ATHLETIC TRAINING (AT)

AT 2000 Introduction to Athletic Training (2 Credits)
The first half of a two-semester athletic training sequence emphasizing the development of athletic training skills. Designed to introduce students to the profession of athletic training as well as to begin the development of psychomotor skills in athletic training. Course content stresses athletic training room policies and procedures, universal precautions and wound care; clinical competencies in ice bag/massage, cold/warm whirlpool and hydrocollator use; selected taping and wrapping techniques. A minimum of 40 hours of observation is required in the athletic training room and at practices and games. Falls. Prerequisite(s): Allied Health Sciences majors only, BI 2110, and 20 hours of observation in athletic training setting.

AT 2100 Introduction to Clinical Practice (2 Credits)
Seminar style. Introduces athletic training students to the many competencies and proficiencies required in clinical practice. Students engage in experiential learning as an orientation to clinical requirements, guidelines and standards of practice. Includes the introductory use and application of therapeutic modalities and injury tracking software, the implementation of pre-season screening, the collection and dissemination of medical history, consent and waiver information, the writing of injury reports using SOAP notes and exposure to emergency policies and procedures. Students apply what they have learned by completing 3, 4-week clinical rotations under the direct supervision of a clinical instructor. Last offering Fall 2018. Prerequisite(s): AT 2250.

AT 2750 Clinical Athletic Training I (4 Credits)
Provides students with hands-on experience working with physically active patients using the range of skills required of an athletic trainer at an introductory level of clinical integration proficiency. Students complete clinical hours under the direct supervision of a Clinical Preceptor. Last offering Spring 2019. Prerequisite(s): current CPR/AED for the Professional Rescuer certification, valid NATA membership, 2.33 core and cumulative GPA, permission of instructor.

AT 3000 Athletic Training Clinical Skills I (4 Credits)
Introduces students to a broad range of knowledge and skills required in athletic training clinical practice. Students engage in experiential learning as an orientation to clinical guidelines and standards of practice. Students complete clinical rotations under the direct supervision of a Clinical Preceptor. Springs. Prerequisite(s): AT 2000, current First Aid and CPR/AED (BLS for Healthcare Provider) certification.

AT 3015 Clinical Integration (2 Credits)
Designed to help students refine and expand skills, techniques and decision-making skills in the application of theory and in practical situations. Gives students the opportunity to observe other sports medicine professionals as they relate to athletic training. Designed to introduce and evaluate practical and emergency skills as necessary. Students are also required to present an injury case study. Last offering Spring 2020. Prerequisite(s): AT 2750

AT 3100 Athletic Training Clinical Skills II (4 Credits)
Students engage in experiential learning for the acquisition and application of knowledge and skills necessary for athletic training clinical practice. Students complete clinical rotations under the direct supervision of a Clinical Preceptor. Falls. Prerequisite(s): AT 3000, current First Aid and CPR/AED (BLS for Healthcare Provider) certification.

AT 3250 Injury Assessment I (3 Credits)
Examines a systematic approach to orthopedic assessment. Each body section is studied individually, stressing osteology, arthrology, myology, neurology, etiology, pathology and assessment techniques. Covers the lower extremity and lumbar spine. Last offering Fall 2018. Prerequisite(s): AT 2250 or CC 2660. Corequisite(s): AT 3260.

AT 3260 Injury Assessment Laboratory I (1 Credit)
Provides students hands-on, laboratory experience in orthopedic assessment. Each body section is studied individually, stressing osteology, arthrology, myology and neurology. Stresses the evaluation process for each joint in the lower extremity and lumbar spine. Last offering Fall 2018. Prerequisite(s): AT 3250.

AT 3270 Injury Assessment II (3 Credits)
Examines a systematic approach to orthopedic assessment. Each body section is studied individually, stressing osteology, arthrology, myology, neurology, etiology, pathology and assessment techniques. Covers the upper extremity, cervical spine, head and face, abdomen and thorax. Last offering Spring 2019. Prerequisite(s): AT 3250 and AT 3260. Corequisite(s): AT 3280.

AT 3280 Injury Assessment Laboratory II (1 Credit)
Provides students hands-on, laboratory experience in orthopedic assessment. Each body section is studied individually, stressing osteology, arthrology, myology and neurology. Stresses the evaluation process for upper extremity, cervical spine, head and face, abdomen and thorax. Last offering Spring 2019. Prerequisite(s): AT 3250 and AT 3260. Corequisite(s): AT 3270.

AT 3350 Athletic Training Health, Prevention, and Management (3 Credits)
Prepares students to assist in patient wellness and the recognition, prevention, management, and referral of illnesses and disabilities in the physically active patient. Explores the occupational, social, intellectual, and physical dimensions of health to identify connections between life choices, personal wellness, patient management, and the practice of Athletic Training. Last offering Fall 2020. (WECO)(WRCO) Prerequisite(s): AT 3250.

AT 3400 Pharmacology for Allied Health Professionals (2 Credits)
Examines knowledge, skills and values required of the entry-level athletic trainer on pharmacological applications, including awareness of the indications, contraindications, precautions and interactions of medications and governing regulations relevant to the treatment of injuries to and illnesses of athletes and others involved in physical activity. Last offering Spring 2020. Prerequisite(s): Health and Human Performance major and minors only.

