

# OTD Approved Course Descriptions

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## Human Anatomy & Physiology I with Lab (TCCNS BIOL 2401)

### Human Anatomy & Physiology I Lecture (TCCNS BIOL 2301)

An applied systematic study of the structure and function of the human body designed for students considering a career in the health professions. Anatomical terminology and the structure and function of cells, tissues, and the body systems such as integumentary, skeletal, muscular, nervous and sensory organs in covered.

### Human Anatomy & Physiology I Lab (TCCNS BIOL 2101)

Structure and function of the human body including anatomical terminology, cells, tissues, integumentary, skeletal, muscular, nervous, and sensory organ systems.

## Human Anatomy & Physiology II with Lab (TCCNS BIOL 2402)

### Human Anatomy & Physiology II Lecture (TCCNS BIOL 2302)

A continuation of Human Anatomy and Physiology I designed for students considering a career in the health professions. The structure and function of the following body systems are covered: digestive, respiratory, cardiovascular, endocrine, immune, renal, and reproductive.

### Human Anatomy & Physiology II Lab (TCCNS BIOL 2102)

Structure and function of the human body including digestive, respiratory, cardiovascular, endocrine, immune, renal, and reproductive systems.

## Physics I Lecture (TCCNS PHYS 1301)

Provides the fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sounds, physical systems, Newton's Laws of Motion, and gravitation, and other fundamental forces; with emphasis on problem solving.

## Kinesiology Lecture (TCCNS Not Applicable)

*Courses from a 2-year college will not meet this requirement and must be taken at a 4-year institution.*

### Biomechanics (TCCNS Not Applicable)

The study of the human body in sports motion and sport objects in motion. The application of mechanical principles, kinematics, and kinetics.

### Motor Learning (TCCNS Not Applicable)

Functional applications of motor control and learning theory in skill instruction and sports performance.

### Motor Development (TCCNS Not Applicable)

A study of motor, physical, and neuromuscular development across the human life span. Effects of social, cognitive, growth and maturation, and aging factors on motor development will be addressed.

### Abnormal Psychology (TCCNS PSYC 2320)

Survey of behavior pathology; functional and organic psychoses, psychoneurosis, character disorders, psychophysiological disorders, alcohol and drug addiction and mental retardation; therapeutic and diagnostic methods.

### Developmental Psychology (TCCNS PSYC 2314)

Problems, methods, major theories, and results in the study of the psychological development of the individual from the prenatal period to old age.

### Sociology Lecture (TCCNS SOCI 1301) or Anthropology Lecture (TCCNS ANTH 2351)

#### Introduction to Sociology (TCCNS SOCI 1301)

Introduction to theoretical perspectives and research pertaining to society and to the relationship between society and the individual. Covers the basic elements of society, such as culture, social structure, social groups, social class, race, gender, social institutions, social processes, and social change.

#### Cultural Anthropology (TCCNS ANTH 2351)

This course introduces the student to a holistic study of culture. The major elements of human social behavior, material culture, and cultural diversity are studied as adaptations to social and environmental change--past and present.

### Statistics (TCCNS MATH 1342 or MATH 1442 or PSYC 2317)

A course covering linear and quadratic equations, inequalities, functions and their graphs, logarithms, systems of equations, and applications of mathematics. Special emphasis on statistical concepts including linear and quadratic regression, distributions confidence intervals, & hypothesis testing.

### Medical Terminology (TCCNS Not Applicable)

This course examines the word roots, prefixes, suffixes and terms used in medicine and clinical exercise. A major focus will be on the terms used in the major organ systems of the body, diseases, injuries, and medical treatments.