

PHSC 105 (1911) Physical Science KRSN PSI1010**

Prerequisite: MATH 096 Beginning Algebra or higher

Credit Hours: 5

A survey course that emphasizes physics, chemistry, earth science, and astronomy. Designed for the student whose concentration is not in a science or engineering field, but who needs to fulfill a laboratory science requirement. Not open to those who have any college credit in chemistry or physics.

Physics or Engineering

All 5 Credit Hour Physics courses include a Lab.

PHYS 201 (1931) College Physics I KRSN PHY1010**

Prerequisite: MATH 115 College Algebra (C or better)

Credit Hours: 5

Physics I is the study of translational and rotational motion, force, work, mechanical and thermal energy, linear and angular momentum, and fluid mechanics using the tools of algebra and trigonometry.

PHYS 203 (0901) Engineering Physics I KRSN PHY1030**

Prerequisite: Concurrent enrollment in or completion of MATH 130 Calculus I

Credit Hours: 5

Physics I is the study of translational and rotational motion, force, work, mechanical and thermal energy, linear and angular momentum, and fluid mechanics using the tools of algebra, trigonometry, and calculus.

PHYS 205 (1932) College Physics II KRSN PHY2020**

Prerequisite: MATH 125 Trigonometry and PHYS 201 College Physics I

Credit Hours: 5

Physics II is the continuation of Physics 201 using the tools of algebra and trigonometry. Topics covered in this course will include electricity and magnetism, waves, optics, and an introduction to modern physics.

PHYS 208 (0902) Engineering Physics II KRSN PHY2030**

Prerequisite: Concurrent enrollment in or completion of MATH 131 Calculus II.

Credit Hours: 5

Physics 208 is the continuation of Physics 203 using the tools of algebra, trigonometry, and calculus. Topics covered in this course will include electricity and magnetism, waves, optics, and an introduction to modern physics.

Political Science

POLS 105 (2270) American Government KRSN POL1020**

Prerequisite: None

Credit Hours: 3

A general, systematic study of the development and structure of the American national government, with emphasis on the actual workings. Serves as a foundation for other political science courses.

POLS 106 International Relations KRSN POL1030**

Prerequisite: None

Credit Hours: 3

Study of significant events, forces and trends in national and international affairs, with an emphasis on interpretation of those current events.

The course will look at International Relations as a discipline and look at the conflicts and cooperation between different nation states, their leaders and how they relate to one another.

Students will study history, geography, military power, terrorism, military and political conflicts and various nations positions on international topics.

*Refer to the Placement Testing Procedure 3.22, page 22 **Refer to Course Transfer, page 17

This course is designed to help students understand the world around them by having a better understanding of geography different political philosophies, and alliances between nations. By having such an understanding, students will have a better idea of their role in the world as citizens of the United States. In addition to these topics, students will examine daily stories in international events as ongoing course topics to emphasize course material. Students will be asked to participate in daily discussion on those current events.

Psychology

PSYC 101 (2010) General Psychology KRSN PSY1010**

Prerequisite: None

Credit Hours: 3

This course surveys the field of human psychology. It is the first course offered in psychology and, as such, it introduces the student to the fundamental methods and points of view in the scientific study of human behavior.

PSYC 201 (2090) Developmental Psychology KRSN PSY2020**

Prerequisite: PSYC 101 General Psychology or instructor's permission

Credit Hours: 3

The subject matter of Developmental Psychology is the human life cycle, the prenatal and newborn periods, infancy, childhood (early and late), adolescence, and adulthood. This branch of psychology explores the ways in which human physical growth and intellectual and social behavior change over time.

PSYC 202 (2091) Psychology of Adjustment

Prerequisite: PSYC 101 General Psychology

Credit Hours: 3

Psychology of Adjustment is designed to provide a basic understanding and practical application of the psychological principles and concepts that are most relevant to the student as an individual, and as an individual in society. The student will be encouraged to apply these concepts to their life and to develop a fuller understanding of themselves, and their personal and social relationships. Students will look at the theory of adjustment, personal learning style, lifespan influences, managing stress and wellness, social relationships, work and leisure including aspects of solitude. This is an interactive, writing intensive course which requires written assignments as well as personal and group interaction as a major strategy of learning. The objective of this course is to promote psychological adjustment and mental health by personally relating to the psychological principles and studies presented. Please be aware that personal discussions and open sharing is expected from each student during this class. You will be provided with an ethical contract to maintain confidentiality and professionalism in this course. Each student is viewed as a Learner/Peer/Teacher. Your contributions are valued and are expected as a standard in this class.

Radiography

RADI 101 (5233) Introduction to Radiography, Ethics and Law

Prerequisite: Acceptance into Radiography Program

Credit Hours: 2

Introduction to health care with emphasis on radiologic technology. Principles of radiography, radiation protection, ethics, health records and information, and law will be presented. A two week orientation is also incorporated into this course.

RADI 103 (5234) Radiographic Procedures I

Prerequisite: Acceptance into Radiography Program

Credit Hours: 1

Content is designed to provide the knowledge base necessary to perform standard imaging procedures, including special studies. Consideration is given to the evaluation of optimal diagnostic images. In this course the radiographic positioning and anatomy of the chest and abdomen will be covered.

*Refer to the Placement Testing Procedure 3.22, page 22 **Refer to Course Transfer, page 17