the proper techniques used to create bridal floral designs.
Retail Floristry	RFL	38	Students will demonstrate the proper techniques used to create memorial floral designs.
Retail Floristry	RFL	39	Students will demonstrate proper use of props, accessories, color and lighting in floral design.
Retail Floristry	RFL	39	Students will evaluate the techniques for interior and exterior display techniques.
Retail Floristry	RFL	45	Students will demonstrate the techniques for Ikebana floral arrangements.
Retail Floristry	RFL	45	Students will describe the proper care of flowers used in Ikebana floral designs.
Retail Floristry	RFL	61	Students will demonstrate the ability to use European design concepts in floral designs.
Retail Floristry	RFL	61	Students will identify European design concepts.
Retail Floristry	RFL	62	Students will demonstrate the proper techniques used to create high-style floral designs.
Retail Floristry	RFL	62	Students will develop armatures for large-scale floral designs.
Retail Floristry	RFL	66	Students will demonstrate the creation of arrangements without using fresh flowers.
Retail Floristry	RFL	041A	Students will be able identify and use seasonally available materials in floral designs.
Retail Floristry	RFL	041A	Students will use proper of themes and color schemes in a holiday floral design.
Retail Floristry	RFL	041B	Students will demonstrate knowledge of themes and color schemes used in spring and summer holiday floral design.
Retail Floristry	RFL	041B	Students will demonstrate the use of seasonal materials in spring and summer holdiday designs.

Department	Subject	Number	Student Learning Outcome
Sociology	SOC	001	Apply the sociological imagination to analyze your own personal issues in terms of social influences.

Sociology	SOC	001	Compare and contrast dimensions of social inequality with respect to race, class, and gender.
Sociology	SOC	001	Examine research methods used in gathering, organizing, and analyzing of data in sociology.
Sociology	SOC	001	Identify and explain the three main theoretical perspectives in sociology: Structural Functionalism, Social Conflict Theory, and Symbolic Interactionism.
Sociology	SOC	001H	Apply the sociological imagination to analyze your own personal issues in terms of social influences.
Sociology	SOC	001H	Compare and contrast dimensions of social inequality with respect to race, class, and gender.
Sociology	SOC	001H	Examine research methods used in gathering, organizing, and analyzing of data in sociology.
Sociology	SOC	001H	Identify and explain the three main theoretical perspectives in sociology: Structural Functionalism, Social Conflict Theory, and Symbolic Interactionism.
Sociology	SOC	002	Apply sociological theories (structural functionalism, social conflict theory, and symbolic interactionism) to explain social problems and identify solutions.
Sociology	SOC	002	Evaluate possible solutions to social problems.
Sociology	SOC	002	Identify and analyze social problems using the sociological imagination.
Sociology	SOC	002H	Apply sociological theories (structural functionalism, social conflict theory, and symbolic interactionism) to explain social problems and identify solutions.
Sociology	SOC	002H	Evaluate possible solutions to social problems.
Sociology	SOC	002H	Identify and analyze social problems using the sociological imagination.
Sociology	SOC	016	Calculate descriptive statistics including mean, median, mode, standard deviation and variance.
Sociology	SOC	016	Calculate inferential statistics including chi-square, t-test, ANOVA, and correlation and regression.
Sociology	SOC	016	Describe data through tables and graphs.
Sociology	SOC	016	Understand the different measurement scales, their uses and limitations.
Sociology	SOC	021	Discuss the nature of societal and individual prejudice and the potential for reducing prejudice.
Sociology	SOC	021	Identify and compare cultural values, attitudes and behavioral modes of ethnic and racial minority groups in the U.S.
Sociology	SOC	040	Compare and contrast the diversity of family forms.
Sociology	SOC	040	Evaluate (relevant sociological literature and theories suggesting) solutions for problems and issues within the contemporary family.

