LVN 034  INTERMEDIATE CLINICAL PRACTICUM 4.0 UNITS
Total Lab: 216 hours
Prerequisite: ENG 001A; LVN 021 and LVN 021A Students must complete all nursing course with 75% score or higher
Corequisite: LVN 031; LVN 032 and LVN 033 Students must complete all nursing course with 75% score or Higher
Acceptable for credit: California State University
This course provides the nursing student with directed clinical experiences in acute care hospitals and a variety of community healthcare agencies for adult and geriatric patients/clients. The nursing student learns to provide comprehensive, holistic patient/client care and teaching to assist the individuals who have acute or chronic illness in the medical-surgical and mental health/psychiatric settings in order to meet their health needs while incorporating the standards of professional practice and the Neuman Systems Model. Pass/No Pass Option.

LVN 041  ADVANCED MATERNAL-CHILD NURSING 2.0 UNITS
Total Lecture: 36 hours
Prerequisite: ENG 001A; LVN 031, LVN 032, LVN 033 Students must pass with a grade of 75% or higher; LVN 034
Corequisite: LVN 042; LVN 044, LVN 050 Students must pass with a grade of 75% or higher
Acceptable for credit: California State University
This course focuses on the nursing process as it relates to the child-bearing and child-rearing family. The nurse’s roles of provider, manager of care, and member of the profession are explored in meeting the needs of patients in labor and delivery, mother-baby, and pediatrics. This course focuses on assessing, developing, implementing and evaluating a plan of care that respects the individual’s cultural and ethnic child-bearing and child-rearing beliefs that have an impact on the hospitalized child and family. Simulated practice of nursing skills in a nursing simulation laboratory is required. This course is approved for credit by exam. Grade only.

LVN 042  ADVANCED MEDICAL-SURGICAL/LEADERSHIP NURSING 3.0 UNITS
Total Lecture: 54 hours
Prerequisite: ENG 001A; LVN 031, LVN 032, LVN 033 Students must pass with a grade of 75% or higher; LVN 034
Corequisite: LVN 044; LVN 041, LVN 050 Students must pass with a grade of 75% or higher.
Acceptable for credit: California State University
This course focuses on advanced application of the nursing process in the care of critically ill adult and geriatric patients. The students have an opportunity to integrate and apply previously learned skills and knowledge from all areas of nursing practice. Content includes leadership theory and application, delegation, priorities, and time management. Grade only.

LVN 044  ADVANCED CLINICAL PRACTICUM 5.0 UNITS
Total Lab: 270 hours
Prerequisite: LVN 021, LVN 021A, LVN 032, LVN 033, LVN 034
Corequisite: LVN 041, LVN 042 and LVN 050
Acceptable for credit: California State University
This course provides the nursing student with directed clinical experiences for maternal-child and pediatric patient/clients as well as adult and geriatric patients/clients in acute care hospitals and a variety of community healthcare agencies. The nursing student will provide comprehensive, holistic patient/client care and teaching to assist the individuals who have acute or chronic illness in the medical-surgical setting as well as provide maternal-child nursing care for patients in labor and delivery, mother-baby, and pediatrics settings to meet their health needs while incorporating the standards of professional practice and the Neuman Systems Model. Pass/No Pass Only.

LVN 050  LEADERSHIP AND ETHICS 1.0 UNIT
Total Lecture: 18 hours
Prerequisite: ENG 001A; LVN 031, LVN 032, LVN 033 Students must pass with a grade of 75% or higher; LVN 034
Corequisite: LVN 041, LVN 042 Students must pass with a grade of 75% or higher; LVN 044
Acceptable for credit: California State University
This course introduces principles of leadership and supervision as they apply to the registered nurse. The focus is on the role of the registered nurse as a member of the health care team and supervisor of vocational nurses and unlicensed health care team caregivers. Students address basic ethical concepts, principles, justification, and reasoning and apply them to ethical issues and cases involving professionalism, confidentiality, veracity, paternalism, and informed consent in the context of nursing situations. Grade only.

