2009

Athletic Training (ATTR)

Montclair State University

Follow this and additional works at: https://digitalcommons.montclair.edu/course-descriptions
### ARTX435  Title  The Fashion Consumer.

**Prerequisites**
- ECON 101 and ECON 102 and ARTX 220 and ARTX 304 and Fashion Studies major (FASH).

**Number and type of credits**
- 3 hours lecture.

**Course Description**
The market place as a social, psychological and economic institution serving consumers. Emphasis on consumer motivation, market organization, pricing and selling strategies: trends and current issues that affect the quality and availability of goods and services.

### ARTX465  Title  Interior Design III.

**Prerequisites**
- ARTX 365.

**Special Fee**
- Special fee.

**Number and type of credits**
- 1.25 hours lecture, 1.25 hours lab.

**Course Description**
The development and aesthetics of design in the twentieth century in Europe and America. Emphasis is placed on the work of contemporary American interior designers.

### ARTX520  Title  Clothing and Human Behavior.

**Number and type of credits**
- 3 hours lecture.

**Course Description**
Analysis of factors affecting appearance and satisfaction in clothing. Economic, sociological and psychological aspects of clothing in relation to the individual. Graduate status required.

### ARTX530  Title  New Media Applications.

### ATTR101  Title  Principles of Athletic Training.

**Prerequisites**
- Athletic Training majors only.

**Number and type of credits**
- 2 hours lecture, 2 hours lab.

**Course Description**
The first course in the Bachelor of Science in Athletic Training. Students in this course will learn introductory theory and skills in the prevention, recognition and care of athletic injuries. In addition, the course will introduce students to concepts in emergency planning, research and writing in the field of athletic training and basic skills in injury care and patient transfer.

### ATTR150  Title  Emergency Care in Athletic Training.
Prerequisites
Athletic Training majors only.

Special Fee
Special fee.

Number and type of credits
2 hours lecture, 2 hours lab.

Course Description
The study of theory, clinical, competencies and proficiencies necessary to provide emergency care to athletes and physically active individuals. Students who successfully demonstrate competence on the learning outcomes will be eligible for certification in CPR for the Professional Rescuer, Automated External Defibrillation and First Aid. Students will also be instructed in and assessed on Athletic Training competencies and proficiencies related to emergency care for injuries in the athletic training setting. This is a required course for students in the Bachelor of Science in Athletic Training.

ATTR199
Title
Orientation to Athletic Training.

Prerequisites
Athletic Training majors only.

Number and type of credits
1 hour lecture.

Course Description
This course will serve as an introduction to the university experience with emphasis on an introduction to the Athletic Training profession. The goal of this course is to provide a forum for the development of strategies, skills and techniques that promote success in University life and in an allied health degree program. Topics will include MSU expectations, critical thinking, study skills, note-taking, course selection, diversity, wellness, and an understanding of the breadth of athletic training and sports medicine in the schools, community, medical and allied health settings. Students will develop skills in oral presentation, general and discipline-specific written expression, and class participation. Meets Gen Ed 2002 - New Student Seminar.

ATTR201
Title
Pathology of Illness and Injury.

Prerequisites
ATTR 101 and BIOL 244; Athletic Training majors only; permission of instructor.

Corequisites
ATTR 251.

Number and type of credits
2 hours lecture, 1.5 hours lab.

Course Description
This course provides students with a foundation in understanding the pathology, characteristics, signs, symptoms and progression of injuries and illness that occur in individuals who participate in strenuous physical
activity. Students in this course will integrate concepts in anatomy and physiology, injury prevention, and basic concepts in care and rehabilitation of injury and illness as they begin to develop a comprehensive understanding of the processes of injury and illness in the body. This course is a requirement for the B.S. in Athletic Training and is designed for students in that major.

