

ALLIED HEALTH SCIENCES (AHS)

AHS 1. AHS Advanced Standing Examination. 0-5 Credit Hours.

Advanced Standing Examination. May be repeated; maximum credit applicable toward degree, thirty hours. The College of Allied Health prepares and administers an advanced standing examination for specific courses.

Course Type: Lecture

AHS 2. Experiential Learning Credit. 1-5 Credit Hours.

May be repeated; maximum credit applicable toward degree, thirty hours. The College of Allied Health certifies that the following student having completed a minimum of 12 credit hours towards a Bachelor of Science degree in Radiation Sciences is being granted experiential learning credit of 30 hours.

Course Type: Independent Study

AHS 1400. Orientation To The Health Professions. 1-2 Credit Hours.

None. Orientation lectures offered on the Norman Campus will describe the unique characters of a variety of the health professions programs offered at the Health Sciences Center and will allow the student the opportunity to interact with health professionals at work in the health service environment.

Course Type: Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

AHS 3003. Interdisciplinary Leadership in Healthcare. 3 Credit Hours.

Prerequisites: Admissions to OU Health Sciences Campus. Cross Listed: DH 3003; NURS 3003; PHAR 3003 This course reviews cultural humility and interprofessional competence in health care. It provides the opportunity to learn how interprofessional health professionals can utilize cultural humility to address health disparities among an increasingly diverse population while providing the highest quality of care. (F, Sp, Su, Int III, IV) Course may not fulfil the Upper-Division General Education Req.

Course Type: Lecture

AHS 3302. Human Embryology. 2 Credit Hours.

Prerequisites: Admission to cytotechnology program or permission. The developing human from fertilization until birth, including gametogenesis and a brief review of congenital malformations of body systems.

Course Type: Lecture

AHS 3415. Clinical Anatomy. 5 Credit Hours.

Prerequisites: By Permission Multi-level Course: AHS 8415/PAT 7125 A comprehensive regional approach to human gross anatomy with emphasis on relationships between the systems and functional application to clinical medicine. Laboratory: comprehensive regional dissection of human cadavers with augmentation from x-rays, cross sectional anatomy, and surface anatomy.

Course Type: Lecture

AHS 3451. Medical Ethics. 1 Credit Hour.

Good ethical principles and the responsibilities entailed by becoming a member of the Allied Health profession. Emphasis includes an appreciation and understanding of the relationship of current ethical standards to the health care team and health care delivery.

Course Type: Lecture

AHS 4211. Library Tools. 1 Credit Hour.

Prerequisites: None A course in which students enhance their professional knowledge and abilities through learning to proficiently use library tools, such as on-line databases and electronic journals. In addition, student prepare technical analyses of research articles and format references using AMA format. This course includes on-line and on-site library activities.

Course Type: Independent Study

AHS 4261. Humanities in Allied Health. 1 Credit Hour.

Prerequisites: None May be repeated; maximum credit 3 hours. Multi-level Course: AHS 6261/AHS 7261 This is a discussion-based course based on the arts and literature that examine aspects of the human condition that are familiar to Allied Health professionals, including illness, mortality, ethics, and disability.

Course Type: Lecture

AHS 4433. Pathology. 3 Credit Hours.

Basic principles of Pathology are considered. Tissue changes encountered as a result of trauma, disease, tumors, and degenerative processes, together with the reparative processes seen in recovery. Gross and microscopic specimens are demonstrated.

Course Type: Lecture

AHS 4450. Applied Administration in the Health Professions. 1-9 Credit Hours.

Previous or concurrent enrollment in AHS 4452 or Permission. A variable credit course from one to nine hours offered by a disciplinary section within the college for experience in applying administrative theory process in the Allied Health professions. Learning strategies may include supervised or independent practicum; role play simulation; case studies; problem solving; discussion seminar; topical readings, and research. May be repeated with change in subject matter for a maximum of nine hours.

Course Type: Lecture

AHS 4452. Healthcare Management & Law. 2 Credit Hours.

Prerequisites: Admission to College of Allied Health or permission This course will define the theories of healthcare administration and discuss the management of legal and regulatory issues in the health care delivery system.

Course Type: Lecture

AHS 4470. Psychosocial Factors in Health Care Delivery. 1-2 Credit Hours.

Permission. Consideration of the ill and handicapped person and the psychosocial factors which may inhibit or facilitate the delivery of effective professional health care. Practical application of these principles through actual experiences including: field trips; patient interviews; video taping; small group discussions; role modeling; etc.

Course Type: Lecture

AHS 4571. Introduction to Research Methodology in Allied Health. 1 Credit Hour.

Enrolled in a College of Allied Health Program or Permission. To provide introductory information to the nature of research to include: the scientific method, nature of scientific and clinical literature, types of research, research methods (single subject design, multiple subject design, case study, true experimental design, quasi experimental design, non-experimental), double blind studies, independent and dependent variables, randomization, controls, descriptive statistics, inferential statistics, hypothesis testing, levels of significance, reliability, validity types of data, the ability to critique a published paper.