Sociology	SOC	040	Examine the social, cultural, and historical trends that have shaped and changed the landscape of families.
Sociology	SOC	040	Recognize the interdependence between the family and other social institutions, such as the economy, religion, education, and the government.
Sociology	SOC	045	Students will describe social attitudes and laws regarding sexual harassment, commercial sex, and related issues.
Sociology	SOC	045	Students will evaluate health issues related to sexual contact, such as sexually transmitted diseases/infections (including AIDS), prevention, and social options.
Sociology	SOC	047	Critique the approaches used by societal agencies to prevent criminal behavior.
Sociology	SOC	047	Explain the role of the correctional systems in prevention and rehabilitation.
Sociology	SOC	050	Analyze various perspectives of criminal justice that shape public policy and practice.
Sociology	SOC	050	List and describe the primary agencies of the contemporary criminal justice system (police, courts, corrections).
Sociology	SOC	054	Asses the various forms of law, their sources and development, their effect on society, and their relationship to criminal law.
Sociology	SOC	054	Compare and Contrast the various models of criminal justice used by all areas of the criminal justice system.
Sociology	SOC	058	Acquire knowledge of basic concepts in corrections, penology, and the ethics involved.
Sociology	SOC	058	Analyze major sources of data on the effectiveness of correctional programs and punishment theories
Sociology	SOC	058	Understand correctional ideologies from historical perspectives including probation and parole system.
Sociology	SOC	060	Compare and contrast various philosophies of policing.
Sociology	SOC	060	Examine the role of the police in fighting crime, maintaining order, and service.
Sociology	SOC	060	Explain and critique the process of community justice which requires and employs collaboration between police, communities, and law enforcement agencies.

Department	Subject	Number	Student Learning Outcome
Transportation	TRN	101	Students balance the dual priorities of effectively managing interactions with the public and maintaining personal health and wellness.
Transportation	TRN	101	Students differentiate between public service industries and private businesses, and use this distinction to explain the guiding mission of the public transit agencies.
Transportation	TRN	101	Students employ effective interpersonal communication skills within a work team environment and when dealing with the public.

Transportation	TRN	101	Students explain the importance of customer service in the transportation industry and model effective strategies and skills for positive customer service.
Transportation	TRN	102	Students adopt an effective work-related stress management routine that incorporates mindfulness strategies and proper ergonomics.
Transportation	TRN	102	Students differentiate between unprofessional and professional public service skills in handling everyday workplace interactions.
Transportation	TRN	103	Students identify community health problems and describe effective strategies to minimize their impact on public transit service delivery.
Transportation	TRN	103	Students utilize de-escalation strategies to handle community health issues with sensitivity and respect.
Transportation	TRN	104	Students apply effective interpersonal communication skills to facilitate productive peer mentoring.
Transportation	TRN	105	Students develop personal strategies for staying neutral and remaining calm while facilitating peer group meetings.
Transportation	TRN	105	Students utilize effective facilitation techniques in peer group meetings.
Transportation	TRN	106	Students identify nonverbal factors that affect communications, such as differences in perception and body language.
Transportation	TRN	106	Students successfully navigate challenging interpersonal encounters with customers in the public transit environment.
Transportation	TRN	107	Students model the interest-based problem solving approach to craft mutually beneficial options and arrive at consensus on divisive issues.
Transportation	TRN	107	Students utilize effective strategies for resolving labor/management disputes.
Transportation	TRN	108	Students analyze the foundational differences between traditional disciplinary methods and positive performance coaching.
Transportation	TRN	108	Students describe the differences between the manager and leader styles of performance coaching.
Transportation	TRN	109	Correctly use computers to create business documents and spreadsheets, and access the Internet appropriately.
Transportation	TRN	109	Explain the steps necessary to safely and effectively use a computer for business purposes, such as composing a memo, filling out online forms, and using shared drive folders.
Transportation	TRN	110	Students describe the organization of the bus maintenance shop floor and the three main types of maintenance performed (preventative / downing defects / major overall).

Transportation	TRN	110	Students explain the roles and responsibilities of Transit Schedulers, Transit Radio Dispatchers, and Field Supervisors in maintaining consistent daily public bus transit operations.
Transportation	TRN	121	Students demonstrate proficiency in safe forklift operations.
Transportation	TRN	121	Students describe the layout and functions of Light Rail departments, and can safely navigate Light Rail facilities.
Transportation	TRN	122	Students identify ladder and electrical hazards, and explain proper safety practices to minimize these dangers.
Transportation	TRN	122	Students properly set up a work area for traffic control utilizing the Work Area Traffic Control Handbook (WATCH).
Transportation	TRN	123	Students comply with all Policies, Procedures, and other work directives.
Transportation	TRN	123	Students follow safe work practices in and around the railroad environment.
Transportation	TRN	131	Students conduct track work safely by identifying and mitigating hazards present on or around the railroad tracks.
Transportation	TRN	131	Students identify components of basic track structure, including the roadbed, railroad crossties, and ballast.
Transportation	TRN	131	Students perform basic routine track maintenance, such as railroad crosstie replacement.
Transportation	TRN	132	Students correctly identify tangent track, curved track, and combinations of both, and explain the key differences between each type.
Transportation	TRN	132	Students identify railway wear problems.
Transportation	TRN	132	Students identify roadway, turnout, and crossover parts.
Transportation	TRN	133	Students assess the current inventory of emergency track materials, and use safe storage practices to restock these materials.
Transportation	TRN	133	Students assess track and grade crossing maintenance needs and execute needed maintenance, including track work specific to track layouts.
Transportation	TRN	133	Students create maintenance repair plans for rail replacement, implement the plans, and observe proper follow-up procedures.
Transportation	TRN	134	Students conduct track inspections according to the guidelines outlined in FRA Classes of Tracks I-5.
Transportation	TRN	134	Students identify defective rails and take appropriate corrective action based on the nature of the defect.
Transportation	TRN	134	Students safely and effectively perform all necessary duties assigned at the scene of a derailment.