NUTRITION & SCIENCE (NTR)

NTR 015  HUMAN NUTRITION 3.0 UNITS
Total Lecture: 54 hours
Advisory: Students should have basic arithmetic skills
Acceptable for credit: University of California, California State University
This course is designed to teach basic scientific principles as they apply to human nutrition in maintaining health and preventing disease. Biochemical functions and inter-relationships between nutrients in the body are examined. Current nutritional controversies are evaluated. Students develop and increase their analytical and evaluative skills by completing a nutritional self-study during the course. This course may also be offered via distance learning. This course is approved for credit by exam. Pass/No Pass Option. C-ID # NUTR 110. CSUGE: E.

NTR 040  NUTRITION AND DISEASE 3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: California State University
This course is designed to teach basic scientific principles of human nutrition as they relate to disease treatment. Biochemical functions and interrelationships between nutrients and the body are examined. Theories related to medical nutrition therapy are discussed. The course is designed for individuals entering the healthcare field or for those with an interest in diet and disease. This course may also be offered via distance learning. Pass/No Pass Option.

PHILO (PHI)

PHI 001  INTRODUCTION TO PHILOSOPHY 3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This course is an introduction to some philosophical problems and the various approaches to their solutions. The student is exposed to selected traditional philosophical systems with emphasis upon how these systems are relevant to solving the problems of contemporary existence. Among the questions explored in the course are: What is reality? What is the nature of human beings? What makes an act right or wrong? Are human actions free or determined? What is knowledge? This course may be offered via distance learning. Pass/No Pass Option. CSUGE: C2; IGETC: 3B.

PHI 002  INTRODUCTION TO LOGIC 3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This course is an introduction to the techniques of traditional and modern logic comprising both deductive and inductive inference. Students are introduced to techniques for evaluating the quality and correctness of a chain of thought. The aim is to improve one’s ability to read critically and to recognize and avoid logical errors. This class demonstrates that there are right and wrong
ways to reason, and that good reasoning is a skill that can be developed and improved. This course may be offered via distance learning. Pass/No Pass Option. C-ID # PHIL 110. CSUGE: A3.

PHI 003  INTRODUCTION TO ETHICS  3.0 UNITS
Total Lecture: 54 hours
Prerequisite: ENG 001A
Acceptable for credit: University of California, California State University
This course critically examines questions of value and obligation. Students explore prominent ethical theories, including Kantianism, the Utilitarians and virtue ethics. The student then applies these ethical theories to case studies, such as bioethics and environmental ethics. Much of the course is devoted to critical thinking and writing skills. This course is approved for credit by exam. Pass/No Pass Option. C-ID # PHIL 120. CSUGE: A3, C2; IGETC: 1B.

PHI 005  INTRODUCTION TO SOCIAL AND POLITICAL PHILOSOPHY  3.0 UNITS
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This course introduces students to a critical study of some major social and political problems. What is society? What is a state? What is freedom? What is authority? What is the nature of political obligation? What constitutes justice? What constitutes a right? What are the relationships, if any, between the individual and society? This course is cross-listed as POL 003. This course may be offered via distance learning. Pass/No Pass Option. CSUGE: C2, D2; IGETC: 3B, 4G.

PHYSICS (PHY)

PHY 002A  GENERAL PHYSICS - MECHANICS AND THERMODYNAMICS  5.0 UNITS
Total Lecture: 72 hours, Total Lab: 54 hours
Prerequisite: MAT 000D or higher.
Acceptable for credit: University of California, California State University
This is the first lecture/lab course in physics for majors in subjects other than engineering or the physical sciences. Topics covered include Newton's laws of motion, dynamics of rigid bodies, the concepts of potential and kinetic energy, momentum, thermodynamics, hydrodynamics, and wave motion. Analytical solutions of numerical problems at the trigonometric and algebraic level are emphasized. NOTE: UC credit may be limited. See a counselor. Materials Fee. Grade only. C-ID # PHYS 100S. CSUGE: B1; IGETC: 5A.

