

# COLLEGE OF ALLIED HEALTH PROFESSIONS (CAHP)

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## **CAHP 310 MEDICAL TERMINOLOGY 2 Credit Hours**

Students planning on entering a health care career need to be introduced to medical language. The asynchronous course will serve an introduction as it teaches students to analyze the basic word structure of medical terms. Students will learn the meaning of individual parts, common prefixes and suffixes, as well as combining vowels. Students will be able to understand new terms knowing the meanings of individual parts, prefixes, suffixes, and how medical terms are structured.

Typically Offered: FALL

## **CAHP 360 PATHOGENIC MEDICAL MICROBIOLOGY 4 Credit Hours**

This course is an introduction to medical microbiology and infectious disease. Topics will focus on the most common pathogenic microorganisms and the infections they cause in humans. The course concentrates primarily on bacteriology but includes introductory coverage of parasitology, mycology, and virology. The course provides opportunities for the student to enhance their knowledge base regarding laboratory functions by interpreting laboratory tests to diagnose infectious diseases.

Prerequisite: Previous Biology or permission from the instructor

Typically Offered: SUM/SPRING

## **CAHP 400 BIOCHEMISTRY FOR HEALTH PROFESSIONALS 3 Credit Hours**

This online course includes the theory and application of basic concepts in biochemistry related to health and disease. Topics of study include the fundamental concepts of biochemistry, water, biological membranes, enzymes, hormones, and gene expression. The biosynthesis and metabolism of amino acids, proteins, carbohydrates, lipids, nucleic acids, and nucleotides will also be addressed as they relate to the human body.

Prereqs: College General Biology and College General Chemistry, or permission of instructor

Typically Offered: FALL/SPR

## **CAHP 413 STATISTICS FOR THE HEALTH CARE PROFESSIONAL 3 Credit Hours**

This upper level course in the College of Allied Health Professions is designed to provide allied health professions students with an overview of biostatistical methods needed in the design of medical studies and the analysis of health care data. The major topics to be covered include types of data, descriptive statistics and plots, theoretical distributions, probability, estimation, hypothesis testing, and one-way analysis of variance. A brief introduction to correlation and univariate linear regression will also be given. The course is intended for health professions students to gain an understanding of basic statistical methods for both continuous and dichotomous data.

Prerequisite: Permission of instructor.

Typically Offered: FALL

## **CAHP 415 COMMUNICATION AND CULTURE IN HEALTHCARE 3 Credit Hours**

This course is designed to facilitate an understanding of the role of culture and diversity in the healthcare arena and explore the ethical and legal implications of these situations. The course enables students to explore the value of diversity in our society through self-examination of their own beliefs, values, and biases. Students will evaluate the dynamics involved when cultures interact and apply this to the healthcare setting. The course will include study of the Culturally and Linguistically Appropriate Services [CLAS] standards and the cultural competency responsibility of healthcare organizations.

Prerequisite: Admission in the UNMC College of Allied Health Professions and/or current registration/certification in an allied health profession or permission of the instructor.

Cross List: CAHP 615, HDS 815

Typically Offered: SUMMER

## **CAHP 420 FOUNDATIONS OF INFORMATION TECHNOLOGY IN HEALTHCARE 2 Credit Hours**

The online, asynchronous course provides an introductory overview and application of information technology in healthcare to improve learner understanding of the following key tenets: health informatics, electronic health records, healthcare data analytics, ethics and safety, computer and network architecture, information privacy and security, telemedicine, and medical imaging informatics. This course follows an accelerated 8-week format beginning at the start of each semester.

Prerequisite: Enrollment in the Radiography or Degree Advancement Option Programs or by instructor permission

Typically Offered: FALL

## **CAHP 422 PRINCIPLES OF EDUCATION FOR HEALTH CARE PROFESSIONALS 2 Credit Hours**

The purpose of this course is to introduce the student to the principles of education for the purposes of preparing health care professionals to fulfill the role of clinical instructor and/or program director for their specific clinical discipline. The topics to be covered include curriculum development, the use of terminal objectives, developing test questions, preparation of lesson plans and assignments, and the development of audiovisual materials for didactic instruction.

Prerequisite: Admission in the UNMC College of Allied Health Professions and/or current registration/certification in an allied health profession and/or instructor permission.

Typically Offered: SPRING

## **CAHP 423 PRINCIPLES OF CRITICAL INQUIRY 2 Credit Hours**

This asynchronous course is designed to develop the students' abilities to critically analyze and interpret research. The primary focus will be on evidence-based practice, research designs, statistical methods, and critically analyzing research papers.

