

COURSES FOR HEALTH SCIENCE

Athletic Training Courses

ATR257 Intro to Athletic Training

Hours 3

The study of current principles in the prevention; examination, assessment and diagnosis; immediate and emergency care; and therapeutic intervention of injuries and illnesses.

ATR258 Clinical Fundamentals

Hours 1

The study and practice of clinical skills in the prevention; examination, assessment and diagnosis; immediate and emergency care; and therapeutic intervention of injuries and illnesses. Directed observations under the guidance of BOC certified athletic trainers.

Prerequisite(s): ATR 257

ATR272 First Aid, Safety & CPR

Hours 1

The discussion and practice of skills and techniques in the emergency response to injuries and illnesses. Includes emergency assessment, first aid, cardiopulmonary resuscitation for infants, children and adults and AED use.

ATR300 Foundations in AT

Hours 3

Study and discussion of topics and clinical skills related to the prevention; examination, assessment and diagnosis; immediate and emergency care; and therapeutic intervention of injuries and illnesses. Introduction to healthcare administration.

Prerequisite(s): ATR 257 and ATR 258

ATR305 Clinical Biomechanics for Healthcare Professionals

Hours 3

This course is a review of external and internal forces on the body. It will explore both the statics and dynamics of motion including kinetics and kinematics. This course will also explore a variety of issues of human movement related to exercise/sport and injury.

Prerequisite(s): ATR 300, BSC 215

ATR310 Clinical Skills I

Hours 1

Acquisition, evaluation, synthesis and application of clinical skills in the prevention; examination, assessment and diagnosis; immediate and emergency care; and therapeutic intervention of injuries and illnesses. Clinical experiences under the direct supervision of BOC Certified and Alabama Licensed Athletic Trainers.

Prerequisite(s): ATR 257 and ATR 258 and ATR 272

Prerequisite(s) with concurrency: BSC 215 and NHM 315 and ATR 300

ATR312 Interdisciplinary Healthcare Teams in Sports Medicine

Hours 2

The focus of the course is to learn about the role of various healthcare professionals within the Sports Medicine team and how to interact as a healthcare team to improve patient care.

Prerequisite(s): ATR 258

ATR405 Psychological Aspects of Injury

Hours 3

This course allows students to explore, develop and refine their personal values and ethical foundations as they relate to the psychosocial aspects of healthcare and professional practice. Special emphasis is placed on the psychology of injury and catastrophe, recognition of psychological conditions, counseling and intervention strategies, and the utilization of mental imagery and other psychological skills. Exploration of professionalism, leadership, communication, diversity, inter-relationships between patients, families and the medical community, stress management, burnout, and ethical questions associated with injury, sport and general healthcare also are discussed.

Prerequisite(s): ATR 300

ATR415 Scientific Reading and Writing in Athletic Healthcare W

Hours 3

The acquisition and application of advanced literature search and scientific literature interpretation skills. The refinement of scientific writing skills as they relate to the development and completion of a scientific proposal paper. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): EN 101 and EN 102 OR EN 103 OR EN 104, ATR 300

Writing

ATR432 Applied Performance Physiology

Hours 3

This course is designed to present up-to-date information regarding the human physiological response to exercise, as well as the applied aspects of strength and conditioning and the scientific principles that guide this practice. Students will gain knowledge in how to perform pre-exercise assessments, develop appropriate exercise training programs based on these assessments, as well as lead and demonstrate safe and effective methods of exercise by the application of the primary theories and principles of exercise science. This course will also introduce methods of patient assessment and reducing the risk of injury. A combination of lecture and practical class sessions will be used.

Prerequisite(s): ATR 300, BSC 215

ATR453 Appl Clin Res Skills

EXP

Hours 3

Acquisition, evaluation, synthesis and application of clinical, research and teaching skills in athletic training with an emphasis on clinical question development and the incorporation of evidence based practice in resolving clinical questions and developing and implementing patient care plans. Clinical experiences under the direct supervision of allied medical and medical professionals in a range of patient care settings.

Prerequisite(s): ATR 300 and ATR 415

Experiential Learning

ATR488 Internship in Athl Training

EXP

Hours 1-12

Directed internship in a health care facility for the senior athletic training student.

Experiential Learning

ATR496 Ind Study Athletic Training

SP

Hours 1-12

Independent study of skills and topics in athletic training for the senior athletic training student.

Special Topics Course

General Health Studies Courses

HHE270 Personal Health

Hours 3

A thoughtful discussion of individual, social, environmental, and political factors that influence personal health and well-being.

HHE280 Understanding Stress Management

Hours 3

The purpose of this course is to help students understand the role of stress in modern lifestyles. The stress process and its relationship to the total concept of health will be examined. The physical and psychological effects of stressors and individual appraisals will be explained using theoretical models and practical examples. Stress management techniques will be examined and taught.

HHE300 Human Health and Disease

Hours 3

Focus on the relationship between individual behavior and the pathophysiology of specific diseases. Emphasis on universal chronic and infectious diseases.

HHE350 Foundations of Public Health and Health Promotion

Hours 3

This course familiarizes students with all aspects of public health including core public health concepts, public health history, functions of governmental and non-governmental public health organizations, epidemiology, public health concerns across the lifespan, social determinants of health, culture and bias, health disparities, professional development in public health, and healthcare.

HHE360 Women's Health

Hours 3

Explores current women's health issues and covers a broad range of health issues of special importance to women.

Prerequisite(s): HHE 350 with a minimum grade of C- and (HHE 370 or HHE 300 with a minimum grade of C-)

HHE370 Prin/Foundatn Health Promotion

Hours 3

The course examines the role of health education/health promotion and includes an orientation to the profession and consideration of current trends, problems, and issues in health education.

