

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 PHY2020/2021/2022\*\*

Placement Test Level: General Education Course Placement\*

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

Placement Test Level: General Education Course Placement\*

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 103 (2271) State and Local Government

Placement Test Level: General Education Course Placement\*

Prerequisite: None

Credit Hours: 3

State and Local Government is designed to introduce students to our federal system of government, and it specifically instructs students in the Constitutional basis for State and Local Governments as well as their structure and mechanics. The course emphasizes basic questions about the forces that produce order, conflict, and change in government. State and Local Government is recommended for political science majors, pre-law students, criminal justice students and all students who want an understanding of the processes, functions and institutions of our system of government below the National Government level.

POLS 105 (2270) American Government KRSN POL1020\*\*

Placement Test Level: General Education Course Placement\*

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.

## Psychology

PSYC 101 (2010) General Psychology KRSN PSY1010\*\*

Placement Test Level: General Education Course Placement\*

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\*\*

Placement Test Level: General Education Course Placement\*

Prerequisite: PSYC 101 General Psychology or instructor's permission

Credit Hours: 3

\*Refer to the Placement Testing Procedure 3.22, page 24 \*\* Refer to Course Transfer, page 18

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

Placement Test Level: General Education Course Placement\*

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 historical review of health care with emphasis on Radiologic technology. Principles of radiography, radiation protection, ethics, and law will be presented. A two week clinical 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.

RADI 104 (5235) Radiographic Procedures II

Prerequisite: RADI 103 Radiographic Procedures I

Credit Hours: 3

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 anatomy and positioning of the following body parts will be covered the upper extremity, shoulder girdle, lower extremity, pelvic girdle, bony thorax, and the spine.

RADI 105 (5236) Radiographic Procedures III

Prerequisite: RADI 104 Radiographic Procedures II

Credit Hours: 3

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 radiographic positioning of the skull and special radiographic procedures will be included. Surgical, Mobile, Trauma, and Pediatric Radiographic techniques will also be covered.

RADI 107 (5237) Radiographic Imaging I

Prerequisite: Acceptance into Radiography Program

Credit Hours: 1

Introduction to clinical radiography including radiographic equipment design and use, radiation protection, image acquisition, and image processing.

\*Refer to the Placement Testing Procedure 3.22, page 24 \*\* Refer to Course Transfer, page 18