Prerequisite: Enrollment in a CAHP program or instructor permission.

Cross List: CAHP 723, HDS 823.

Typically Offered: FALL/SPR

**CAHP 426 HEALTH CARE ETHICS AND CRITICAL THINKING 3 Credit Hours**

This upper level, asynchronous course introduces ethical issues that Allied Health professionals can expect to encounter during their education and career. It covers such areas of concern as confidentiality, informed consent, responsible practice, professionalism, culture differences, handling mistakes, difficult cases, and key legal aspects of these issues. To assist students in resolving issues, the course identifies and applies key principles of critical thinking. The course trains students in the use of these principles in ethics and professionalism. The course is designed to improve the ability of students to reason soundly in professional ethics, to be familiar with the health professional ethics literature, and to communicate clearly about ethical values, integrity, and judgement.

Cross List: CAHP 626, HDS 826.

Typically Offered: FALL/SPR

**CAHP 430 SCANNING HEALTH CARE ENVIRONMENT 3 Credit Hours**

This upper level, asynchronous course in the College of Allied Health Professions is designed to provide allied health professions students with an overview of health care delivery in the United States. The course will explore many factors that influence the delivery of health care, including the determinants of health, the financing of health care, and various health care settings. The course will examine the evolution of health care in the United States and will project issues that will affect health care in the future. Allied health professionals are affected by such changes in both their personal and professional lives. It will be the challenge of health care professionals of the future to consider the value of Medicare and Medicaid, the handling of insurance issues, the creation of policy governing health care delivery and the reduction of health care disparities. This course is designed to assist students in gaining an understanding of why change is occurring, recognizing trends in their particular professional environment and identifying strategies to affect the changes to assure patients access to quality care in an economical environment.

Cross List: CAHP 630, HDS 830.

Typically Offered: FALL

**CAHP 431 MANAGEMENT IN HEALTH CARE 3 Credit Hours**

This asynchronous course introduces allied health students and practitioners to the concepts of organizational theory and behavior as they apply to health care settings. The topics to be covered include personality types in the workplace, leadership and management, the principles of employee motivation, team performance and development, organizational culture, planning and implementing organizational change, human resource management practices, continuous quality improvement, financial management, and risk management.

Prerequisite: Enrollment in a College of Allied Health Professions program or permission of the instructor.

Cross List: HDS 831

Typically Offered: SPRING

**CAHP 433 SPECIAL PROJECT IN MANAGEMENT 1 Credit Hour**

This is an independent study project course focusing on management projects in the specific allied health disciplines. Included in this course are literature reviews and individual or team-focused projects relating to management functions and performance improvement. Students work will be supervised and evaluated by department administrators and division faculty members.

Prerequisite: CAHP 431.

Cross List: CAHP 533.

Typically Offered: SUMMER

**CAHP 441 CLINICALLY ORIENTED GROSS ANATOMY 4 Credit Hours**

Clinically Oriented Gross Anatomy is a 4-5 week summer course that explores human cadaveric anatomy, presenting all functional systems through a regional approach. This course utilizes a wide variety of imaging modalities and clinical correlations to reinforce the relevance and utility of gross anatomy in the health professions. The sequence of didactic material has been adapted to correlate with the group dissection laboratories.

Typically Offered: SUMMER

**CAHP 445 CLINICALLY ORIENTED HUMAN ANATOMY I 3 Credit Hours**

This is the first semester of a 2 semester clinically oriented human anatomy course (CAHP 445-3 credit hours in the fall semester and CAHP 446-2 credit hours in the spring semester). The content of the two courses includes human anatomy presented in a systems approach that utilizes a wide variety of imaging modalities and clinical correlations to understand gross anatomy with cell biology, histology, embryology and neuroanatomy followed by a review applying the information to anatomic regions of the human body. The sequence of the units has been adapted to correlate with the MITS Human Physiology 352 and 353 courses.

Prerequisite: Enrollment in the Radiography program.

Typically Offered: FALL

**CAHP 446 CLINICALLY ORIENTED HUMAN ANATOMY II 2 Credit Hours**

This is the second semester of a 2 semester clinically oriented human anatomy course (CAHP 445-3 credit hours in the fall semester and CAHP 446-2 credit hours in the spring semester). The content of the two courses includes human anatomy presented in a systems approach that utilizes a wide variety of imaging modalities and clinical correlations to understand gross anatomy with cell biology, histology, embryology and neuroanatomy followed by a review applying the information to anatomic regions of the human body. The sequence of the units has been adapted to correlate with the MITS Human Physiology 352 and 353 courses.