**ATTR211 Title**  
Assessment of Athletic Injuries I - Lower Body.

**Prerequisites**  
ATTR 201, Athletic Training majors only, permission of instructor.

**Corequisites**  
ATTR 252.

**Number and type of credits**  
2 hours lecture, 2 hours lab.

**Course Description**  
The study of theory and techniques required by Athletic Trainers and sports medicine professionals in the evaluation of injuries and conditions to the lower body in physically active individuals. Application of techniques for the assessment of injuries and medical conditions in athletes and physically active individuals will be integrated with laboratory and clinical education experiences. Meets the University Writing Requirement for majors in Athletic Training.

**ATTR212 Title**  
Assessment of Athletic Injuries II - Upper Body.

**Prerequisites**  
ATTR 201, Athletic Training majors only, permission of instructor.

**Corequisites**  
ATTR 351.

**Number and type of credits**  
2 hours lecture, 2 hours lab.

**Course Description**  
Theory and techniques required by athletic trainers and sports medicine professionals in the evaluation of injuries and conditions to the upper body in physically active individuals. Application of techniques for the assessment of injuries and medical conditions in athletes and physically active individuals will be integrated with laboratory and clinical educational experiences. Concepts of medical assessment will also be covered.

**ATTR240 Title**  
Clinical Anatomy.

**Prerequisites**  
Athletic Training majors only.

**Special Fee**  
Special fee.

**Number and type of credits**  
3 hours lecture.

**Course Description**  
In this course, students study the connection between human anatomy and the clinical practice of athletic training. Students will identify human
anatomical structures through the palpation, review, and functional testing of illustrations, anatomical and human models, and diagnostic images. Students will apply anatomical knowledge to palpation and manual testing of anatomical structures including bony structures, muscles, nerves, joints, and ligaments. Students will learn to identify musculoskeletal conditions from diagnostic images. Students will also apply knowledge of human anatomy and physiology to perform neurocognitive functional tests of the nervous system. Students will apply the use of auscultation techniques to identify various pathological conditions of the human body.

ATTR251  Title  Clinical Education in Athletic Training I.
Prerequisites  ATTR 101, Athletic Training majors only, permission of instructor.
Corequisites  ATTR 201.
Special Fee  Special fee.
Number and type of credits  3 hours lecture.
Course Description  The first in a series of courses which provide students in the Athletic Training Education Program with supervised clinical education and experience. Students apply techniques and theory learned in athletic training courses completed to date under the supervision of a clinical instructor.

ATTR252  Title  Clinical Education in Athletic Training II.
Prerequisites  ATTR 201, Athletic Training majors only, permission of instructor.
Corequisites  ATTR 211.
Special Fee  Special fee.
Number and type of credits  3 hours lecture.
Course Description  The second in a series of courses which provide students in the athletic training education program with supervised clinical education and experience. Students apply techniques and theory learned in athletic training courses with specific emphasis on assessment and evaluation of athletic injuries.

ATTR310  Title  General Medical Issues in Athletic Training.
Prerequisites  ATTR 201.
Corequisites  ATTR 212 and ATTR 313 and ATTR 351.
Number and type of credits  3 hours lecture.
Course Description  In this course, students will learn about medical issues, common non
orthopedic illnesses, and pharmacologic interventions in an Athletic Training context. Students will identify the pharmaceutical processes and cellular biochemical determinants of therapeutic interventions. Students will describe the fundamental principles of therapies for various conditions. They will evaluate the reasoning processes involved in solving problems that might arise with athletes or patients receiving care for certain conditions. Students will also discuss the constraints placed on athletes in the performance environment. They will also identify the correct protocols with medication management in an Athletic Training Facility.

**ATTR311**

**Title**

Therapeutic Modalities in Athletic Training.

**Prerequisites**

ATTR 211, ATTR 252, Athletic Training majors only, permission of instructor.

**Number and type of credits**

2 hours lecture, 2 hours lab.

**Course Description**

This class is a study involving the design, theory and application of athletic injuries. Upon successful completion of the class, the student should be able to properly select and properly apply modalities commonly found in the training room as part of a comprehensive program of athletic injury care and rehabilitation.

**ATTR312**

**Title**

Therapeutic Exercise in Athletic Training.