Course Type: Lecture

AHS 4950. Research in Allied Health. 1-4 Credit Hours.

Permission. Introduction to research techniques at the undergraduate level. With faculty guidance, research topics which can be completed within the semester will be selected by the students.

Course Type: Independent Study

AHS 4960. Directed Readings in Allied Health. 1-4 Credit Hours.

May be repeated; maximum credit four hours. Elective for students who wish to pursue library research on special topics in the Allied health field.

Course Type: Independent Study

AHS 4990. Problems in Allied Health. 1-4 Credit Hours.

Prerequisites: None May be repeated; maximum credit four hours. Elective for students who wish to devote time to delineating a special problem and to solving that problem with guidance from a faculty member. The course will be presented in either an independent study, lecture, or lecture and laboratory format.

Course Type: Independent Study

AHS 5153. Foundations of Evidence-Based Practice. 3 Credit Hours.

This course prepares students to use the scientific literature to make sound, evidence-based patient management decisions. The course focuses on skills needed to understand and apply the scientific literature.

Course Type: Lecture

AHS 5161. Seminar in Radiation Sciences. 1 Credit Hour.

Prerequisites: Permission May be repeated; maximum credit 2 hours. This intra-disciplinary core course will cover current issues related to practical problems occurring in clinical and research work in Radiation Sciences. It will include topics on professional education, professional practice and research.

Course Type: Lecture

AHS 5275. Neurobiology. 5 Credit Hours.

A study of basic anatomical and physiological principles of the nervous system to include, action potentials, resting membrane potentials, synaptic transmission, neurotransmitters, sensory systems, motor systems, coordination, pain mechanisms, apoptosis, neuronal regeneration, neural plasticity and clinical applications.

Course Type: Lecture

AHS 5930. Research Techniques. 3-6 Credit Hours.

Permission. Students without prior research experience participate in research with faculty and/or advanced doctoral students.

Course Type: Lecture

AHS 5950. Practicum in Medical Dosimetry. 1-4 Credit Hours.

Prerequisite: Permission. May be repeated; maximum credit 9 hours. Practicum for Medical Dosimetry is a clinical education course in which the student will participate in treatment planning, quality assurance and medical physics activities.

Course Type: Practicum

AHS 5980. Research for Master's Thesis. 2-4 Credit Hours.

Permission. Students conduct original research with the guidance and supervision of faculty.

Course Type: Independent Study

AHS 5990. Special Studies. 1-4 Credit Hours.

Prerequisites: None Students pursue small short-term research experiences or participate in a new course that has been submitted to the graduate council. Under extenuating circumstances, this course may substitute for a regular required course.

Course Type: Independent Study

AHS 6113. Ethics: Choices and Challenges. 3 Credit Hours.

Prerequisites: Permission. Interdisciplinary Allied Health course will present historical and philosophical foundation of ethics. Moral, social, and cultural basis of ethics will be examined, given choices and challenges in society and health care. Case examples will offer interdisciplinary choices and challenges.

Course Type: Discussion

AHS 6133. Application of Evidence Based Practice. 3 Credit Hours.

Prerequisites: Evidence Based Practice or Permission. Students conduct analysis of practice in a variety of Allied Health settings and present their findings and literature based recommendations. Students will complete a grant application addressing outcomes results.

Course Type: Lecture

AHS 6153. Teaching, Learning, and Technology. 3 Credit Hours.

This course will provide an educational experience to assist the student in understanding and applying related theory to the effective design, development, and delivery of instruction in a variety of learning environments. This course will use lecture, discussion, and web-based modules for instructional delivery.

Course Type: Lecture

AHS 6173. Qualitative Research. 3 Credit Hours.

Prerequisites: None. This course surveys the design and application of qualitative research. Topics include purposes and traditions; designs; process of data collection, analysis, and interpretation; integrity and trustworthiness; and issues of ethics. Students present a qualitative research project of limited scope and submit and present a qualitative research proposal of interest.

Course Type: Lecture

AHS 6193. Behavioral Approach to Motor Learning. 3 Credit Hours.

Behavioral, cognitive, and motor components of novel and skilled movement will be discussed. The contribution of memory, problem solving, attention, and motivation to motor learning will be explored. Specific applications will be made to the presence of mental illness, mental retardation, and dementia.

Course Type: Lecture

AHS 6233. Leadership in Allied Health Education. 3 Credit Hours.

Prerequisites: Permission. A lecture and discussion course that focuses on the tools, methodologies, and strategies required to be an effective faculty member in Allied Health learning environments.

Course Type: Lecture

AHS 6333. Grant Writing Health Profession. 3 Credit Hours.

This course will cover identification of sources of funding, development of a grant application, and regulations and procedures of the University and funding sources. Students will develop a grant proposal during the course.

Course Type: Lecture

AHS 6413. Research Methods. 3 Credit Hours.

