

SPORTS MEDICINE (SMED)

SMED 5100 CPR and Basic Life Support

1 Semester Credit Hour (1 Lecture Hour)

SMED 5100 PROVIDES THE SKILLS NEEDED BY HEALTH CARE PROFESSIONALS WHO ARE TRAINED TO RESPOND TO BREATHING, CARDIAC, AND OTHER FIRST AID EMERGENCIES. THIS INCLUDES THE USE OF AUTOMATED EXTERNAL DEFIBRILLATION (AED), OXYGEN, SUCTIONING, AND AIRWAY MANAGEMENT DEVICES TO CARE FOR A VICTIM OF BREATHING OR CARDIAC EMERGENCIES. THIS COURSE WILL BE TAKEN TWICE; ONCE IN THE SUMMER OF FIRST YEAR IN THE PROGRAM FOR INITIAL CERTIFICATION AND THEN AGAIN IN THE SUMMER OF THE SECOND YEAR IN THE PROGRAM FOR RECERTIFICATION.

SMED 5101 Athletic Training Clinical Experience I

1 Semester Credit Hour

SMED 5101 OFFERS A FIELD-BASED PROFESSIONAL EXPERIENCE TO PROVIDE STUDENTS THE OPPORTUNITY TO APPLY KNOWLEDGE AND THEORY RELATED TO THE PHILOSOPHY, PRINCIPLES, AND COMPETENCIES IN THE FIELD OF ATHLETIC TRAINING.

SMED 5102 Athletic Training Clinical Experience II

1 Semester Credit Hour

SMED 5102 OFFERS A FIELD-BASED PROFESSIONAL EXPERIENCE TO PROVIDE STUDENTS THE OPPORTUNITY TO APPLY KNOWLEDGE AND THEORY RELATED TO THE PHILOSOPHY, PRINCIPLES, AND COMPETENCIES IN THE FIELD OF ATHLETIC TRAINING.

Prerequisite: SMED 5101 and 5323 or SMED 5323.

SMED 5103 Athletic Training Clinical Experience III

1 Semester Credit Hour

SMED 5103 OFFERS A FIELD-BASED PROFESSIONAL EXPERIENCE TO PROVIDE STUDENTS THE OPPORTUNITY TO APPLY KNOWLEDGE AND THEORY RELATED TO THE PHILOSOPHY, PRINCIPLES, AND COMPETENCIES IN THE FIELD OF ATHLETIC TRAINING.

Prerequisite: SMED 5102 and 5334 or SMED 5334.

SMED 5104 Athletic Training Clinical Experience IV

1 Semester Credit Hour

SMED 5104 OFFERS A FIELD-BASED PROFESSIONAL EXPERIENCE TO PROVIDE STUDENTS THE OPPORTUNITY TO APPLY KNOWLEDGE AND THEORY RELATED TO THE PHILOSOPHY, PRINCIPLES, AND COMPETENCIES IN THE FIELD OF ATHLETIC TRAINING.

Prerequisite: SMED 5103 and 5343 or SMED 5343.

SMED 5105 Athletic Training Clinical Experience V

1 Semester Credit Hour

SMED 5105 OFFERS A FIELD-BASED PROFESSIONAL EXPERIENCE TO PROVIDE STUDENTS THE OPPORTUNITY TO APPLY KNOWLEDGE AND THEORY RELATED TO THE PHILOSOPHY, PRINCIPLES, AND COMPETENCIES IN THE FIELD OF ATHLETIC TRAINING.

Prerequisite: SMED 5104 and 5335 or SMED 5335.

SMED 5200 Taping, Bracing, and Preventative Care in Athletic Training

2 Semester Credit Hours (2 Lecture Hours)

SMED 5200 PROVIDES STUDENTS WITH LAB-BASED INSTRUCTIONS AND EXPERIENCES TO INTRODUCE THE VARIOUS PRODUCTS AND EQUIPMENT USED IN THE DEVELOPMENT AND CONSTRUCTION OF PADS AND BRACES FOR INJURY PREVENTION DURING SPORT AND PHYSICAL ACTIVITY. STUDENTS WILL LEARN HOW TO APPLY TAPING, BRACING, BANDAGING AND PADDING TECHNIQUES THAT ARE COMMON PRACTICE IN ATHLETIC TRAINING.

Prerequisite: SMED 5321 or 5321.

