

# LIBERTY UNIVERSITY

## ONLINE ACADEMY

### Health Sciences Certificate - Course Descriptions

#### **HLTH 105 (HPE 3105) – Intro to Health Professions**

A survey of the health professions and requirements for educational, job and market demands in selected health careers, including health promotion philosophy, goals, history and development.

*College Credits: 3*

*LUOA High School Equivalency: Health/PE*

*Sub-term Availability: B/C/D*

#### **HLTH 221 (HPE 3221) – Applied Human Anatomy & Physiology I**

An examination of the structure, function, and pathology of the various body systems and their roles, relevance, and applications in health and illness. The course will employ virtual interactive cadaver dissection technology. The following topics are covered: introduction to the human body; the chemistry of life; the cells, tissues, and organization of the body; the blood; the cardiovascular system; the lymphatic system; the nervous system; the special senses; the endocrine system; and the respiratory system.

*College Credits: 3*

*LUOA High School Equivalency: Science*

*Sub-term Availability: B*

#### **HLTH 222 (HPE 3222) – Applied Human Anatomy & Physiology II**

A continuation of HLTH 221 that examines the structure, function, and pathology of the various body systems and their roles, relevance, and applications in health and illness. The course will employ virtual interactive cadaver dissection technology. The following topics are covered: introduction to nutrition; the digestive system; the urinary system; the skin; resistance and immunity; the musculoskeletal system; introduction to genetics; and the reproductive systems.

*College Credits: 3*

*LUOA High School Equivalency: Science*

*Sub-term Availability: D*

*Course Prerequisites: HLTH 221*

#### **HLTH 252 (HPE 3252) – Drugs in Society**

An examination of alcohol, tobacco and other drugs effects upon individual, school, and community.

*College Credits: 3*

*LUOA High School Equivalency: Health/PE*

*Sub-term Availability: B/D*

#### **HLTH 330 (HPE 3330) – Human Nutrition**

Chemical structure, function, digestion, metabolism and biochemical interrelationships of nutrients relating to life cycle, current issues and diet selection.

*College Credits: 3*

*LUOA High School Equivalency: Health/PE*

*Sub-term Availability: B/D*

**HLTH 380 (HPE 3380) – Health Promotion for Aging Populations**

The study of the process of aging and the interrelationships among the five dimensions of health as they relate to aging. Emphasis is placed on health promotion and disease prevention at all ages as the path to living a full life in later years.

*College Credits: 3*

*LUOA High School Equivalency: Health/PE*

*Sub-term Availability: B/D*