

University of South Alabama
Pre-Requisite and Bonus Courses for OT
USA Course Descriptions

BONUS-OT 201 Introduction to Occupational Therapy 3 cr

An introduction to the occupational therapy profession and the scope of occupational therapy practice. Includes self-assessment and development strategies to enhance students' readiness for the professional component of the occupational therapy curriculum. Familiarizes students with the functions, policies and services of the University, College and Department and includes an exploration of related allied health professions.

REQUIRED:

ST 210 STAT REASON AND APPLICATION 3 cr

An introduction to modern statistics designed to provide the student with a solid foundation in statistical concepts, reasoning and applications. Emphasis given to problem identification, methodology selection and interpretation of results. Analysis of data accomplished by extensive use of statistical computer software, thereby minimizing manual computation. Coverage includes descriptive statistics, probability models, estimation, and hypothesis testing. High School level algebra is recommended. Computer Lab fee. NOTE: ST 210 is intended for students in all disciplines except Engineering and Computer Science. Credit for both ST 210 and ST 315 not allowed. May be offered for Honors Credit.

PSY 250 LIFE SPAN DEVELOPMENT 3 cr

An overview of human development from conception to death. Special emphasis will be placed on cognitive and social development. Core course.

PSY 340 ABNORMAL PSYCHOLOGY 3 cr

Nature and development of deviant behavior.

Pre-requisite: (PSY 120 Minimum Grade of D or PSY 121 Minimum Grade of D or PSY 210 Minimum Grade of D).

BMD 251 HUMAN ANATOMY & PHYSIOLOGY I 4 cr

This is the first of a two-course sequence that covers basic human anatomy and physiology, including the study of the structure and function of various body systems. Included is a study of basic principles of organism homeostasis, biochemical makeup, a study of cells and tissue, cellular metabolism, joints, the

integumentary, and skeletal systems, muscular and nervous systems, and the senses. Laboratory experiences are provided through demonstration and interactive (virtual) laboratories.

Pre-requisite: BLY 101 Minimum Grade of C or BLY 121 Minimum Grade of C or CH 100 Minimum Grade of C or CH 131 Minimum Grade of C.

BMD 252 HUMAN ANATOMY & PHYSIOLOGY II 4 cr

A continuation of BMD 251. Topics include nervous, cardiovascular, lymphatic, immune, respiratory, digestive, and urinary systems. Additional topics may include blood, metabolism, immunology and reproduction. Laboratory experience is provided through demonstration and interactive (virtual) laboratories.

Pre-requisite: BMD 251 Minimum Grade of C.

KIN 380 KINESIOLOGY 3 cr

Theory and application of the mechanical and anatomical principles of human movement.

Pre-requisite: BMD 114 Minimum Grade of D or BMD 110 Minimum Grade of C or BMD 251 Minimum Grade of C.

OR

PH 114 PHYSICS WITH ALGEBRA-TRIG I 5 cr

First semester of a two-semester introductory course in algebra/trigonometry-based physics with laboratory and recitation. This course covers mechanics and thermodynamics: one- and two-dimensional motion, vectors, Newton's laws of motion, work and energy, momentum and collisions, circular motion, rotational motion, properties of solids and fluids, the laws of thermodynamics, kinetic theory of matter, simple harmonic motion, and wave motion. The laboratory uses computerized data acquisition and analysis for most of the experiments. Students must take PH 114L concurrently and pass the lab. The PH 114L grade is a component of the PH 114 course grade. Fee. Core course.

Co-requisite: PH 114L

Pre-requisite: ACT Math 25 or MA 113 Minimum Grade of D or MA 115 Minimum Grade of D or MA 125 Minimum Grade of D or MA 120 Minimum Grade of D.

PH 114L ALG-TRIG BASED PHYSICS I LAB 0 cr

Laboratory course for the first semester of a two-semester introductory sequence in algebra/trigonometry-based physics. Student must pass this laboratory course to receive a passing grade in the PH 114 course. Students must take PH 114L concurrently with PH 114 and pass the lab. The PH 114L grade is a component of the PH 114 course grade.

Co-requisite: PH 114