SMED 5310 Evidence Based Practice

3 Semester Credit Hours (3 Lecture Hours)

SMED 5310 PREPARES STUDENTS WITH THE KNOWLEDGE, SKILLS AND ABILITIES NECESSARY TO MAKE INDEPENDENT JUDGMENTS ABOUT THE VALIDITY, RESULTS, AND APPLICATION OF CLINICAL RESEARCH AND TO IMPLEMENT EVIDENCE-BASED CLINICAL PRACTICE IN THEIR CAREERS.

Prerequisite: SMED 5311 or 5311.

SMED 5311 Research Methods I

3 Semester Credit Hours (3 Lecture Hours)

SMED 5311 PROVIDES STUDENTS WITH AN INTELLECTUAL OPPORTUNITY TO EXPLORE THE METHODS AND DESIGNS ASSOCIATED WITH RESEARCH. THIS COURSE EXPLORES THE PROCESS AND METHODS OF SCIENTIFIC INQUIRY AND INTERPRETATION OF RESEARCH FINDINGS IN ATHLETIC TRAINING. STUDENTS WILL GAIN FAMILIARITY WITH THE MAJOR ELEMENTS OF RESEARCH INCLUDING LITERATURE REVIEW, QUANTITATIVE AND QUALITATIVE METHODOLOGY, DESIGN, EVALUATION OF RESEARCH, STATISTICAL ANALYSIS, PRESENTATION OF DATA, AND ETHICAL CONSIDERATIONS.

Prerequisite: SMED 5101 or 5101.

SMED 5312 Research Methods II

3 Semester Credit Hours (3 Lecture Hours)

SMED 5312 PROVIDES STUDENTS WITH AN INTELLECTUAL OPPORTUNITY TO INTEGRATE THEIR KNOWLEDGE OF RESEARCH BASICS AND CLINICAL SKILLS, WITH A POSSIBILITY FOR PUBLICATION.

Prerequisite: SMED 5311, 5313 and 5105 or SMED 5105.

SMED 5313 Biological Statistics for Athletic Training

3 Semester Credit Hours (3 Lecture Hours)

SMED 5313 PRESENTS A STUDY OF THE BASIC BIOLOGICAL STATISTICAL CONCEPTS AND THEIR APPLICATION TO RESEARCH PROBLEMS IN ATHLETIC TRAINING. KNOWLEDGE OF BIOLOGICAL STATISTICS IS IMPERATIVE AS STUDENTS ARE REQUIRED TO PARTICIPATE IN A CASE STUDY, CRITICALLY APPRAISED TOPIC, AND/OR RESEARCH PROJECT. STUDENTS ARE ENCOURAGED TO PUBLISH THUS ADDING TO THE BODY OF KNOWLEDGE WITHIN ATHLETIC TRAINING. TOPICS WILL INCLUDE ISSUES RELATED TO DESCRIPTIVE AND INFERENCE STATISTICS.

Prerequisite: SMED 5311 and 5102 or SMED 5102.

SMED 5321 Lower Extremity Assessment, Evaluation and Management

3 Semester Credit Hours (3 Lecture Hours)

SMED 5321 PROVIDES STUDENTS WITH GENERAL KNOWLEDGE OF EVALUATION TECHNIQUES OF ATHLETIC INJURIES TO THE LOWER EXTREMITIES INCLUDING HISTORY TAKING, OBSERVATION, PALPATION, NEUROLOGIC AND ORTHOPEDIC TESTING AS WELL AS ITS ACUTE MANAGEMENT AND DOCUMENTATION. STUDENTS WILL LEARN TO UTILIZE CRITICAL THINKING SKILLS TO EVALUATE DIFFERENTIAL DIAGNOSIS AND ANALYZE THE PATIENT'S SIGNS AND SYMPTOMS TO DEFEND A CLINICAL DIAGNOSIS.

Prerequisite: SMED 5341, 5310 and 5200 or SMED 5200.

SMED 5322 Upper Extremity Assessment, Evaluation and Management

3 Semester Credit Hours (3 Lecture Hours)

SMED 5322 PROVIDES STUDENTS WITH GENERAL KNOWLEDGE OF EVALUATION TECHNIQUES OF ATHLETIC INJURIES TO THE UPPER EXTREMITIES INCLUDING HISTORY TAKING, OBSERVATION, PALPATION, NEUROLOGIC AND ORTHOPEDIC TESTING AS WELL AS ITS ACUTE MANAGEMENT AND DOCUMENTATION. STUDENTS WILL LEARN TO UTILIZE CRITICAL THINKING SKILLS TO EVALUATE DIFFERENTIAL DIAGNOSIS AND ANALYZE THE PATIENT'S SIGNS AND SYMPTOMS TO DEFEND A CLINICAL DIAGNOSIS.

