

ATHLETIC TRAINING (MSAT)

MSAT 115. Med Term for Health Profession. (1 Credit)

This course is designed for students interested in the Health Professions. This course will focus on medical terms, definitions, and abbreviations commonly associated with anatomy and the Health Professions. Basic medical terminology, health and disease, and diagnostic procedures will be covered. In addition, the following human body systems will be introduced: skeletal, muscular, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, nervous, special senses, integumentary, endocrine, and reproductive.

Prerequisite: None

MSAT 116. Health Profession Medical Terminology. (1 Credit)

MSAT 130. Advanced Weight Training. (2 Credits)

Advanced Weight Training analyzes the techniques and skills of weight training to achieve individual goals. The course will go over various core lifts, Olympic lifts, and repetition strength testing

Prerequisite: None

MSAT 163. Freshman Fast-Track I. (1 Credit)

Freshman Fast-Track I will allow each student the opportunity to practice athletic training and basic psychomotor skills.

Prerequisite: None

MSAT 164. Freshman Fast-Track II. (1 Credit)

will allow each student the opportunity to practice athletic training and basic psychomotor skills. 1 credit.

Prerequisite: None

MSAT 167. Basic Taping & Wrapping Techn. (1 Credit)

MSAT 171. Athletic Training Foundations. (1 Credit)

introduces students to the field of athletic training and the Athletic Training Program at Concordia University Wisconsin. The students enrolled in this course will explore and discuss the Athletic Training Program requirements, policies, procedures, and clinical placement expectations. 1 credit.

Prerequisite: None

MSAT 172. Athletic Training Foundations. (3 Credits)

Athletic Training Foundations is designed to introduce the student to the field of athletic training, the basic elements of athletic training patient care, and the Athletic Training Program at Concordia University Wisconsin. This will be accomplished by exposing the student to the foundational behaviors of professional practice, clinical examination and diagnosis skills, cultural competence, communication skills, healthcare administration, policies and procedures, and clinical placement expectations.

Prerequisite: None

MSAT 175. Seminar in Athletic Training I. (1 Credit)

This course is designed to allow prospective athletic training students to continue an exploration into topics relevant to the profession of athletic training. Outside speakers will be invited to present on various topics specific to athletic training. As part of the course, students will complete observational hours with athletic trainers at Concordia University.

Prerequisites: MSAT 275 or Instructor Consent

MSAT 205. First Aid & Emer Proced & Lab. (3 Credits)

First Aid & Emergency Procedures is designed to prepare students to make appropriate decisions regarding first aid and emergency care, and to act proficiently on those decisions. Students will be given the American Heart Association (AHA) certification examinations for Basic Life Support (BLS) for Healthcare Providers (including Adult, Child, and Infant CPR and AED). Additionally, special concerns seen in athletic populations will be addressed and practiced as they apply to the

Prerequisite: None

MSAT 210. Health Care Delivery. (2 Credits)

is designed to introduce the student to the basic elements of athletic training patient care. This will be accomplished by exposing the student to the foundational behaviors of professional practice, clinical examination and diagnosis skills, cultural competence, communication skills, and healthcare administration. 2 credits.

Prerequisite: None

MSAT 272. Intro-Athletic Training. (3 Credits)

Introduction to Athletic Training is designed to give the student an understanding of the field of athletic training and to develop knowledge, skills, and values of the various components related to the athletic training profession. The lab component is designed to give the student the opportunity to practically apply various skills related to the athletic training profession. 3 credit hours.

Prerequisite: None

MSAT 273. Athletic Training Lab. (0 Credits)

is designed to give the student an understanding of the field of athletic training and to develop knowledge, skills, and values of the various components related to the athletic training profession. The lab component is designed to give the student the opportunity to practically apply various skills related to the athletic training profession. 3 credits.