**Prerequisites**

ATTR 211, ATTR 212, ATTR 311, Athletic Training majors only, permission of instructor.

**Corequisites**

ATTR 352.

**Number and type of credits**

2 hours lecture, 2 hours lab.

**Course Description**

This class is a study involving the theory and application of rehabilitative exercise to individuals with athletic injuries. This includes preparation for return to play. Upon successful completion of the class, the student should be able to properly select and properly use therapeutic exercise as part of a comprehensive program of athletic injury care and rehabilitation.

**ATTR320**

**Title**

Mental Health and Crisis Intervention in Athletic Training.

**Prerequisites**

ATTR 201.

**Number and type of credits**

3 hours lecture, 1 hour lab.

**Course Description**

The study of theory, strategies and interventions used in Athletic Training and health care relating to the recognition, identification and appropriate intervention for psychological, social, emotional and mental behaviors. The course will explore topics in the theoretical background of psychological and
emotional responses to injury and/or forced inactivity as well as crisis intervention. Students will learn how to apply psychosocial strategies, mental health interventions and how to identify the need for referral to mental health professionals. Students will study clinical decision making by accessing and incorporating appropriate academic resources to provide evidence based decisions relating to patient care and mental health intervention strategies. Students will also be required to demonstrate clinical application of techniques, strategies and interventions learned in the course. They will be expected to be actively engaged in evidence based application of course concepts under the direction of faculty in the field through laboratory and clinical experiences.

ATTR320 Course Description

ATTR351 Title
Clinical Education in Athletic Training III.
Prerequisites
ATTR 252, Athletic Training majors only, permission of instructor.
Corequisites
ATTR 212.
Special Fee
Special fee.
Number and type of credits
3 hours lecture.
Course Description
The third course to provide students in the athletic training education program with supervised clinical education and experience. Students apply techniques and theory learned in athletic training courses with specific emphasis on the use of therapeutic modalities in the sports medicine setting.

ATTR352 Title
Clinical Education in Athletic Training IV.
Prerequisites
ATTR 351, Athletic Training majors only, permission of instructor.
Corequisites
ATTR 312.
Special Fee
Special fee.
Number and type of credits
3 hours lecture.
Course Description
The fourth course in the professional sequence that provides students in the athletic training education program with instruction in clinical competencies and proficiencies and supervised clinical education and experience. Students apply techniques and theory learned in athletic training courses with specific emphasis on the use of therapeutic modalities in the sports medicine setting.

ATTR360 Title
Clinical Measurement and Instrumentation in Athletic Training and Exercise Science.
Prerequisites
ATTR 212 or PEMJ 320.
Number and type of credits
2 hour lecture, 2 hours lab.
Course Description
The study of methodology and instrumentation used in the fields of Athletic Training and Exercise Science for the investigation of clinical and research questions, problems and hypotheses. The course will explore topics in clinical evaluation, research and investigation. Students will investigate clinical decision making, development of research questions, investigation of scientific literature, experimental designs, methodology, instrumentation, analysis and interpretation of data and methods of incorporating the results of investigation into clinical practice. Students will also be required to demonstrate clinical application of instrumentation and technology into professional practice. Students will be expected to be actively engaged in application of course concepts under the direction of faculty in the field through laboratory and research based experiences.

ATTR411
Title
Administration of Athletic Training Programs.
Prerequisites
ATTR 311, ATTR 312, Athletic Training majors only, permission of instructor.
Corequisites
ATTR 451.
Number and type of credits
3 hours lecture.
Course Description
An overview of administrative components of an athletic training program for high school, college, and professional athletic organizations. Topics include financial management, training room management, personnel management, health care services, and pharmacology for athletic trainers. Practical experiences in budget management, facility organization, pharmacological procedures and issues, and a case study approach to issue resolution are included.

