



SCHOOL of PHYSICAL THERAPY  
**BELMONT**  
UNIVERSITY

## **ACUTE MANAGEMENT OF INJURY & ILLNESS - (AMII)**

**American Red Cross - EMERGENCY MEDICAL RESPONSE CERTIFICATION COURSE**

The main focus of this course is related to understanding the role that physical therapists play in the field of sports physical therapy with an emphasis on the acute management of traumatic injuries and/or sudden illness. The format of the course includes lectures, discussions, laboratory experiences, and problem-based, patient-centered case study learning activities. Students who successfully complete this course will also receive American Red Cross certification in professional rescuer CPR and First Responder certification, American Heart Association CPR certification, and ImPact concussion physical therapy certification (ITPT).

**Note:** This is a mandatory 2 credit hour course within Belmont University School of Physical Therapy. Additionally, this course is approved by the Tennessee Physical Therapy Association for 32 contact hours (3.2 CEU)

### **American Red Cross – Emergency Medical Response Certification Course**

Note: Participant must complete the Emergency Medical Response Workbook prior to the start of the class.

### **ImPact Concussion Training Online Program: ITPT Certification** (Completed prior to the start of class)

- Concussion Clinical Trajectories – Concussion Assessment/Management
- Post-Concussion Rehabilitation: Vestibular Therapy
- Post-Concussion Rehabilitation: Cervical Spine
- Vision Therapy
- Concussion Management: From Rehab to Return to Activity

**Day 1:** 07:30 – 12:00 Course Introduction  
Epidemiology of Sports Injuries  
Overview of EMS Systems  
Prevention of Disease Transmission  
Legal and Ethical Issues in Sports Medicine / Scope of Care with Athletic Injuries  
Initial Assessment: Primary & Secondary Assessment  
LQ-Ankle Taping (Demonstration / Lab)

01:00 – 05:30 Airway / Breathing Emergencies / Oxygen Administration  
Airway / Breathing Emergencies / Oxygen Administration Lab  
---Cardiac Emergencies – Sudden Cardiac Death in the Athlete  
Cardiac Emergencies Lab: CPR with AED Administration  
CPR/AED Practical & Written Test

**Day 2:** 07:30 – 12:30 Lecture / Lab  
--Use and administration of EpiPen  
Specific Injuries / General Medical Chest / Thorax / Abdominal Injuries  
Environmental Conditions:  
--Weather Related: Heat/Cold Emergencies  
--Weather Related: Lightning Emergencies  
--Fluid and electrolyte replacements  
--Altitude Related Emergencies  
UQ-Hand and Thumb Taping (Demonstration / Lab)

01:30 – 05:30 Fracture-Dislocation Management / Fracture-Dislocation Management Lab  
Head Injuries / Concussion Management  
--Review ITPT Certification Material - VOMS Assessment Lab  
--Facial Injuries: Nasal and Ocular Injuries  
Spine Injuries  
---Cervical Spine Injuries  
---Equipment removal: Lecture/Lab  
---Spine Boarding: Lecture / Lab

**Day 3:** 07:30 – 12:00 Other Considerations in the Management of the Athlete  
--Chronic Respiratory Conditions in the Athlete  
--Dermatologic Concerns / Considerations  
--Female Athlete: General Considerations  
--Ergogenic Aids through Drugs and Doping  
--Pre-Season Screening  
--Nutritional Concerns for the Athlete  
-- Doping Control: Drugs and Doping  
--Adaptive Sports Emergencies

12:30 – 05:00 Emergency Response Practical Exam (Includes Taping) Emergency Response Written Test

For more information, contact the Belmont University School of Physical Therapy:  
<https://www.belmont.edu/academics/majors-programs/dpt-physical-therapy/>