Prerequisite: SMED 5321 and 5311 or SMED 5311.

SMED 5323 Head, Neck & Spine Extremity Assessment, Evaluation and Management

3 Semester Credit Hours (3 Lecture Hours)

SMED 5323 PROVIDES STUDENTS WITH GENERAL KNOWLEDGE OF EVALUATION TECHNIQUES OF ATHLETIC INJURIES TO THE HEAD, NECK AND SPINE INCLUDING HISTORY TAKING, OBSERVATION, PALPATION, NEUROLOGIC AND ORTHOPEDIC TESTING AS WELL AS ITS ACUTE MANAGEMENT AND DOCUMENTATION. STUDENTS WILL LEARN TO UTILIZE CRITICAL THINKING SKILLS TO EVALUATE DIFFERENTIAL DIAGNOSIS AND ANALYZE THE PATIENT'S SIGNS AND SYMPTOMS TO DEFEND A CLINICAL DIAGNOSIS.

Prerequisite: SMED 5322 and 5332 or SMED 5332.

SMED 5324 General Medical Conditions in the Athlete

3 Semester Credit Hours (3 Lecture Hours)

SMED 5324 WILL PROVIDE STUDENTS WITH LECTURES, DISCUSSIONS, AND LABORATORY ACTIVITIES CONCERNING GENERAL MEDICAL CONDITIONS, EVALUATION TECHNIQUES, AND ATHLETIC INJURIES TO INTERNAL ORGANS. IN ADDITION, INTER-PROFESSIONAL WORKING RELATIONSHIPS WITH OTHER HEALTH AND MEDICAL PROFESSIONALS AND THE ROLE OF AN ATHLETIC TRAINER WITHIN THE HEALTHCARE SYSTEM WILL BE DISCUSSED AND EXPLORED.

Prerequisite: SMED 5323 and 5103 or SMED 5103 and 5333 or SMED 5333.

SMED 5331 Therapeutic Intervention I

3 Semester Credit Hours (3 Lecture Hours)

SMED 5331 PROVIDES THE STUDENT WITH KNOWLEDGE OF CURRENT THEORY AND APPLICATION OF THERAPEUTIC MODALITIES USED IN THE TREATMENT OF MUSCULOSKELETAL INJURIES.

Prerequisite: SMED 5200 and 5341 and (SMED 5101 or 5101 and SMED 5322 or 5322).

SMED 5332 Therapeutic Intervention II

3 Semester Credit Hours (3 Lecture Hours)

SMED 5332 PROVIDES THE STUDENT WITH KNOWLEDGE OF CURRENT THEORY AND APPLICATION OF THERAPEUTIC EXERCISES AND MANUAL THERAPY USED IN THE TREATMENT OF MUSCULOSKELETAL INJURIES.

Prerequisite: SMED 5323, 5331 and 5102 or SMED 5102.

SMED 5333 Pharmacology for the Athlete

3 Semester Credit Hours (3 Lecture Hours)

SMED 5333 WILL INCLUDE LECTURES AND DISCUSSION OF SELECTED SPORTS MEDICINE TOPICS FOCUSING ON PHARMACOLOGY IN ATHLETICS AND ACTIVITY. STUDENTS WILL EXAMINE DIFFERENT CLASSES OF MEDICATION AND THEIR IMPACT ON SPORTS AND EXERCISE. IN ADDITION, INTER-PROFESSIONAL WORKING RELATIONSHIPS WITH OTHER HEALTH AND MEDICAL PROFESSIONALS AND THE ROLE OF AN ATHLETIC TRAINER WITHIN THE HEALTHCARE SYSTEM WILL BE DISCUSSED AND EXPLORED. WRITTEN ASSIGNMENTS ARE DESIGNED TO PROVIDE THE STUDENT WITH AN OPPORTUNITY TO DEMONSTRATE THEIR LIBRARY RESEARCH AND WRITTEN COMMUNICATION SKILLS.

Prerequisite: SMED 5332 and 5324 or SMED 5324.