Prerequisite: Enrollment in the Radiography program.

Typically Offered: SPRING

**CAHP 462 HUMAN ANATOMY & PHYSIOLOGY I 4 Credit Hours**

The Human Anatomy and Physiology I presents human anatomy and physiology, organized by systems. This asynchronous course is designed as entry level AP that purposely utilizes a wide variety of imaging modalities to apply a clinical relevance to basic science content.

Prerequisite: Intro to Biology course is recommended or Instructor permission.

Cross List: CAHP 662.

Typically Offered: FALL

**CAHP 463 HUMAN ANATOMY & PHYSIOLOGY II 4 Credit Hours**

The Human Anatomy and Physiology II is a continuation of the Human Anatomy and Physiology I course. It presents human anatomy and physiology, organized by systems. This asynchronous course is designed as entry level Anatomy and Physiology course that purposely utilizes a wide variety of imaging modalities to apply a clinical relevance to basic science content.

Prerequisite: CAHP 462/662 or Instructor permission.

Cross List: CAHP 663

Typically Offered: SPRING

**CAHP 515 COMMUNICATION & CULTURAL COMPETENCY 2 Credit Hours**

Cultural Competence and Communication is an upper-level course for allied health professions students and other interested students to facilitate an understanding of the role of cultural competence in the health care arena and explore the ethical and legal implications of this topic. The course will begin by helping the student understand the value of diversity in our society. Secondly, the course will allow the student to make self-examination of their own beliefs, values and biases. This will be followed by the dynamics involved when two cultures interact. Students will examine specific cultural characteristics as they apply to health care and propose ways of adapting diversity to the delivery of health care. The course will include an in-depth assessment of the Culturally and Linguistically Appropriate Services [CLAS] standards and cultural competency information available to healthcare organizations.

Cross List: CAHP 415.

Typically Offered: SUMMER

**CAHP 533 SPECIAL PROJECT IN MANAGEMENT 1 Credit Hour**

This is an independent study project course focusing on management projects in the specific allied health disciplines. Included in this course are literature reviews and individual or team-focused projects relating to management functions and performance improvement. Students work will be supervised and evaluated by department administrators and division faculty members.

Prerequisite: CAHP 531.

Cross List: CAHP 433.

Typically Offered: SUMMER

**CAHP 615 COMMUNICATION AND CULTURE IN HEALTHCARE 3 Credit Hours**

This course is designed to facilitate an understanding of the role of culture and diversity in the healthcare arena and explore the ethical and legal implications of these situations. The course enables students to explore the value of diversity in our society through self-examination of their own beliefs, values, and biases. Students will evaluate the dynamics involved when cultures interact and apply this to the healthcare setting. The course will include study of the Culturally and Linguistically Appropriate Services [CLAS] standards and the cultural competency responsibility of healthcare organizations.

Prerequisite: Admission in the UNMC College of Allied Health Professions and/or current registration/certification in an allied health profession or permission of the instructor.

Cross List: CAHP 415, HDS 815.

Typically Offered: SUMMER

**CAHP 626 HEALTH CARE ETHICS AND CRITICAL THINKING 3 Credit Hours**

This upper level, asynchronous course introduces ethical issues that Allied Health professionals can expect to encounter during their education and career. It covers such areas of concern as confidentiality, informed consent, responsible practice, professionalism, culture differences, handling mistakes, difficult cases, and key legal aspects of these issues. To assist students in resolving issues, the course identifies and applies key principles of critical thinking. The course trains students in the use of these principles in ethics and professionalism. The course is designed to improve the ability of students to reason soundly in professional ethics, to be familiar with the health professional ethics literature, and to communicate clearly about ethical values, integrity, and judgement.

Prerequisite: Enrollment in a CAHP program.

Cross List: CAHP 426, HDS 826.

Typically Offered: FALL/SPR

**CAHP 630 SCANNING HEALTH CARE ENVIRONMENT 3 Credit Hours**

This upper level, asynchronous course in the College of Allied Health Professions is designed to provide allied health professions students with an overview of health care delivery in the United States. The course will explore many factors that influence the delivery of health care, including the determinants of health, the financing of health care, and various health care settings. The course will examine the evolution of health care in the United States and will project issues that will affect health care in the future. Allied health professionals are affected by such changes in both their personal and professional lives. It will be the challenge of health care professionals of the future to consider the value of Medicare and Medicaid, the handling of insurance issues, the creation of policy governing health care delivery and the reduction of health care disparities. This course is designed to assist students in gaining an understanding of why change is occurring, recognizing trends in their particular professional environment and identifying strategies to affect the changes to assure patients access to quality care in an economical environment.