<b>Course Title</b>	<b>Emergency Medical Response for the Athlete Acute Management of Injury &amp; Illness</b>	<b>Intended Audience (PT, OT, ATC, ETC)</b>	PT
<b>Overall Course Overview and Description</b>	<p>The main focus of this course is related to understanding the role that physical therapists play in the field of sports physical therapy with an emphasis on the acute management of traumatic injuries and/or sudden illness. The format of the course includes lectures, discussions, laboratory experiences, and problem-based, patient-centered case study learning activities. Students who successfully complete this course will also receive American Red Cross certification in professional rescuer CPR and First Responder certification, American Heart Association CPR certification, and ImPact concussion physical therapy certification (ITPT).</p> <p>Note: This is a mandatory 2 credit hour course within Belmont University School of Physical Therapy. Additionally, this course is approved by the Tennessee Physical Therapy Association for 32 contact hours (3.2 CEU)</p>		
<b>Course Objectives (Insert Rows as Necessary)</b>			
<b>Objective #1</b>	Examine the patient/client with acute sports-related injuries/illness.		
<b>Objective #2</b>	Evaluate examination data to determine the nature of the injury/illness and need for immediate medical attention.		
<b>Objective #3</b>	Determine if the patient/client can return to competition based on information obtained during the initial and subsequent evaluations.		
<b>Objective #4</b>	Provide emergency care, management of injury, and transport if needed.		
<b>Objective #5</b>	Develop criteria for return to activity based on current research literature.		
<b>Objective #6</b>	Advise parents, coaches, and administration as to the signs and symptoms of a worsening condition if the athlete is not sent to the emergency room.		
	Inform athletes, parents, coaches, and administration of the return-to-activity criteria		
	Demonstrate the ability to choose and apply the appropriate first responder skills in the pre-hospital care of the injured industrial worker.		
	Distinguish a victim with adequate breathing from a victim with inadequate breathing.		
	Demonstrate how to open an airway and give rescue breathing to an adult, child, and infant.		
	Demonstrate how to clear an airway obstruction in a conscious and unconscious adult, child, and infant.		
	Describe and demonstrate how to measure and insert an oral and nasal airway.		
	Describe and demonstrate how to ventilate a victim with a resuscitation mask and a bag-valve mask.		
	Identify when it is important to administer supplemental oxygen and demonstrate how to prepare the equipment and administer supplemental oxygen to a breathing and non-breathing victim.		
	Describe and demonstrate the methods used to assess circulation.		
	Describe and demonstrate the proper technique for chest compressions on an adult, child, and infant.		
	Describe and demonstrate how to perform one-rescuer CPR for an adult, child, and infant.		
	Describe and demonstrate how to perform two-rescuer CPR.		
	Describe the rationale and explain why early defibrillation is appropriate.		

	Describe and demonstrate how to use an AED.
	Describe and demonstrate how to assess for and control severe external bleeding.
	Describe how to care for a victim who exhibits the signs and symptoms of internal bleeding
	Describe and demonstrate the steps in the emergency medical care for open soft tissue injuries, open chest wounds, abdominal wounds, embedded objects, and amputations.
	Describe and demonstrate the emergency medical care for a victim who has a painful, swollen, deformed extremity
	Describe and demonstrate how to evaluate a responsive victim with a suspected head, neck, or back injury
	Describe and demonstrate in-line stabilization procedures of the head and neck.
	Evaluate environmental conditions and determine the effect the conditions will have on performance and modify practice/games/conditioning accordingly.
	Counsel athletes, parents, coaches, and administrators as to the impact of pharmacologic and pharmacodynamics on the athlete and his/her participation in athletics.
	Counsel athletes, parents, and coaches regarding the interventions for various infectious diseases, including interventions for preventing the spread of disease among team members.
	Plan, coordinate, and/or administer pre-participation physical examinations for the purpose of screening for and recognizing medical conditions or injuries that might affect or preclude the athlete's participation.
	Educate athletes, parents, coaches, and administrators regarding appropriate training principles, participation, physical limitations, equipment, or other areas that affect the health and well-being of athletes.
	Educate athlete's parents, coaches, and administrators on injury prevention and potential safety risk.
	Educate others using a variety of teaching methods that are commensurate with the needs and unique characteristics of the learner.
	Participate in scholarly activities concerned with maintaining current knowledge, applying principles of evidenced-based practice in sports physical therapy, and contributing to the body of knowledge in sports physical therapy.

