

# ALLIED HEALTH (AH)

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## **AH 105. Medical Terminology for Allied Health Professionals**

Credits: 3

Typically Offered: FALL

AH 105 will cover basic knowledge of medical terminology that the allied health professional needs to function effectively in the healthcare setting. The student will learn correct pronunciation and spelling of medical terms. Identification and definition of various word parts of medical terminology, as well as recognition and definition of symbols and abbreviations will also be part of this course. The identification and definition of terminology relating to medical specialties including anatomy, surgery and surgical procedures, diagnostic procedures, and therapeutic procedures will be part of this course as well.

## **AH 110. Hemodialysis I**

Credits: 2

Corequisites: AH 105, AH 110L, HPER 210, NURS 100 or PLA.

Typically Offered: FALLSPR

AH 110, in conjunction with AH 110L, produces an introduction to the dialysis technician role in an outpatient dialysis setting. The course will cover normal renal function, causes of renal failure, and principles of dialysis, equipment used in dialysis, as well as the specific requirement for hemodialysis, and the responsibilities of the dialysis technician.

## **AH 110L. Hemodialysis I Laboratory**

Credits: 1

Corequisites: AH 105, AH 110, HPER 210, NURS 100 or PLA.

Typically Offered: FALLSPR

AH 110L, in conjunction with AH 110, provides a supervised lab experience in which the student applies the theories in the care of dialysis clients. The student will apply the theories and principles of dialysis in the lab setting. Emphasis is placed on the role and responsibilities of the dialysis technician in the outpatient dialysis center.

## **AH 120. Hemodialysis II**

Credits: 2

Prerequisites: AH 110, AH 110L, HPER 210, NURS 100 or PLA.

Corequisite: AH 120L.

Typically Offered: FALLSPR

AH 120, in conjunction with AH 120L, focuses on the clinical environment for the delivery of hemodialysis and the Dialysis Technician role in an outpatient setting. The course covers diet and nutrition, dialysis medication, procedures and complications of dialysis, water treatment and dialysis preparation, infection control, safety, patient education, and documentation.

## **AH 120L. Hemodialysis II Laboratory**

Credits: 1

Prerequisites: AH 110, AH 110L, HPER 210, NURS 100 or PLA.

Corequisite: AH 120.

Typically Offered: FALLSPR

AH 120L, in conjunction with AH 120, provides a supervised lab experience in which the student applies the theories in the care of dialysis clients. The student will apply the theories and principles of dialysis in the lab setting. Emphasis is placed on the role and responsibilities of the dialysis technician in the outpatient dialysis center.

## **AH 130. Medical Assistant I**

Credits: 4

Corequisite: AH 130L.

Typically Offered: FALL

AH 130, in conjunction with AH 130L, is designed to introduce students to the proper patient care in the healthcare facility, providing foundational knowledge required of an allied healthcare professional. Topics covered include the role of the medical assistant in the healthcare environment, professionalism, legal and ethical issues, anatomy and physiology, various forms of communication, healthcare office procedures, diagnostic and procedural coding, vital signs, infection control, physical examinations on various patient demographics, Clinical Laboratory Improvement Act (CLIA) waived laboratory tests and specimen collection.

## **AH 130L. Medical Assistant I Laboratory**

Credits: 2

Corequisite: AH 130.

Typically Offered: FALL

AH 130L, in conjunction with AH 130, is designed to provide students with hands-on learning on proper patient care, anatomy and physiology, various forms of communication, healthcare office procedures, diagnostic and procedural coding, vital signs, infection control, physical examinations on various patient demographics, Clinical Laboratory Improvement Act (CLIA) waived laboratory tests and specimen collection.

**AH 135. Medical Assistant II**

Credits: 2

Prerequisites: AH 130 and AH 130L.

Corequisite: AH 135L.

Typically Offered: FALL

AH 135, in conjunction with AH 135L, introduces students to the procedures they will encounter and/or perform in a physician's office as a medical assistant. Also covered will be pharmacology, medication and immunization administration, minor injury care, emergencies, nutrition, exercise, and healthy living. Office management will also be covered.

**AH 135L. Medical Assistant II Laboratory**

Credits: 1

Prerequisites: AH 130 and AH 130L.

Corequisite: AH 135.

Typically Offered: FALL

AH 135L, in conjunction with AH 135, provides students with hands-on experience with the procedures they will encounter and/or perform in a physician's office as a medical assistant. Also covered will be pharmacology, medication and immunization administration, minor injury care, emergencies, nutrition, exercise, and healthy living. Office management will also be covered.

**AH 310. Applied Healthcare Statistics**

Credits: 3

Prerequisite: Acceptance into the Health Administration program and MATH 210.

Typically Offered: FALLSPR

This course offers healthcare professionals a practical understanding of statistical methods and their application in healthcare settings. Tailored for upper-level students, this course covers essential statistical concepts, including descriptive and inferential statistics, probability theory, and hypothesis testing, with a focus on real-world healthcare data analysis. Through hands-on exercises, case studies, and projects, students will develop proficiency in utilizing statistical software to analyze healthcare data sets, interpret findings, and draw evidence-based conclusions to inform clinical decision-making, quality improvement initiatives, and healthcare policy. Emphasizing the importance of ethical and accurate data interpretation, this course equips healthcare professionals with the skills to critically evaluate research studies, identify sources of bias, and effectively communicate statistical findings to diverse stakeholders. By mastering applied statistical techniques, students will enhance their ability to contribute to evidence-based practice and improve patient outcomes within the dynamic healthcare landscape.