Cross List: CAHP 430, HDS 830.

Typically Offered: FALL

**CAHP 631 MANAGEMENT IN HEALTH CARE 3 Credit Hours**

This course introduces allied health students and practitioners to the concepts of organizational theory and behavior as they apply to health care settings. The topics to be covered include personality types in the workplace, leadership and management, the principles of employee motivation, team performance and development, organizational culture, planning and implementing organizational change, human resource management practices, continuous quality improvement, financial management, and risk management.

Typically Offered: FALL/SPR

**CAHP 650 INTRODUCTION TO INTERPROFESSIONAL GLOBAL HEALTH 3 Credit Hours**

The course presents interprofessional global health competencies, addressing issues including human rights, environment, culture, collaboration, and professional growth. The course provides learners with the foundation to engage as global citizens to positively impact the health of all people and communities.

Cross List: CAHP 850

Typically Offered: SPRING

**CAHP 662 HUMAN ANATOMY & PHYSIOLOGY I 4 Credit Hours**

The Human Anatomy and Physiology I presents human anatomy and physiology, organized by systems. This asynchronous course is designed as entry level AP that purposely utilizes a wide variety of imaging modalities to apply a clinical relevance to basic science content.

Prerequisite: Instructor permission.

Cross List: CAHP 462.

Typically Offered: FALL

**CAHP 663 HUMAN ANATOMY & PHYSIOLOGY II 4 Credit Hours**

The Human Anatomy and Physiology II is a continuation of the Human Anatomy and Physiology I course. It presents human anatomy and physiology, organized by systems. This asynchronous course is designed as entry level Anatomy and Physiology course that purposely utilizes a wide variety of imaging modalities to apply a clinical relevance to basic science content.

Prerequisite: CAHP 462/662 or Instructor permission.

Cross List: CAHP 463

Typically Offered: SPRING

**CAHP 670 PATIENT-CENTERED CARE I 4 Credit Hours**

This course is the first in a series of three courses. This asynchronous interprofessional course is designed to introduce the student to healthcare delivery science content related to patient-centered care. The student will engage in learning activities related to interprofessional teams, improvement of clinical practice/education, and the employment of evidence-based practice to continually improve operations and the quality of care delivered in the clinical setting.

Prerequisite: Enrollment in a College of Allied Health Program and program director permission.

Typically Offered: FALL

**CAHP 680 PATIENT-CENTERED CARE II 4 Credit Hours**

This course is the second in a series of three courses. This asynchronous interprofessional course allows the student to continue their exploration of healthcare delivery science content related to patient-centered care. The student will engage in learning activities related to interprofessional teams, improvement of clinical practice/education, and the employment of evidence-based practice to continually improve operations and the quality of care delivered in the clinical setting.

Prerequisite: Successful completion of CAHP 670 Patient-Centered Care I, enrollment in a College of Allied Health Professions program, and program director permission.

Typically Offered: SPRING

**CAHP 690 PATIENT-CENTERED CARE III 4 Credit Hours**

This course is the third in a series of three courses. This asynchronous interprofessional course allows the student to continue their exploration of healthcare delivery science content related to patient-centered care. The student will engage in learning activities that explore challenges in healthcare and how these challenges can be addressed through interprofessional teams, improvement of clinical education/practice, and the employment of evidence-based practices

Prerequisite: Successful completion of CAHP 670 Patient-Centered CARE I, CAHP 680 Patient-Centered Care II, enrollment in a College of Allied Health Professions program, and program director permission.

Typically Offered: SUMMER

**CAHP 723 PRINCIPLES OF CRITICAL INQUIRY 2 Credit Hours**

This asynchronous course is designed to develop the students' abilities to critically analyze and interpret research. The primary focus will be on evidence-based practice, research designs, statistical methods, and critically analyzing research papers.

Prerequisite: Enrollment in a CAHP program or instructor permission.

Cross List: CAHP 423, HDS 823.

Typically Offered: FALL/SPR

**CAHP 750 INTERPROFESSIONAL GLOBAL HEALTH 3 Credit Hours**

TBD

Cross List: MSCI 750

Typically Offered: SUMMER

**CAHP 850 INTRODUCTION TO INTERPROFESSIONAL GLOBAL HEALTH 3 Credit Hours**

The course presents interprofessional global health competencies, addressing issues including human rights, environment, culture, collaboration, and professional growth. The course provides learners with the foundation to engage as global citizens to positively impact the health of all people and communities.

Cross List: CAHP 650

Typically Offered: SPRING