HHE375 Health Behavior Theory

Hours 3

The purpose of this course is to examine the determinants of health-related behavior and discuss how health education/promotion theories and models are used in research and practice.

Prerequisite(s): HHE 350 with a minimum grade of C- and (HHE 370 or HHE 300 with a minimum grade of C-)

HHE378 Drugs, Society, and Human Behavior

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Hours 3

The purpose of this course is to provide an introduction to topics associated with drug use, primarily from a public health perspective. The course will address the effects of drug use on society and the individual, and examine physiological, psychological, and sociological aspects of this public health problem. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): HHE 350 C-

Writing

HHE379 Drugs, Society, and Human Behavior

Hours 3

The purpose of this course is to provide an introduction to topics associated with drug use, primarily from a public health perspective. The course will address the effects of drug use on society and the individual, and examine physiological, psychological, and sociological aspects of this public health problem.

Prerequisite(s): HHE 350 minimum of C- and HHE 370 or HHE 300 minimum of C-

HHE380 Public Health Systems and Policy

Hours 3

Local, state, and national public health policy and politics. Review and analysis of public and private health systems.

Prerequisite(s): HHE 350 minimum grade of C- and (HHE 370 or HHE 300 minimum grade of C-)

HHE395 Introduction to Global Health

Hours 3

The course will introduce students to the main concepts of the global health field. The course content covers principles and goals of global health; cross-cutting global health issues; the burden of disease; and, cooperating to improve global health. Students learn to think critically about the determinants of global health and what key factors influence disease burdens.

Prerequisite(s): HHE 350 minimum grade of C- and HHE 370 or HHE 300 minimum grade of C-

HHE445 Environmental Health

Hours 3

The course is designed to promote the acquisition of environmental health knowledge and skills for application in community/public health education settings. Course content will address environmental factors that affect human and ecological health and environmental health education and promotion strategies.

Prerequisite(s): HHE 350 min. grade of C- and (HHE 370 or HHE 300 min. grade of C-)

HHE446 Health Disparities

Hours 3

This course is designed to explore health disparities in the United States and throughout the world. Course content will address societal factors that have an impact on health disparities.

Prerequisite(s): HHE 350 minimum grade of C- and HHE 370 or HHE 300 minimum grade of C-

HHE450 Introduction to Epidemiology for Health Education and Promotion

Hours 3

An introductory course in epidemiology designed to promote an understanding of the analysis and application of epidemiological data for students in health professions with a primary focus on health education and promotion.

Prerequisite(s): HHE 350 minimum grade of C- and HHE 370 or HHE 300 minimum grade of C-

HHE468 Social Marketing in Public Health

Hours 3

A lecture/demonstration/discussion course designed to help health education specialists develop competencies in program applications, with particular attention to social marketing processes and communication strategies.

Prerequisite(s): HHE 375 or HHE 376

HHE470 Needs Assessment and Program Planning

Hours 3

This course examines the principles of conducting needs assessments and planning effective health promotion programs, including the implementation of sound prevention and health promotion strategies.

Prerequisite(s): HHE 375 or HHE 376

HHE472 Patient Health Education and Capstone

Hours 3

This course applies theories that relate to the practice of patient education in a variety of health care settings. Additionally, the course provides an overview of the U.S. health care industry. Emphasis is on education for promotion of health and change of lifestyle.

Prerequisite(s): HHE 375 or HHE 376

HHE475 Program Evaluation in Health Promotion

Hours 3

Designed to provide practical tools that can be used in real world settings, this course will examine methods to determine if and how a particular health-related program works. Emphasis will be placed on process and impact evaluation methods.

Prerequisite(s): HHE 375 or HHE 376

Prerequisite(s) with concurrency: HHE 470

**HHE480 Culminating Experience in Public Health
EXP**

Hours 3

The purpose of this course is to provide students in the Public Health program with opportunities to apply public health and health education/promotion concepts presented during their undergraduate courses. This course includes observations, applications, and reflections of those concepts in professional practice.

Prerequisite(s): HHE 375 or HHE 376, Instructor Permission Required

Prerequisite(s) with concurrency: HHE 468

Experiential Learning

**HHE484 Capstone Internship in Community Health
EXP**

Hours 6

Directed internship in a community health agency, business, clinic, or other health-related setting; observation and on-the-job experience through direct participation.

Prerequisite(s): (HHE 375 or HHE 376) and HHE 470 and HHE 475 or Instructor Permission

Prerequisite(s) with concurrency: HHE 468

Experiential Learning

**HHE488 Capstone Internship Community Health
EXP**

Hours 12

Directed internship in a community/public health agency, or other health-related setting; professional experience through direct participation.

Prerequisite(s): HHE 468, HHE 470, HHE 475

Experiential Learning

HHE490 Certified Health Education Specialist Study Course

Hours 3

Course is designed to help students develop and/or refine skills related to the planning, implementation, and evaluation of health education programs in various settings. Completion of the course is also intended to prepare students for the Certified Health Education Specialist examination.

Prerequisite(s): HHE 375 or HHE 376

Prerequisite(s) with concurrency: HHE 468

HHE493 Research in Public Health

Hours 3

This course allows students to gain applied experience in public health research.

Prerequisite(s): HHE 375 or HHE 376, Instructor Permission

Prerequisite(s) with concurrency: HHE 468

HHE495 Field Study in International Health

Hours 3-6

This study abroad program offers learners unique insight and exposure to public health status and systems abroad.

HHE496 Independent Study

SP

Hours 1-6

Designed to provide the opportunity for independent work in any area of health education/health promotion.

Special Topics Course