HAD

Clinical Laboratory Sciences

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 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. 2 credits

HAN

Occupational Therapy

HAN 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. Visitaton of clinical laboratories included. Open to west campus students. 1 credit

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. Covers 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 is 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 0-4 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-
HBM

Molecular Genetics and Microbiology

HBM 320 General Microbiology
A study of the molecular structure, functional anatomy, growth, genetics, and pathogenic mechanisms of microbial agents, with an emphasis on bacteria and viruses. Non-specific and specific host defenses and the control of microorganisms will also be covered. Satisfies the microbiology requirement for admission to most allied health, nursing, optometry, and veterinary medicine professional schools.
Prerequisites: BIO 202, CHE 132
3 credits

HBM 321 General Microbiology Laboratory
Complementing the lecture material of HBM 320, this optional laboratory covers basic and applied microbial methods. Students are introduced to methods for isolating pure cultures, microscopy and staining, quantitation of bacteria and determination of sensitivity to antimicrobial agents. This laboratory is limited to pre-allied health, pre-nursing, and pre-veterinary students.
Prerequisites: BIO 202; CHE 132; permission of instructor
1 credit

HBM 393 Special Topics from the Microbiology Literature
Tutorial readings in microbiology with periodic conferences, reports, and examinations arranged with the instructor. Semester project report required. May be repeated.
Prerequisites: U3 or U4 standing; permission of instructor
1-2 credits

HBM 394 Special Topics from the Microbiology Literature
Tutorial readings in microbiology with periodic conferences, reports, and examinations arranged with the instructor. May be repeated.
Prerequisites: U3 or U4 standing; permission of instructor
1-2 credits

HBM 398 Research Project in Pathology
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. May be repeated. Prerequisites: Laboratory experience.
Prerequisites: U3 or U4 standing; laboratory experience; permission of supervising instructor
1-4 credits

HBM 399 Research Project in Microbiology
An independent research project under faculty supervision, with emphasis on the principles of experimental design, data collection, evaluation of findings, and reporting of results. Project report required. May be repeated.
Prerequisites: U3 or U4 standing; prior laboratory experience; permission of instructor
1-6 credits

HBB 211 Intermediate Hebrew I
Intermediate courses in conversation, composition, and the reading of texts in modern Hebrew.
Prerequisite: HBB 112
3 credits

HBB 212 Intermediate Hebrew II
Intermediate courses in conversation, composition, and the reading of texts in modern Hebrew.
Prerequisite: HBB 211
3 credits

HBB 311 Advanced Hebrew I
A course in the active use of spoken and written Hebrew. Readings of classics in the Hebrew language. Discussion is conducted mainly in Hebrew.
Prerequisite: HBB 212
3 credits

HBB 312 Advanced Hebrew II
Readings in modern Hebrew authors. Oral and written reports. Discussion is conducted mainly in Hebrew.
Prerequisite: HBB 311
3 credits

HBB 405 Studies in Hebrew Literature
May be repeated as the topic changes.
Prerequisite: HBB 311 or 312
3 credits

HBB 415 The History of the Hebrew Language
Readings and discussion (in Hebrew) of selections from Biblical, post-Biblical, and modern literature; lectures and discussion (in English) on the changes of sentence structure, meaning, sound, and style from one period to another. Particular attention is given to classicism, innovation, and restructuring in the rise of modern Hebrew.
Prerequisite: HBB 311
3 credits

HBB 447 Directed Readings in Hebrew
Intensive study of a particular author, period, or genre of Hebrew literature in the original under close faculty supervision. May be repeated.
Prerequisite: Permission of director
1-4 credits

HBB 475 Undergraduate Teaching Practicum I
Work with a faculty member as an assistant in one of the faculty member's regularly scheduled classes. The student is required to attend all the classes, do all the regularly assigned work, and meet with the faculty member at regularly scheduled times to discuss the intellectual and pedagogical matters relating to the course. Students may not serve as teaching assistants in the same course twice.
Prerequisites: U3 or U4 standing; permission of instructor
3 credits, S/U grading

HBB 476 Undergraduate Teaching Practicum II
Work with a faculty member as an assistant in one of the faculty member's regularly scheduled classes. The student is required to attend all the classes, do all the regularly assigned work, and meet with the faculty member at regularly scheduled times to discuss the intellectual and pedagogical matters relating to the course. In HBB 476, students assume greater responsibility in such areas as leading discussions and analyses, reports, and examinations arranged with the instructor. May be repeated. Prerequisite: HBB 475; permission of instructor
3 credits, S/U grading