SMED 5334 Emerging Practices in Athletic Training

3 Semester Credit Hours (3 Lecture Hours)

SMED 5334 PROVIDES STUDENTS WITH CREATIVE, FLEXIBLE AND INNOVATIVE LEARNING EXPERIENCES ON KEY EMERGING CONCEPTS AND TECHNIQUES THAT ARE NEWLY ARISING WITHIN THE FIELD OF ATHLETIC TRAINING. CONTENT AND INSTRUCTION WILL EXAMINE NEW TECHNOLOGY IN THE FIELD, EMERGING THEORIES, LEGAL/ETHICAL CHALLENGES AND CHANGES, AS WELL AS OTHER EVOLVING ISSUES WITHIN THE PROFESSION OF ATHLETIC TRAINING.

Prerequisite: SMED 5333 and (SMED 5104 or 5104 and SMED 5342 or 5342).

SMED 5335 Athletic Training Seminar

3 Semester Credit Hours (3 Lecture Hours)

SMED 5335 PROVIDES STUDENTS WITH AN ORGANIZED STUDY SESSION TO PREPARE STUDENTS TO BE ELIGIBLE TO SIT FOR THE BOARD OF CERTIFICATION (BOC) NATIONAL EXAMINATION. THIS COURSE IS IN LINE WITH THE 6TH ROLE DELINEATION STUDY FROM THE BOC.

Prerequisite: SMED 5343 and 5105 or SMED 5105.

SMED 5341 Law & Ethics in Athletic Training

3 Semester Credit Hours (3 Lecture Hours)

SMED 5341 PROVIDES STUDENTS WITH KNOWLEDGE CONCERNING THE LEGAL AND ETHICAL ISSUES ASSOCIATED WITH THE PRACTICE OF ATHLETIC TRAINING AND OTHER HEALTH CARE FIELDS. THIS COURSE EXAMINES THE LEGAL PRINCIPLES INCLUDING NEGLIGENCE, TORT, AND LIABILITY AS WELL AS OTHER ISSUES CONCERNING THOSE PRACTICING ATHLETIC TRAINING. IN ADDITION, THIS COURSE WILL EXAMINE MORAL AND ETHICAL ISSUES IN THE FIELD WHICH MAY OR MAY NOT ALIGN WITH THE LEGAL ISSUES IN THE FIELD. THIS COURSE IS DESIGNED TO ENGAGE STUDENTS IN CRITICAL THINKING AND TO CHALLENGE THEM TO BEGIN TO THINK ABOUT THEIR LIVES FROM A LEGAL AND ETHICAL PERSPECTIVE.

Prerequisite: SMED 5310 or 5310.

SMED 5342 Sports Psychology in Athletic Training

3 Semester Credit Hours (3 Lecture Hours)

SMED 5342 INCLUDES ASPECTS OF PSYCHOLOGY FOR UNDERSTANDING AND EXPLAINING BEHAVIORS IN THE CONTEXT OF EXERCISE AND SPORT. DISCUSSIONS OF IDENTIFYING HIGH-RISK INDIVIDUALS, COUNSELING AND REFERRING INDIVIDUALS FOR HELP ARE EMPHASIZED. THIS COURSE WILL ALSO EXAMINE THE RELATIONSHIPS BETWEEN PSYCHOLOGICAL FACTORS AND HUMAN PHYSICAL ACTIVITY WHILE OBTAINING PEAK PERFORMANCE. EVALUATING PUBLISHED RESEARCH, PARTICULARLY THEORY AND RESEARCH METHODOLOGY PRACTICES WILL BE REQUIRED. MOTIVATIONAL INTERVIEWING AND BEHAVIORAL CHANGE THEORY WILL BE BRIEFLY DISCUSSED.

Prerequisite: SMED 5334 or 5334.

SMED 5343 Administration, Leadership, & Professional Development in Athletic Training

3 Semester Credit Hours (3 Lecture Hours)

SMED 5343 PROVIDES THE GENERAL KNOWLEDGE AND APPLICATION OF ATHLETIC TRAINING ADMINISTRATION INCLUDING FACILITY DESIGN, INSURANCE CLAIMS, LIABILITY ISSUES, AND INJURY AND TREATMENT RECORDS. THIS COURSE IS DESIGNED TO ENGAGE STUDENTS IN CRITICAL THINKING AND TO CHALLENGE THEM TO BEGIN TO THINK ABOUT THEIR LIVES FROM A PROFESSIONAL LEADERSHIP PERSPECTIVE. THIS COURSE IS IN LINE WITH THE 5TH ROLE DELINEATION STUDY FROM THE BOC.

Prerequisite: SMED 5333 and 5104 or SMED 5104.