Prerequisite: None

MSAT 274. Care and Prevention of Athletic Injuries. (3 Credits)

MSAT 275. Seminar in Athletic Training II. (1 Credit)

MSAT 289. Athletic Training Seminar. (1 Credit)

The Athletic Training Seminar is designed for Year 3 and 4 athletic training students meet to study specific athletic training competencies. Opportunities will also be provided for outside speakers in the medical field to present on various topics specific to athletic training competencies. This course is taken consecutively for four semesters beginning with the third semester in the Master of Science Athletic Training Program.

Prerequisite: None

MSAT 291. Athletic Training Pract I. (3 Credits)

Athletic Training Practicum I is designed to formally structure clinical experience specific to the third semester of enrollment in the Athletic Training Program. It includes observation and hands-on experience at Concordia University affiliated sites. The purpose of this course is to incorporate specific clinical proficiencies with real life athletic and injury situations.

Prerequisite: None

MSAT 292. Athletic Training Practicum II. (3 Credits)

Athletic Training Practicum II is designed to formally structure clinical experience specific to the fourth semester of enrollment in the Athletic Training Program. It includes observation and hands-on experience at Concordia University affiliated sites. The purpose of this course is to incorporate specific clinical proficiencies with real life athletic and injury situations.

Prerequisite: None

MSAT 301. Rehab Tech-Athlet Inj. (3 Credits)

Rehabilitation Techniques of Athletic Injuries involves the study, methods, and applications of rehabilitation techniques as they relate to athletic injuries.

Prerequisite: None

MSAT 302. Rehab Tech-Athlet Inj Lab. (0 Credits)

involves the study, methods, and application of rehabilitation techniques as they relate to athletic injuries. 3 credits.

Prerequisite: MSAT 272/273.

MSAT 303. Therapeutic Modalities. (3 Credits)

Therapeutic Modalities involves the study of the physiological principles and applications of cryotherapy, thermotherapy, ultrasound, traction, and electrical stimulation. This course will explore the various applications of modalities as they relate to orthopedic athletic injuries.

Prerequisite: None

MSAT 304. Therapeutic Modalities Lab. (0 Credits)

this course involves the study of the physiological principles and applications of cryotherapy, thermotherapy, ultrasound, traction, and electrical stimulation. This course will explore the various applications of modalities as they relate to orthopedic athletic injuries. 3 credits.

Prerequisites: BIO 191/192, MSAT 272/273.

MSAT 312. Admin & Org of Athlet Training. (3 Credits)

Administration and Organization of Athletic Training exposes the student to management theory, budget preparation, care and purchase of equipment/modalities, legal considerations, athletic training facility design and management, and public relations. It also addresses the administration and organization of athletic training rooms in non-traditional settings.

Prerequisite: None

MSAT 330. Manual Muscle Testing. (2 Credits)

This course introduces the various positions and techniques of manual muscle testing. This course will be conducted in a laboratory setting.

Prerequisite: None

MSAT 348. Palpatory Anatomy. (2 Credits)

Palpatory anatomy is the investigation of the various musculoskeletal structures of the human body. Students will learn and apply various palpatory techniques in identifying musculoskeletal structures.

Prerequisite: None

MSAT 350. Appl Biomechanics & Arthrokin. (3 Credits)

Applied Biomechanics and Arthrokinematics is designed to teach and clinically apply mechanical principles that relate to the structure and function of living organisms. Application of human movement as it relates to kinematics, kinetics, functional assessment, motion analysis, structural biomechanics, and properties of human tissues will be examined.

Prerequisite: None

MSAT 372. Recog/Eval Ath Inj I. (3 Credits)

Recognition and Evaluation of Athletic Injuries I involves the in-depth study of the assessment and management of athletic injuries to the foot, ankle, lower leg, knee, and hip. Additional topics of neurological assessment, goniometric evaluation, and record keeping will also be addressed.

Prerequisite: None

MSAT 374. Recog & Eval I Lab. (0 Credits)

involves the in-depth study of the assessment and management of athletic injuries to the foot, ankle, lower leg, knee, and hip. Additional topics of neurological assessment, goniometric evaluation, and record keeping will also be addressed. 3 credits.