Transportation	TRN	134	Students utilize work equipment to maintain effective vegetation control on and around the roadway.
Transportation	TRN	141	Construct basic circuits and identify their components and functions.
Transportation	TRN	141	Correctly utilize electrical test equipment to diagnose electrical problems.
Transportation	TRN	141	Describe and diagnose circuits utilizing basic electrical concepts.
Transportation	TRN	142	Identify electrical hazards at the worksite and reduce or eliminate the dangers.
Transportation	TRN	142	Properly utilize electrical protective equipment and follow safe work practices around electricity.
Transportation	TRN	143	Correctly describe the process of isolating a system by opening or closing DC switchgear.
Transportation	TRN	143	Correctly describe the process of verifying load and no-load situations using disconnect switches.
Transportation	TRN	144	Conduct hands-on inspection of all safety tools, PPE, and equipment.
Transportation	TRN	144	Utilize proper grounding procedures to mitigate the danger of,working on an energized traction power system.
Transportation	TRN	151	Correctly interpret blue prints, diagrams, schematics, and drawings.
Transportation	TRN	151	Identify different types of hand tools and power tools, and employ safe work practices in their use.
Transportation	TRN	151	Identify electrical hazards and mitigate them via proper safety procedures and precautions, protective relays, and safe use of test equipment.
Transportation	TRN	152	Explain the basics of power distribution, system components, protective relays, substations, and control equipment.
Transportation	TRN	152	Perform inspections and maintenance on the overhead contact system in a safe and efficient manner.
Transportation	TRN	152	Properly inspect and test AC/DC instruments, substation equipment, and cables.
Transportation	TRN	153	Explain safe work practices for rigging and hoisting jobs.
Transportation	TRN	153	Explain the safety practices necessary for working in Confined Spaces, such as ensuring proper ventilation of fumes.
Transportation	TRN	153	Perform a proper bucket rescue under the time requirements outlined in OSHA 29CFR1910.269 electric power generation.
Transportation	TRN	154	Accurately judge safe approach distances to energized circuits and equipment.
Transportation	TRN	154	Demonstrate proper care and use of electrical protective equipment.
Transportation	TRN	154	Explain the hazards of electricity and the effects it can have on the human body.
Transportation	TRN	154	Utilize electrical protective equipment, grounding, and insulation to safely work near energized systems and circuits.

Transportation	TRN	155	Efficiently operate the mobile crane (boom truck) while following all safety and operating procedures and OSHA regulations.
Transportation	TRN	155	Perform a thorough Unit Setup and Pre-Operational Inspection before using the mobile crane.
Transportation	TRN	201	Students demonstrate familiarity with fleet coaches.
Transportation	TRN	201	Students follow proper shop procedures and safety protocols.
Transportation	TRN	202	Students describe the proper usage of hand tools.
Transportation	TRN	202	Students explain how to use a micrometer.
Transportation	TRN	202	Students identify different types of gauges used for precision measurement.
Transportation	TRN	204	Students identify major brake components and describe their function.
Transportation	TRN	204	Students perform diagnostic air brake tests.
Transportation	TRN	205	Students describe the basic construction and operating principles of the Allison B400 and B500 transmission.
Transportation	TRN	205	Students utilize diagnostic equipment to perform basic diagnostic procedures.
Transportation	TRN	206	Students diagram and explain how a diesel engine brings in air, compresses it, and expels it as exhaust.
Transportation	TRN	206	Students examine diesel engine components and determine whether it is a two-stroke or four-stroke engine.
Transportation	TRN	206	Students measure the crankshaft, camshaft, and exhaust pressure.
Transportation	TRN	206	Students utilize measuring tools to determine valve adjustments.
Transportation	TRN	207	Students physically identify each component of a hybrid propulsion system utilizing service manual and technical manual information.
Transportation	TRN	207	Students use workbooks, worksheets, and diagnostic tools to perform basic checks on the hybrid propulsion system.
Transportation	TRN	208	Students use LEDs to troubleshoot specific faults.
Transportation	TRN	208	Students use test equipment to test specific hardware functions (module functions).
Transportation	TRN	208	Students use test software to check network communications.
Transportation	TRN	209	Students perform a C PM (24,000 mile vehicle inspection).
Transportation	TRN	209	Students perform an A PM (2,000 mile vehicle inspection).
Transportation	TRN	210	Students demonstrate familiarity with fleet coaches and their major components.
Transportation	TRN	210	Students follow proper shop procedures and safe work practices while assisting with major repairs and component replacements.
Transportation	TRN	401	Students apply DMV rules and regulations for drug and alcohol use, and Americans with Disabilities Act (ADA) regulations, in real life coach operation.