**Didactic/Lecture/On-Line Course Schedule/Content**

Topic Title	Time (Min)	Faculty Name and Credentials	Teaching Method (Online, In Person) List all used	Check if for Initial, MOSC, or Both		Assessment Method (Verbal, Written) List all methods
				Initial AMII	MOSC AMII	
Epidemiology of Sports Injuries	60	Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA	In-Person	x	X	Written
Overview of EMS Systems – Emergency Action Plans	30	Justin Smith PT, DPT, SCS, RN	In-Person	x	X	Written
Prevention of Disease Transmission	30	Justin Smith PT, DPT, SCS, RN	In-Person	x	X	Written
Legal and Ethical Issues in Sports Medicine / Scope of Care with Athletic Injuries	30	Justin Smith PT, DPT, SCS, RN	In-Person	x	X	Written

Initial Assessment: Primary & Secondary Assessment	60	Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA Justin Smith PT, DPT, SCS, RN	In-Person	x	X	Written
Management of anaphylaxis by EpiPen (Narcan administration)	45	Justin Smith PT, DPT, SCS, RN	In-Person	x	x	Written
Airway / Breathing Emergencies / Oxygen Administration	120	Chris Wolfe PT, DPT, OCS	In-Person	x	X	Written
Cardiac Emergencies – CPR/AED administration (Both ARC & AHA certification)	120	Chris Wolfe PT, DPT, OCS	In-Person	X	X	Written – Oral - Practical
Cardiac Emergencies – Sudden Cardiac Death in the Athlete	30	Chris Wolfe PT, DPT, OCS	In-Person	x	X	Written
Wound Management / Bleeding and Shock	60	Chris Wolfe PT, DPT, OCS	In-Person	x	X	Written
Specific Injuries / General Medical Chest / Thorax / Abdominal Injuries	60	Justin Smith PT, DPT, SCS, RN	In-Person	x	X	Written
Weather Related: Heat/Cold Emergencies	40	Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA	In-Person	x	X	Written
Weather Related: Lightning Emergencies	20	Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA	In-Person	x	X	Written
Fluid and electrolyte replacements	20	Chris Wolfe PT, DPT, OCS	In-Person	x	X	Written
Altitude Related Emergencies	30	Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA	In-Person	x	x	Written
Fracture-Dislocation Management	60	Justin Smith PT, DPT, SCS, RN	In-Person	x	X	Written
Head Injuries / Concussion Management	120	Justin Smith PT, DPT, SCS, RN	In-Person	x	X	Written
Facial Injuries: Nasal, Ocular, Dental Injuries	60	Justin Smith PT, DPT, SCS, RN	In-Person	x	X	Written
Spine Injuries: Cervical-Thoracic-Lumbar	60	Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA	In-Person	x	X	Written
Chronic Respiratory Conditions in the Athlete	60	Chris Wolfe PT, DPT, OCS	In-Person	x	X	Written
Dermatologic Concerns / Considerations	30	Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA	In-Person	x	X	Written
Female Athlete: General Considerations	30	Chris Wolfe PT, DPT, OCS	In-Person	x	X	Written
Ergogenic Aids through Drugs and Doping	30	Chris Wolfe PT, DPT, OCS	In-Person	x	X	Written
Pre-Season Screening	30	Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA	In-Person	x	X	Written

Nutritional Concerns for the Athlete	45	Chris Wolfe PT, DPT, OCS	In-Person	x	X	Written
Doping Control: Drugs and Doping	20	Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA	In-Person	x	X	Written
Adaptive Sports Emergencies	30	Justin Smith PT, DPT, SCS, RN	In-Person	x	X	Written
						Written
<b>Total Time (1 CEU or CCU/Hour)</b>	22 hrs					
<b>Practical/Laboratory Course Content</b>						
Topic Title	Time (Min)	Faculty Name and Credentials	Teaching Method (Online, In Person) List all used	Check if for Initial, MOSC, or Both		Assessment Method (Verbal, Written) List all methods
				Initial AMII	MOSC AMII	
LQ-Ankle Taping (Demonstration / Lab)	45	Justin Smith PT, DPT, SCS, RN Chris Wolfe PT, DPT, OCS Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA	In-Person	x	X	Practical
Airway / Breathing Emergencies / Oxygen Administration Lab	60	Justin Smith PT, DPT, SCS, RN Chris Wolfe PT, DPT, OCS Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA	In-Person	x	X	Oral-Practical
Cardiac Emergencies Lab: CPR with AED Administration	60	Justin Smith PT, DPT, SCS, RN Chris Wolfe PT, DPT, OCS Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA	In-Person	x	X	Oral-Practical
Use and administration of Epipen / Narcan	30	Justin Smith PT, DPT, SCS, RN Chris Wolfe PT, DPT, OCS Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA	In-Person	x	X	Oral
Wound Management / Bleeding and Shock	60	Justin Smith PT, DPT, SCS, RN Chris Wolfe PT, DPT, OCS Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA	In-Person	x	X	Oral-Practical
UQ-Hand and Thumb Taping (Demonstration / Lab)	30	Justin Smith PT, DPT, SCS, RN Chris Wolfe PT, DPT, OCS Mike Voight PT, DHSc, SCS, OCS,	In-Person	x	X	Practical