**AH 320. Healthcare Economics**

Credits: 3

Prerequisite: Acceptance into the Health Administration program, and MATH 210, and ACCT 200.

Typically Offered: FALL

Learn about the standard economic principles and tools that healthcare administrators need to utilize for effective decision making within the healthcare industry. Explores a framework for understanding government policies, legislation, pricing, profitability, market supply and demand, and risk issues within the healthcare economic system.

**AH 325. Healthcare Marketing**

Credits: 3

Prerequisite: Acceptance into the Health Administration program.

Typically Offered: FALL

This course explores key marketing concepts that the healthcare leader needs to understand to plan and implement an effective marketing strategy. The concepts explored include the marketing process, needs assessment, developing marketing campaigns and evaluating efficacy of marketing efforts.

**AH 330. Principles of Epidemiology**

Credits: 3

Prerequisite: Acceptance into the Health Administration program.

Typically Offered: FALL

Learn basic principles of epidemiology with emphasis on applications in healthcare management. Examine specific epidemiology tools used for purposes of planning, monitoring, and evaluating population health. Consider methods for managing the health of populations, understanding the factors that influence population health, and strategies that healthcare organizations and systems can use to control these factors.

**AH 345. Healthcare Reimbursement**

Credits: 3

Typically Offered: FALL

This course explores some of the major issues facing the healthcare industry and the effect that public policy and business environment has on a healthcare organization. Emphasis is on supply and demand theory, reimbursement systems, managed care, charge-master management, Case-mix management, DRG prospective payment, insurance, Medicare, Medicaid, governmental regulations, accessibility, eligibility, budgeting, and planning. Students learn to use informational and research tools to make effective management decisions.

**AH 400. Healthcare Finance**

Credits: 3

Prerequisite: Acceptance into the Health Administration program, and MATH 210, and ACCT 200, and AH 345.

Typically Offered: SPRING

This course provides an overview of the two main areas of Healthcare Finance, accounting and financial management. Topics explore include the healthcare financial environment, financial accounting principles, managerial accounting principles, financial management, long-term financing and capital investments.

**AH 415. Healthcare Strategic Management Policy**

Credits: 3

Prerequisite: Acceptance into the Health Administration program.

Typically Offered: SPRING

This course examines the complex and intricate nature of the U.S. healthcare system and its implication for healthcare organizations and the populations served. Topics include the organization of healthcare, access to care and disparities, quality of care, funding, healthcare reform and impact for strategic planning for healthcare organizations.

**AH 420. Ethical and Legal Considerations of Healthcare**

Credits: 3

Prerequisite: Acceptance into the Health Administration program.

Typically Offered: FALL

Students in this course examine the role of health care policy and legal, regulatory, and quality control in ethical decision making in healthcare. Students explore concepts and principles of health care policy, legal control, ethical conduct, and regulatory environments and their application to the health care environment. The impact of health care policy and multicultural, socioeconomic, political, legal, and regulatory factors on health care systems is explored.

**AH 430. Healthcare Quality Management**

Credits: 3

Prerequisite: Acceptance into the Health Administration program.

Typically Offered: SPRING

The goal of this course is to introduce students to the management of operations and explore how healthcare organizations can use advance methods to improve healthcare processes, delivery, and outcomes. Specific focus will be on analyzing cycle times (e.g., patient wait times), measuring productivity, streamlining process flows, tracking outcomes and performance metrics, and generally improving health management processes and health outcomes. The process improvement will be measured by how it can improve quality of care and safety of healthcare delivery, reduce waste, and reduce costs. The role of technology and innovative approaches in improving continuing quality improvement in healthcare delivery will be presented.

**AH 435. Global Population Health**

Credits: 3

Prerequisite: Acceptance into the Health Administration program.

Typically Offered: FALLSPR

This course provides healthcare professionals with an in-depth examination of the interconnected factors influencing the health of populations worldwide. Tailored for upper-level students, this course explores the social, economic, environmental, and political determinants of health on a global scale, emphasizing the impact of globalization, urbanization, and migration. Through case studies, data analysis, and collaborative projects, students will develop a comprehensive understanding of key global health challenges, including infectious diseases, non-communicable diseases, and humanitarian crises, as well as strategies for prevention, intervention, and health promotion. Emphasizing cultural competency and equity, this course prepares healthcare professionals to address health disparities, advocate for vulnerable populations, and contribute to the advancement of global health equity through evidence-based practice and interdisciplinary collaboration.

**AH 440. Healthcare Research and Evaluation Methodologies**

Credits: 3

Prerequisite: Acceptance into the Health Administration program, and MATH 210, and AH 310.

Typically Offered: SPRING

Students in this course will develop the knowledge and skills to apply assessment instruments, data collection, research designs, and statistical analysis for needs assessment and program planning. Additionally students will explore contextual issues surrounding evaluation, evaluation designs and methodological issues pertinent to programmatic evaluation.

**AH 450. Health Administration Capstone**

Credits: 3

Prerequisite: Acceptance into the Health Administration program and completion or enrollment in AH 282, AH 310, AH 320, AH 325, AH 330, AH 345, AH 400, AH 415, AH 420, AH 430, AH 435, AH 440.

Typically Offered: SPRING

The capstone course is the culminating experience for the Bachelor of Applied Science in Healthcare Administration. The capstone course provides students with the opportunity to integrate and synthesize the knowledge, skills and attitudes acquired throughout their course work in an original comprehensive project, and to assess their level of mastery of the stated program outcomes of their degree program in Healthcare Administration.