PHY 002B  GENERAL PHYSICS - ELECTRICITY, MAGNETISM AND OPTICS  5.0 UNITS
Total Lecture: 72 hours, Total Lab: 54 hours
Prerequisite: PHY 002A
Acceptable for credit: University of California, California State University
This lecture/lab course is a continuation of PHY 002A as a lecture/lab course with the study of electricity, magnetism, geometrical and wave optics and atomic physics. NOTE: UC credit may be limited. See a counselor. Materials Fee. Grade only. C-ID # PHYS 100S. CSUGE: B1; IGETC: 5A.

PHY 004A  ENGINEERING PHYSICS-MECHANICS 5.0 UNITS
Total Lecture: 72 hours, Total Lab: 54 hours
Prerequisite: MAT 003A
Acceptable for credit: University of California, California State University
This course in mechanics, the first in a series of engineering physics courses, is a calculus-based study of forces, energy and momentum. Kinematic problems are solved using position, velocity and acceleration. Conservation of momentum and energy is applied to moving and interacting systems, rotational mechanics, simple harmonic motion, gravity, mechanical properties of matter, fluid statics and dynamics. Materials Fee. Grade only. C-ID # PHYS 205. CSUGE: B1; IGETC: 5A.

PHY 004B  ENGINEERING PHYSICS-ELECTRICITY AND MAGNETISM  4.0 UNITS
Total Lecture: 54 hours Total Lab: 54 hours
Prerequisite: PHY 004A and PHY 003B
Acceptable for credit: California State University, University of California
This lecture/laboratory course is the second in the calculus-based engineering physics series. The course continues the concept of field theory and develops the concepts of Maxwell's equations. Topics include: Coulomb's Law, Gauss' Law, Electric Potential, Biot-Savart Law, Ampere's Law, and Faraday's Law. Kirchhoff's Laws and AC circuits are introduced. Solutions to numerical and theoretical problems are emphasized at the calculus level. Grade only. C-ID # PHYS 210. CSUGE: B1; IGETC: 5A.

PHY 004C  ENGINEERING PHYSICS-LIGHT AND HEAT  4.0 UNITS
Total Lecture: 54 hours Total Lab: 54 hours
Prerequisite: MAT 003B PHY 004A
Acceptable for credit: California State University, University of California
This lecture/laboratory course is the third semester in the engineering physics series. The course content includes thermodynamics, geometrical and wave optics, atomic and modern physics. The dual nature of light is investigated in lecture and laboratory by the use of interference and diffraction effects. The laws of heat transfer, thermodynamics, and the Carnot cycle are covered. Numerical and theoretical solutions to problems are emphasized. Materials Fee. Grade only. C-ID # PHYS 215. CSUGE: B1; IGETC: 4C.

PHY 004D  ENGINEERING PHYSICS-ATOMIC  2.0 UNITS
Total Lecture: 36 hours
Prerequisite: PHY 004B
Acceptable for credit: University of California, California State University
This course is an introduction to quantum physics with an emphasis on the electronic structure of atoms and solids, waves and particle duality, statistics, band theory, radiation and relativity. This course is approved for credit by exam. Grade only. CSUGE: B1.

PHY 010  INTRODUCTION TO PHYSICS  4.0 UNITS
Total Lecture: 54 hours, Total Lab: 54 hours
Prerequisite: MAT 903, MAT 903M, high school algebra 1 with a C or better, or equivalent
Advisory: MAT 903
Acceptable for credit: University of California, California State University
This is a conceptual course in physics, including the development of fundamental concepts as applied to everyday phenomena, from a limited mathematical perspective, emphasizing verbal logic, critical analysis, and rational thought. The topics included in this course are mechanics, thermodynamics, electricity and magnetism, optics, and modern physics. Grade only. CSUGE: B1; IGETC: 5A.