		ATC, CSCS, FAPTA				
Fracture-Dislocation (Immobilization/Reduction) Management Lab	120	Justin Smith PT, DPT, SCS, RN Chris Wolfe PT, DPT, OCS Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA	In-Person	x	X	Oral-Practical
Review ITPT Certification Material - VOMS Assessment Lab	45	Chris Wolfe PT, DPT, OCS Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA	In-Person	x	X	Oral-Practical
Equipment removal: Lecture/Lab	60	Justin Smith PT, DPT, SCS, RN Chris Wolfe PT, DPT, OCS Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA	In-Person	x	X	Oral-Practical
Immobilization/Spine Boarding: Lecture / Lab	90	Justin Smith PT, DPT, SCS, RN Chris Wolfe PT, DPT, OCS Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA	In-Person	x	X	Oral-Practical
<b>Total Time (1 CEU or CCU/Hour)</b>	<b>10.0 hrs</b>					

**Speaker Bio: Courses seeking ABPTS SCS approval for AMII should include a short bio on speakers here. Individuals who are seeking to know if a course is acceptable should submit as much information as possible about the speaker.**

<b>Name and Credentials</b>	<b>Short Bio of Speaker (Insert rows as necessary)</b>
<p><b>Mike Voight PT, DHSc, SCS, OCS, ATC, CSCS, FAPTA</b></p>	<p>Dr. Michael Voight has had a distinguished career as both an educator and clinical physical therapist for over 30 years. Throughout his career he has not only become one of the leading authorities in the rehabilitation of orthopedic and sports injuries, but he has also worked tirelessly to advance the knowledge of others as a clinician and educator by making significant contributions to the literature.</p> <p>Presently, Dr. Voight is a tenured professor with Belmont University’s School of Physical Therapy in Nashville TN. He also holds the position of Adjunct Associate Professor in the Vanderbilt School of Medicine – Department of Orthopedics where he is the Co-Director of the Vanderbilt/Belmont Sports Physical Therapy Residency program. Additionally, Dr. Voight is the Residency Director for the Belmont-Tennessee Orthopaedic Alliance/Tennessee Titans sport clinical residency. Dr. Voight is recognized as a clinician of the highest caliber and has worked with a number of high-profile athletic organizations. Throughout his career, Dr. Voight has served as a Team Physical Therapist for teams in both the NFL and NBA. In addition, Dr. Voight has consulted with various teams in MLB, NHL and the MLS. Dr. has been active with the United States Olympic Committee's Sports Medicine Division. He has worked at the Olympic Training Center, Olympic Festivals, Pan Am Games, Olympic Games, and has had the opportunity to travel to almost all of the different continents with various Olympic and national teams. Dr. Voight still maintains a clinical practice specializing in orthopedic and sports related injuries, particularly with PGA tour players. His role with the advisory board of the Titleist Performance Institute allows him to consult on the prevention, evaluation, and treatment of golf injuries with many noted golf professionals.</p> <p>Throughout his career, Dr. Voight has been very active in developing clinical functional movement assessments for both</p>



