COURSE DESCRIPTIONS

**HAD**

**Clinical Laboratory Sciences**

**HAD 210 Introduction to Clinical Laboratory Sciences**

Defines basic clinical laboratory sciences terminology and application. Introduces the specialties within the clinical laboratory sciences profession including microbiology, hematology, chemistry, immunohematology, and immunology and their roles in patient care. Reviews professional organizations and licensures. Examines employment opportunities. Visitation of clinical laboratories included. Open to west campus students.
1 credit

**HAD 304 Introduction to Criminalistics**

Introduces the student to forensic science. Describes the interesting and diverse disciplines that comprise the field of investigation for evidence in criminal and civil investigations. Open to west campus students.
1 credit

**HAL**

**Athletic Training**

**HAL 205 Introduction to Athletic Training**

Introduction to the health care profession of athletic training. The course explores the history and development of the profession and the concept of the sports medicine team, as well as medical terminology. Students will be required to complete a 50 hour clinical observation. Open to west campus students.
2 credits

**HAL 210 Emergency Care of Athletic Injuries**

Recognition and management of medical emergencies with emphasis on those conditions that are most commonly suffered by athletes. Successful completion of the course leads to Professional level Cardio-Pulmonary Resuscitation (CPR), Automated External Defibrillator (AED) and First Aid certification by the American Academy of Orthopedic Surgeons Emergency Care and Safety Institute. HAL 205 is recommended prerequisite. Open to west campus students.
3 credits

**HAL 300 Kinesiology**

The mechanical aspects of human motion and the structure and function of these motions in physically active individuals with or without pathological involvement. The student learns basic qualitative and quantitative clinical techniques used in identifying pathological movement. Open to west campus students.
Corequisite: ANP 200
4 credits

**HAS**

**Allied Health**

**HAS 190 Introduction to the Health Professions**

Presents topics of interest to students considering careers as health professionals. Introduces the student to basic concepts of health, factors influencing health care, health care settings, and selected health professions. May not be taken for credit in addition to LHW 102. Open to west campus students.
1 credit

**HAS 290 Medicine and Society**

Examines traditional concerns of the humanities and social sciences as they interface with health care and its delivery. Practicing physicians or other health professionals present clinical cases. Emphasizes confidentiality, experimentation, dying and death, and allocation of scarce resources. Focuses on the social, historical, ethical, and humanistic importance of the cases. Permission of instructor required. Open to west campus students.
3 credits

**HAS 292 Behavioral Intervention for Children with Autism**

Provides framework to develop and implement behaviorally based instruction for children with autism spectrum disorders. Presents the variables that control learning in instructional environments. Offers opportunity to develop technical competencies in behavior analytic intervention strategies (defining and measuring behavior, shaping, chaining, and discrete trial instruction) that facilitate acquisition, maintenance and generalization of skills. Involves “hands on” experience for minimum of five hours per week at sites that provide services for children with autism. Corequisite or prerequisite: HAS 192, not to be taken for credit in addition to HAS 502. Transportation to off-campus sites must be provided by the student. Open to west campus students.
3 credits

**HAT**

**Respiratory Care**

**HAT 210 Introduction to Respiratory Care**

An introduction to the science of respiratory care. Current trends in professional practice are discussed and students have the opportunity to observe clinical practice at a variety of affiliated health care facilities. This course is specifically designed for lower-division four year respiratory care majors. Open to west campus students.
1 credit

**HBA**

**Anatomical Sciences**

**HBA 109-E Life Through Time**

An examination of biodiversity as preserved in the fossil record and how it contributes to the understanding of evolution. Species examined include invertebrates, plants, dinosaurs, and mammals and the ultimate origin and evolution of humans. Principles of evolution, paleontology, phylogeny reconstruction, and conservation are discussed. This course is offered as both GEO 109 and HBA 109.
3 credits

**HBA 398 Research Project in Anatomical Sciences**

An independent research project under faculty supervision, with emphasis on the principles of experimental design, data collection, evaluation of findings, and reporting of results. The student is expected to prepare a report on the project and be able to discuss his or her work. Open to juniors and seniors. May be repeated.
Prerequisites: U3 or U4 standing; laboratory experience; permission of supervising instructor
2-4 credits

**HBA 399 Research Project in Anatomical Sciences**

An independent research project under faculty supervision, with emphasis on the principles of experimental design, data collection, evaluation of findings, and reporting of results. The student is expected to prepare a report on the project and be able to discuss his or her work. Open to juniors and seniors. May be repeated.
Prerequisites: U3 or U4 standing; laboratory experience; permission of supervising instructor
2-4 credits

**HBH**

**Pharmacology**

**HBH 330 Fundamentals of Pharmacology I**

Covers the basic principles that underlie the action of drugs on physiological processes. These principles are applied to the specific action of drugs on the autonomic nervous system. In addition, the pharmacology of cardiovascular drugs are covered in detail.
Prerequisite: Admission to Undergraduate Health Sciences Center program
2 credits

**HBH 331 Fundamentals of Pharmacology II**

A continuation of HBH 330. Covers the action of drugs on individual systems as well as drug-drug interactions emphasizing the mechanisms of drug action. Surveys therapeutic applications and adverse drug reactions. Prerequisite: HBH 330
Prerequisite: Admission to Undergraduate Health Sciences Center program
3 credits

**HBH 332 Pharmacology in Cardiorespiratory Sciences**

Includes the basic principles of drug actions and covers drug applications in the autonomic, cardiovascular and respiratory systems. For cardiorespiratory sciences students enrolled in The School of Health Technology and Management.
Prerequisite: Admission to Undergraduate Health Sciences Center program
3 credits

**HBH 396 Research Project in Pharmacology**

An independent research project under faculty supervision, with emphasis on the principles of experimental design, data collection, evaluation of findings, and reporting of results. The student is expected to prepare a report on the project. May be repeated. May not be taken for credit in addition to BCP 487.
Prerequisites: U3 or U4 standing; laboratory experience; permission of supervising instructor
0-6 credits

**HBH 398 Research Project in Pharmacology**

An independent research project under faculty supervision, with emphasis on the principles of experimental design, data collection, evaluation of findings, and reporting of results. The student is expected to pre-