ATTR451
Title
Clinical Education in Athletic Training V.
Prerequisites
ATTR 352, Athletic Training majors only, permission of instructor.
Corequisites
ATTR 411.
Special Fee
Special fee.
Number and type of credits
3 hours lecture.
Course Description
Fifth course to provide students in the athletic training education program with supervised clinical education and experience. Students apply techniques and theory learned in athletic training courses with specific emphasis on the
use of therapeutic exercise and rehabilitation in the sports medicine setting. Students will also be required to incorporate theory and clinical skills from other courses in the program in evaluation and treatment decision making.

<table>
<thead>
<tr>
<th>Title</th>
<th>Internship in Athletic Training.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisites</td>
<td>ATTR 411, ATTR 451, Athletic Training majors only, and permission of instructor.</td>
</tr>
<tr>
<td>Course Description</td>
<td>An upper-level course for students in the B.S. in Athletic Training. In this course students will be able to apply theoretical and practical information learned in the program in a working athletic training setting. Students will work with an Athletic Training Clinical Supervisor at an off-campus venue. The course also provides the student the opportunity to discuss and evaluate the fieldwork experience as well as the field of athletic training through class meetings.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Title</th>
<th>Seminar in Athletic Training.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisites</td>
<td>ATTR 411, Athletic Training majors only, senior status, permission of instructor.</td>
</tr>
<tr>
<td>Number and type of credits</td>
<td>3 hours lecture.</td>
</tr>
<tr>
<td>Course Description</td>
<td>The capstone course for students in the athletic training education program. Students summarize and draw together their didactic and clinical education in preparation for the National Athletic Trainers' Association Board of Certification Examination. Students also explore subjects and current issues germane to the field of athletic training.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Title</th>
<th>Theory of Professional Practice in Athletic Health Care.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisites</td>
<td>Admission to the Master of Science in Athletic Training or departmental approval.</td>
</tr>
<tr>
<td>Number and type of credits</td>
<td>3 hours lecture.</td>
</tr>
<tr>
<td>Course Description</td>
<td>In this course, students investigate the theory, regulations and current best practices in Athletic Training and health care as they relate to various practice settings. They explore practice settings and venues, the impact of legislation and regulation on professional practice, and current trends in health care for individuals who participate in strenuous physical activity. Students also study third party compensation methods and administrative concerns relating to the various practice venues of Athletic Training and Sports Medicine.</td>
</tr>
<tr>
<td>Course Code</td>
<td>Title</td>
</tr>
<tr>
<td>-------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>ATTR503</td>
<td>Advanced Treatment and Rehabilitation Programming.</td>
</tr>
<tr>
<td>ATTR510</td>
<td>Sports Medicine Issues for Athletes in Special Populations.</td>
</tr>
<tr>
<td>ATTR511</td>
<td>Technology in Sports Medicine.</td>
</tr>
<tr>
<td>ATTR520</td>
<td>Instructional Methods and Assessment of Students in Athletic Training Clinical</td>
</tr>
</tbody>
</table>
ATTR560  Title  Theory of Evidence Based Practice.
Prerequisites  ATTR 501 and PEMJ 502.
Number and type of credits  3 hours lecture.
Course Description  Students explore the methodology and instrumentation used in the fields of Athletic Training and Exercise Science for the investigation of clinical and research questions and problems. They explore topics in clinical evaluation, research and investigation. Students study clinical decision making, development of research questions, methods of reviewing scientific literature, experimental designs, methodology and instrumentation. Students learn about Evidence Based Practice by conducting analyses and interpretation of data, incorporating the results of their investigation into solutions for clinical problems. Students demonstrate evidence based application of instrumentation and technology into professional practice. They apply course concepts in the field through laboratory and research based experiences. The course is presented using hybrid teaching methods.

ATTR591  Title  Graduate Athletic Training Mentorship.
Prerequisites  ATTR 501 and ATTR 510 and ATTR 511.
Number and type of credits  3 hours lecture.
Course Description  In this advanced course students in the Master of Science in Athletic Training learn and apply theory, methods and structured experiences in professional mentoring in Athletic Training and the medical professions. Students learn about the value and use of professional mentoring relationships and the relationships between leaders and novices. The students gain practical experience by serving as mentors to young professionals and/or undergraduate