	<p>prevention of injury and evaluation of injury. These clinical systems are recognized internationally as one standard for evaluating movement. As one of the co-founders of the Selective Functional Movement Assessment (SFMA), his passion for assessing and training the human movement system continues to evolve. He has served on the APTA movement system task force to further define the human movement system and develop a framework for promoting and integrating the concept of the human movement system into physical therapy practice, education, and research.</p> <p>Dr. Voight has lectured extensively at various conferences, symposiums, and congresses both nationally and internationally, having given over 950 professional presentations on a variety of orthopedic and sports medicine topics. Dr Voight holds a senior teaching position for the North American Institute of Sports Physical Therapy (<a href="http://www.rehabeducation.com">www.rehabeducation.com</a>). Dr. Voight is a principal reviewer for many journals and actively resides on the editorial boards of several different journals including the prestigious American Journal of Sports Medicine and Orthopaedic Journal of Sports Medicine. He played an instrumental role in the development of the North American Journal of Sports Physical Therapy and is currently the Executive Editor-in-Chief of the International Journal of Sports Physical Therapy. He has authored over 90 papers, textbook chapters on various topics, and has written four textbooks on functional exercise. During his career, he has been awarded the Distinguished Educator Award from the Sports Physical Therapy Section three times making him the only person to have been presented this award multiple times and in 2010 he was presented with the inaugural SPTS “Lifetime Excellence in Education Award”. Additionally, he has been awarded the Tennessee Educator of the year twice.</p>
<p><b>Chris Wolfe PT, DPT, OCS</b></p>	<p>Chris Wolfe is a seasoned professional in the field of physical therapy, bringing over 17 years of dedicated experience to the healthcare landscape. As a board-certified orthopedic specialist, Chris has demonstrated a commitment to excellence in the assessment, treatment, and rehabilitation of musculoskeletal conditions.</p> <p>For the past six years, Chris has been imparting knowledge and shaping the next generation of physical therapists at Belmont University. Holding the position of Assistant Professor for the last</p>

	<p>two years, Chris has not only shared practical insights gained from years of clinical practice but has also contributed to the academic development of aspiring therapists.</p> <p>An influential figure in the field, Chris is also a Certified Dry Needling Instructor recognized by the Tennessee State Physical Therapy Licensing Board. This certification underscores Chris's commitment to the ongoing education and professional development of fellow practitioners.</p> <p>Beyond the realm of physical therapy, Chris is a Certified Instructor for the American Heart Association's Basic Life Support (BLS) CPR program. This certification reflects not only a dedication to patient care but also a commitment to ensuring that healthcare professionals possess the essential life-saving skills required in emergency situations. Furthermore, Chris holds certifications from the American Red Cross, including Emergency Medical Response and certification as an American Red Cross Instructor for Emergency Medical Response. These certifications highlight Chris's preparedness to respond effectively to a broad range of medical emergencies, showcasing a comprehensive skill set beyond the typical scope of a physical therapist.</p> <p>In essence, Chris Wolfe's multifaceted expertise as a board-certified orthopedic specialist, dedicated educator, and certified instructor in various specialized techniques and emergency response protocols underscores a commitment to excellence in the field of physical therapy and healthcare education.</p>
<p><b>Justin Smith PT, DPT, SCS, RN</b></p>	<p>Justin Smith is a native of Elizabethton, TN. He attended ETSU and graduated in 2001 with a Bachelor's Degree in Nursing. Following a stint as a trauma nurse at Johnson City Medical Center Hospital, Justin was accepted into the Physical Therapy Program at Belmont University in Nashville. He graduated with a Doctorate in Physical Therapy from Belmont in 2006. His areas of interest are orthopedics and sports. He is board certified in Sports Physical Therapy and in Dry Needling. He serves as a clinical instructor for a number of Physical Therapy educational programs across the country as well as Vice-President and Clinical Director for PTS.</p>

**Criteria for Assessment:** Provide a brief description about how achievement of learning objectives will be detailed to determine passing and achievement of certificate of passing/mastery of material.

**Assessment Methods:**

**1. Examinations:**

There will be two written examinations during this seminar. One will follow and cover the AIRWAY/CPR/AED section of the Emergency Medical Response for the Athlete course and second written examination will be comprehensive over the material covered during the Emergency Medical Response for the Athlete and Sports PT (Acute Management of Injury and Illness) segment of this course. Each examination will include some objective, simple knowledge level questions as well as patient situation questions, which will require the student to demonstrate his/her understanding of the presented material by applying a problem-solving approach.

NOTE: For successful completion of this course, the student must achieve a minimum score of 70% on the written examination.

**2. Practical Examination:**

There will be three practical exams given throughout this course. One will cover Airway, CPR & AED administration. At the conclusion of the Emergency Medical Response for the Athlete course, there will be a comprehensive practical examination covering all the material presented. In addition to the Emergency Medical Response for the Athlete practical examination, participants will also be given a practical examination on taping to prevent/protect injury.

NOTE: For successful completion of this course, the student must achieve a minimum score of 80% on the practical examination. Should a student score lower than 80% and have to re-take the practical examination, in accordance with the program manual, the maximum score posted for the practical examination will be 70%.

(Note: A safety violation during the practical examination is immediate grounds for failure of the examination!)