Transportation	TRN	401	Students demonstrate safe coach operation per DMV regulations.
Transportation	TRN	401	Students explain and interpret rules differences between private and public transit industries.
Transportation	TRN	402	Students identify all rules, policies, and procedures governing harassment, discrimination, and Title 6.
Transportation	TRN	402	Students prepare for routes before driving (e.g. route cards) and accurately track their hours of service while driving to fill out logbooks.
Transportation	TRN	403	Students use appropriate VTA chain of command to professionally handle passenger questions, requests, and complaints.
Transportation	TRN	403	Students utilize proper radio and AMDT codes to communicate with OCC for common occurrences that arise during transit service.
Transportation	TRN	404	Students follow good reporting procedures, including providing accurate information and submitting reports in a timely manner.
Transportation	TRN	404	Students identify adverse driving conditions (e.g. weather) and adjust their driving technique to compensate for the danger.
Transportation	TRN	405	Students identify major equipment on each type of coach at VTA, and explain troubleshooting techniques for major coach systems.
Transportation	TRN	405	Students perform coach check outs and air brake tests utilizing the defect card.
Transportation	TRN	421	Explain and follow all Rules and Procedures governing coach operations and transit radio dispatching.
Transportation	TRN	421	Navigate both routine and emergency incidents that occur in coach operations in a safe and efficient manner.
Transportation	TRN	421	Properly utilize the OrbCAD-NT and Centracom software programs under both normal and emergency operating conditions.
Transportation	TRN	441	Utilize proper business technology, practices and procedures to compose business documents and e-mails in a timely and efficient manner.
Transportation	TRN	010	Describe the basic overall structure of the public transit industry, including structural elements within the industry and public transit's position in the greater context of communities.
Transportation	TRN	010	Describe the various job positions involved in public transit, including the processes for both vertical (career ladder) and horizontal (career lattice) promotion.
Transportation	TRN	203A	Students define Ohm's Law and Watt's Law.
Transportation	TRN	203A	Students determine voltage, resistance, and amperage in both series and parallel circuits.
Transportation	TRN	203A	Students identify and differentiate between series and parallel circuits.

Transportation	TRN	203A	Students use Ohm's Law to determine voltage, current, and resistance.
Transportation	TRN	203B	Students identify and explain automotive electrical components.
Transportation	TRN	203B	Students identify various resources and diagnostics of an electrical fault.
Transportation	TRN	203B	Students perform basic wiring and repair techniques.
Wellness and Human Performance	WHP	004Q	1. The student will be able to demonstrate enhanced flexibility on selected stretching tests. ,2. The student will be able to demonstrate proper stretching techniques.

Department	Subject	Number	Student Learning Outcome
Wellness and Human Performance	WHP	004Q	2. The student will be able to demonstrate proper stretching techniques.
Wellness and Human Performance	WHP	004S	1. The student will be able to synthesize the techniques needed to become a personal trainer. ,2. The student will be able to identify correct and incorrect exercise techniques.
Wellness and Human Performance	WHP	004S	2. The student will be able to identify correct and incorrect exercise techniques.
Wellness and Human Performance	WHP	023	1. The student will be able to administer and evaluate a medical/health screening to individuals being tested and identify primary and secondary risk factors reported. ,
Wellness and Human Performance	WHP	023	2. The student will be able to administer a series of basic tests that determine an individual's strength, flexibility, cardiovascular endurance, body composition and body alignment.
Wellness and Human Performance	WHP	026	1. The student will be able to design a total body weight training routine to develop the following: muscle strength, endurance, tone/definition and cardiovascular condition. ,2. The student will be able to design routines to develop specific body parts such as the arms, chest, legs, etc.
Wellness and Human Performance	WHP	026	2. The student will be able to design routines to develop specific body parts such as the arms, chest, legs, etc.
Wellness and Human Performance	WHP	027	1. The student will be able to identify the various muscle, cardiac, and neuromuscular physiological responses and adaptations that the body undergoes with exercise. ,2. The student will be able to list the specific metabolic steps involved in anaerobic glycolysis.
Wellness and Human Performance	WHP	027	2. The student will be able to list the specific metabolic steps involved in anaerobic glycolysis.
Wellness and Human Performance	WHP	028	1. The student will be able to recognize and identify correct body alignment. ,2. The student will be able to design appropriate cues for achieving correct body alignment.
Wellness and Human Performance	WHP	028	2. The student will be able to design appropriate cues for achieving correct body alignment.