AT 3760 Clinical Athletic Training II (4 Credits)
Provides students with hands-on experience working with physically active patients using the range of skills required of an athletic trainer at an intermediate level of clinical integration proficiency. Students complete clinical hours under the direct supervision of a Clinical Preceptor. Last offering Spring 2020. Prerequisite(s): AT 2750, current CPR/AED for the Professional Rescuer certification, valid NATA membership, minimum 2.50 cumulative GPA, permission of instructor.
AT 3880 Athletic Training Practicum (1-3 Credits)
Provides an opportunity to acquire teaching or clinical experience in Athletic Training, under direct supervision in an approved course, activity or clinical environment. May be repeated for credit. Each credit requires approximately 45 hours of practicum experience.
Prerequisite(s): students must be in good academic standing (no probation), have a faculty sponsor and the approval of the Department Chair.

AT 4015 BOC Test Prep (3 Credits)
Provides a forum for review and discussion of athletic training content to prepare students for the BOC examination and entry-level athletic training employment. Students take multiple review examinations and prepare topics for presentations. Last offering Fall 2021.
Prerequisite(s): AT 4760.

AT 4100 Administration of Athletic Training (3 Credits)
Examines the knowledge, skills and values that the entry-level athletic trainer must possess to develop, administer and manage a healthcare facility and associated venues that provide healthcare to athletes and others involved in physical activity. Provides the knowledge, skills and values that an entry-level athletic trainer must possess to understand professional responsibilities, avenues of professional development and national and state regulatory agencies and standards in order to promote athletic training as a professional discipline and to educate athletes, students of athletic training, the general public, the physically active and associated individuals. Last offering Fall 2021. (INCO)
Prerequisite(s): AT 2750 and Junior status.

AT 4200 Research and Statistics in Athletic Training (3 Credits)
Introduces the use of statistical analyses, and research design and methodology in Athletic Training and related professions. Emphasizes the principles of evidence-based medicine, use of statistics, critical appraisal of research, the quality of available research, and how to design and conduct research studies. Last offering Fall 2021. (QRCO)(WRCO)
Prerequisite(s): AT 2750 and MA 2300.

AT 4250 Rehabilitation of Injuries for Active Populations (3 Credits)
The theory behind and the application of the various rehabilitation tools (i.e., closed/open kinetic chain activities, manual therapies, aquatic therapy) used in a rehabilitation setting. Emphasizes developing and administering rehabilitation protocols based on the healing process and return to function. Last offering Spring 2020.
Prerequisite(s): AT 4500.
Corequisite(s): AT 4260.

AT 4260 Rehabilitation of Injuries for Active Populations Laboratory (1 Credit)
Clinical application of didactic material presented in AT 4250. Practical experience ranges from common stretching and strengthening technique to more manual skill oriented interventions such as joint mobilization, PNF and myofascial release techniques. Last offering Spring 2020.
Corequisite(s): AT 4250.

AT 4500 Therapeutic Modalities (3 Credits)
This is a comprehensive course in the technology, theory and use of therapeutic modalities in a sports medicine setting. The general principles of neurophysiology, pain control and the electromagnetic and acoustic spectra are discussed and applied through class and lab experiences using the following therapeutic modalities: thermotherapy, hydrotherapy, mechanotherapy, ultrasound, electric muscle stimulation and selected others. Last offering Fall 2019. (TECO)
Prerequisite(s): AT 3270 and AT 3280.
Corequisite(s): AT 4510.

AT 4510 Therapeutic Modalities Laboratory (1 Credit)
Comprehensive course in the practical application of therapeutic modalities in a sports medicine setting. Principles of neurophysiology, pain control, the electromagnetic and acoustic spectra are applied through lab experiences. Last offering Fall 2019.
Corequisite(s): AT 4500.

AT 4760 Clinical Athletic Training III (4 Credits)
Provides students with hands-on experience working with physically active patients using the range of skills required of an athletic trainer at any advanced level of clinical integration proficiency. Students complete clinical hours under the direct supervision of a Clinical Preceptor. Last offering Fall 2021.
Prerequisite(s): AT 3760, current CPR/AED for the Professional Rescuer certification, valid NATA membership, minimum 2.70 cumulative GPA, permission of instructor.

AT 4800 Clinical Athletic Training IV (4 Credits)
Provides students with a culminating hands-on experience working with physically active patients using the range of skills required of a clinically proficient, pre-professional athletic trainer. Students complete clinical hours under the direct supervision of a Clinical Preceptor. Last offering Spring 2022.
Prerequisite(s): AT 4760, current CPR/AED for the Professional Rescuer certification, valid NATA membership, minimum 2.75 cumulative GPA, permission of instructor.

AT 4880 Athletic Training Internship (4-12 Credits)
For students desiring a culminating educational experience with a wide range of practical on-the-job work in their selected option. The Internship is in agencies that are approved, supervised and evaluated by the Department. May be repeated for credit.
Prerequisite(s): Junior standing; minimum 2.70 GPA (cumulative and major); approval of the Department Chair.

AT 4910 Independent Study (1-3 Credits)
A student-initiated research project on a selected topic agreed to by a department faculty tutor. Consent required of the instructor who will supervise the Independent Study and the Department Chair.