Prerequisites: A basic research methods class and permission of the instructor. This course is for students in allied health professions who have completed a basic research methods course. It focuses on conceptual frameworks, research design, data collection, data analysis, and dissemination. The emphasis is on quantitative methods, with an overview of qualitative methods. Students design a research project during the course.

Course Type: Lecture

AHS 6950. Practicum in Allied Health Sciences. 2-6 Credit Hours.

Prerequisites: Permission. May be repeated; maximum credit 6 hours. Doctoral students participate in a psychomotor activity that advances their knowledge or experience in a relevant manner. The practicum may focus on, but is not limited to, teaching, other leadership activities, problem solving, research, and elements of clinical practice.

Course Type: Practicum

AHS 6960. Directed Readings. 1-3 Credit Hours.

Prerequisites: Permission of instructor. May be repeated with change of content; maximum credit 6 hours. Provide students with opportunity for independent study in subject areas beyond the program's regular curriculum. Involves literature reviews or in-depth reading in a specific topic.

Course Type: Independent Study

AHS 6970. Seminar in Allied Health Sciences. 1 Credit Hour.

Prerequisites: Permission. May be repeated; maximum credit 4 hours. Interdisciplinary Allied Health core course will cover current issues in Allied Health professional education, professional practice, research and health care delivery systems.

Course Type: Discussion

AHS 6980. Research for Doctoral Dissertation. 2-9 Credit Hours.

Prerequisites: Permission. May be repeated; maximum credit 30 hours. Students conduct original research.

Course Type: Independent Study

AHS 6990. Special Studies. 1-3 Credit Hours.

Prerequisites: Permission of instructor. May be repeated; maximum credit 6 hours. Doctoral students pursue small short-term research experiences of participate in a new course that has been submitted to the graduate council. Under extenuating circumstances, this course may substitute for a regular required course.

Course Type: Independent Study

AHS 7112. Pharmacology. 2 Credit Hours.

Prerequisites: By Permission. Crosslisted with AHS 3112. General introduction to the use of drugs as therapeutic agents in the framework of a systemic survey of major drug categories. Consideration of the factors affecting the intensity of drug action.

Course Type: Lecture

AHS 7261. Humanities in Allied Health. 1 Credit Hour.

Prerequisites: None May be repeated; maximum credit 3 hours. Multi-Level Course: AHS 4261/AHS 6261 This is a discussion-based course based on the arts and literature that examine aspects of the human condition that are familiar to Allied Health professionals, including illness, mortality, ethics, and disability.

Course Type: Lecture

AHS 7275. Neuroscience. 5 Credit Hours.

Prerequisites: AHS 3415 or MOT/MPT Prerequisite or Permission of Instructor. Basic anatomic and physiologic principles of the nervous system which includes nerve impulse propagation, synaptic transmission, microscopic anatomy, sensory systems, motor systems, vestibular systems, limbic systems, ANS, pain mechanisms, apoptosis, regeneration, early development of CNS and clinical application with case studies.

Course Type: Lecture

AHS 7433. Pathology. 3 Credit Hours.

No Prerequisites. May be repeated; maximum credit 3 hours. Basic principles of pathology are considered. Tissue changes encountered as a result of trauma, disease, tumors and degenerative processes, together with the reparative processes seen in recovery. Gross and microscopic specimens and demonstrated.

Course Type: Lecture

AHS 8112. Pharmacology. 2 Credit Hours.

Prerequisites: PHTH 8312; PHTH 8333; PHTH 8352; PHTH 8362 General introduction to the use of drugs as therapeutic agents in the framework of a systemic survey of major drug categories. Consideration of the factor affecting the intensity of drug action.

Course Type: Lecture

AHS 8274. Neuroscience. 4 Credit Hours.

Prerequisites: By instructor permission. The neuroscience course explores relationships between the brain, mind and behavior as it examines the central and peripheral nervous system. Content examines brain structures and the circuits they form, as well as development and function of ascending and descending sensory and motor pathways, in the presence of diseases or damage. (Spring I)

Course Type: Lecture

AHS 8415. Clinical Anatomy. 5 Credit Hours.

Prerequisites: By Permission Multi-level Course: AHS 3415/PAT 7125 This course is designed to teach physical therapy students human gross anatomy of the skeletal, muscular, and nervous systems. It will use a regional approach and focus on the upper extremity, lower extremity, abdominal walls, thoracic walls, pelvic wall and brain. Application to function will be stressed.

Course Type: Lecture

AHS 8433. Pathology. 3 Credit Hours.

Prerequisites: AHS 8415; PHTH 8112; PHTH 8133; PHTH 8152; PHTH 8153; PHTH 8171; PHTH 8192 Basic principles of Pathology are considered. Tissue changes encountered as a result of trauma, disease, tumors, and degenerative processes, together with the reparative processes seen in recovery. Gross and microscopic specimens are demonstrated.

Course Type: Lecture