Wellness and Human Performance	WHP	030	Students will analyze the basic principles of physical education and sport in our society.
Wellness and Human Performance	WHP	030	Students will be able to explain the role of these disciplines in the school, recreation, sport, and industrial settings.
Wellness and Human Performance	WHP	031	Students will apply basic economic principles and understand how to interpret budgets and financial statements.
Wellness and Human Performance	WHP	031	Students will be able to examine the history of Sport management.
Wellness and Human Performance	WHP	031	Students will be able to understand the concept of ethics in sport.
Wellness and Human Performance	WHP	031	Students will comprehend the basic principles of sports marketing.
Wellness and Human Performance	WHP	031	Students will evaluate leadership styles and develop strategies to effectively manage employee diversity.
Wellness and Human Performance	WHP	031	Students will recognize various factors that impact organizational development and describe the safety and liability concerns that a facility manger must address.
Wellness and Human Performance	WHP	031	Students will understand how the laws apply to the management of sport.
Wellness and Human Performance	WHP	031	Students will understand the basic theories and terminology pertinent to sport management.
Wellness and Human Performance	WHP	40.2	1. The student will be able to gain the conceptual basis of the matwork.,2. The student will be able to use Pilates physical/mind conditioning method.
Wellness and Human Performance	WHP	40.2	2. The student will be able to use Pilates physical/mind conditioning method.

Department	Subject	Number	Student Learning Outcome
Work Experience	WRK	301	Students will apply critical thinking, technology competence and problem solving skills to solve workplace problems.
Work Experience	WRK	301	Students will develop and apply professionalism and work ethic skills including personal accountability, time management, punctuality, collegiality, and effective communication
Work Experience	WRK	301	Students will identify, create and implement one SMART learning objective that will include new or expanded occupational/career workplace skills, knowledge, ,attitudes, behaviors, and/or responsibilities.

Work Experience	WRK	302	Students will develop and apply professionalism and work ethic skills including personal accountability, time management, punctuality, collegiality, and effective communication in the workplace.
Work Experience	WRK	302	Students will identify personal workplace learning opportunities and create and implement two SMART learning objectives that include new or expanded general and/or occupational workplace skills, knowledge, attitudes, behaviors, and/or responsibilities.
Work Experience	WRK	303	Students will accomplish three SMART learning objectives that include new or expanded occupational workplace skills, knowledge, attitudes, behaviors, and/or responsibilities.
Work Experience	WRK	303	Students will apply critical thinking, technology competence and problem solving skills to solve workplace problems.
Work Experience	WRK	303	Students will develop and apply professionalism and work ethic skills including personal accountability, time management, punctuality, collegiality, and effective communication in the workplace.
Work Experience	WRK	304	Students will apply critical thinking, technology competence and problem solving skills to solve workplace problems.
Work Experience	WRK	304	Students will create and implement four SMART learning objectives that include new or expanded occupational workplace skills, knowledge, attitudes, behaviors, and/or responsibilities.
Work Experience	WRK	304	Students will develop and apply professionalism and work ethic skills including personal accountability, time management, punctuality, collegiality, and effective communication in the workplace.
Work Experience	WRK	300HM	Apply professionalism and work-ethic skills essential to the restaurant management industry, including personal accountability, time management, punctuality, collegiality, and effective communication.
Work Experience	WRK	300HM	In consultation with course instructor, identify and implement one learning objective (per unit) that will include new or expanded skills in restaurant management.
Work Experience	WRK	300TN	Apply professionalism and work-ethic skills essential to the mass transit industry, including personal accountability, time management, punctuality, collegiality, and effective communication.
Work Experience	WRK	300TN	In consultation with course instructor, identify and implement one learning objective (per unit) that includes new or expanded skills in mass transit operations.