Prerequisites: BIO 191/192, MSAT 272/273.

MSAT 376. Recog/Eval Ath Inj II. (3 Credits)

This course will introduce students to orthopedic assessment of the shoulder, upper arm, elbow, forearm, wrist, hand, head and face. Students will acquire the entry-level skills necessary to recognize and evaluate orthopedic injuries and conditions relating to referred pain. Specifically, course information will include taking a complete medical history, inspecting the area, measuring range of motion, proper performance and interpretation of neurologic and special tests, determining a differential diagnosis, proper documentation, and coming to a clinical diagnosis based on the information obtained.

Prerequisite: None

MSAT 378. Recog/Eval Injur II Lab. (0 Credits)

will introduce students to orthopedic assessment of the shoulder, upper arm, elbow, forearm, wrist, hand, head and face. Students will acquire the entry-level skills necessary to recognize and evaluate orthopedic injuries and conditions relating to referred pain. Specifically, course information will include taking a complete medical history, inspecting the area, measuring range of motion, proper performance and interpretation of neurologic and special tests, determining a differential diagnosis, proper documentation, and coming to a clinical diagnosis based on the information obtained. 3 credits.

Prerequisites: BIO 191/192, MSAT 272/273, MSAT 372/374.

MSAT 380. Rec & Eval Athletic Inj III. (3 Credits)

This course involves the study of the assessment and management of athletic injuries of the spine and related structures.

Prerequisite: None

MSAT 382. Rec & Eval Athl Inj III Lab. (0 Credits)

involves the study of the assessment and management of athletic injuries of the spine and related structures. 3 credits.

Prerequisites: BIO 191/192, MSAT 272/273, MSAT 376/378.

MSAT 391. Athletic Training Practic III. (3 Credits)

Athletic Training Practicum III is designed to formally structure clinical experience specific to the third semester of enrollment in the Athletic Training Education Program. It includes observation and hands-on experience at Concordia University affiliated sites. The purpose of this course is to incorporate specific clinical proficiencies with real life athletic and injury situations.

Prerequisite: MSAT 292.

MSAT 392. Athletic Training Practic IV. (3 Credits)

is designed to formally structure clinical experience specific to the sixth semester of enrollment in the Athletic Training Program. It includes observation and hands-on experience at Concordia University affiliated sites. The purpose of this course is to incorporate specific clinical proficiencies with real life athletic and injury situations. 3 credits.

Prerequisite: MSAT 391.

MSAT 403. Advanced Injury Management. (3 Credits)

Advanced injury management expounds on the student's knowledge of therapeutic modalities and rehabilitation principles by allowing the student to synthesize previously taught treatment options with newly introduced advanced therapeutic modalities and manual therapy techniques.

Prerequisite: None

MSAT 408. Pharmacol & Ergogenic Aids. (3 Credits)

is designed to examine pharmaceutical drug applications, interactions and their value to the injury-healing process and athletic performance. Ergogenic aids will be reviewed in the context of their physiological application, moral and ethical values, and athletic performance. 3 credits.

Prerequisites: BIO 181/282, EXPH 470, HHP 342.

MSAT 491. Athletic Training Practicum V. (3 Credits)

Athletic Training Practicum V is designed to formally structure clinical experience specific to the seventh semester of enrollment in the Athletic Training Program. It includes observation and hands-on experience at Concordia University affiliated sites. The purpose of this course is to incorporate specific clinical proficiencies with real life athletic and injury situations.

Prerequisite: None

MSAT 492. Athletic Training Practicum VI. (3 Credits)

Athletic Training Practicum VI is designed to formally structure clinical experience specific to the eighth semester of enrollment in the Athletic Training Program. It includes observation and hands-on experience at Concordia University affiliated sites. The purpose of this course is to incorporate specific clinical proficiencies with real life athletic and injury situations.

Prerequisite: None