



## Outdoor Emergency Care Hybrid Course Syllabus

Course Dates	Wednesday, August 21 <sup>st</sup> – Sunday November 17 <sup>th</sup>
Instructor of Record Contact	Kelly Greene – <a href="mailto:kellygrn77@gmail.com">kellygrn77@gmail.com</a> – 207-860-9775
Location of Skills Session	Mountain View United Methodist Church, 355 Ponca Pl, Boulder, CO 80303

The *Outdoor Emergency Care Hybrid* course is taught through a combination of online modules and instructor-led training sessions. Students who enroll in the *OEC Hybrid* course will gain access to the online course materials and will be prompted to sign up for the appropriate *OEC Hybrid Skills Session*.

By the end of this course, you will be able to:

- Understand the role of an OEC technician within the medical community.
- Assess and manage scene safety under a variety of conditions.
- Assess and manage life-threatening conditions in the ill or injured patient.
- Conduct a patient assessment with confidence and sense of urgency.
- Care appropriately for ill or injured persons.
- Perform safe and effective stabilization and extrication of ill or injured persons in the outdoor environment while preventing further injury.
- Document and communicate the appropriate care of the patient.

**Successful completion:** To complete this course and earn the certificate of completion, you will need to:

- Enroll in the OEC Hybrid course
- Attend all practical skills sessions and get skill signoffs using skill sheets provided. There is no substitute for the face-to-face practical experience.
- Prepare for class with assigned readings, online materials, and practice skills.
- Successful completion (>80%) on final online written exam.
- Successful completion of practical exam.

### Course Materials

**Textbook (required):** Outdoor Emergency Care: A Patroller's Guide to Medical Care, 6th Edition

- This book can be purchased through the NSP store on the [NSP website](#) at a discounted rate. Used or eBook options can also be found online or [directly through the publisher](#).
- **IMPORTANT:** Please DO NOT use or purchase separately the *Jones & Bartlett Learning: Navigate 2 Advantage Access* card at the beginning of your textbook to access the course. You will access all course materials through the NSP Center for Learning, see below.

**Online Materials and Access:** To access the course content, take the online exam, and receive credit, students must enroll in the OEC Hybrid course.

- From the NSP Center for Learning course catalog, enroll in the *Outdoor Emergency Care Hybrid* course and pay the course fee. This course contains the online modules, practice exams, and final online exam, which you will be given access to during the exam window.
- You will be prompted to enroll in the appropriate *OEC Hybrid Skills Session* from here. The Skills Session contains important information, additional resources, and discussion prompts from your instructors. Please refer to this course for further direct instruction.
- Both the OEC Hybrid and OEC Hybrid Skills Session can be found in your learning center at any time.

**In-Class Preparation**

**Class Materials:** Please bring note-taking materials and your textbook to each class.

**Dress:** Please wear comfortable attire appropriate to the environment. We will work outside during lab sessions. Practice scenarios will occur in all weather conditions.

**Course Outline & Schedule:**

Prior to class (skills session), please review the online modules and related textbook chapters. Plan to spend a couple of hours prior to class on each module and related materials.

Skills Session Date/Time	Module	Topic & Skills	Textbook Reference & Skill Sheets
8/21/24	Module 1 Principles of Emergency Response	Introduction Personal protective equipment	Chapter 1: Introduction to OEC  Chapter 3: Rescue Basics <ul style="list-style-type: none"> <li>• OEC Skill 3-1</li> </ul>
8/21/24	Module 2 Principles of Anatomy & Physiology	Anatomy & Physiology	Chapter 6: Anatomy & Physiology
8/28/24	Module 3 Principles of Assessment & Management	Scene size-up Primary assessment History taking Secondary assessment Vital signs Reassessment	Chapter 7: Assessment <ul style="list-style-type: none"> <li>• OEC Skill 7-1</li> <li>• OEC Skill 7-2</li> <li>• OEC Skill 7-3</li> <li>• OEC Skill 7-4</li> <li>• OEC Skill 7-5</li> <li>• OEC Skill 7-6</li> </ul>
9/4/24	Module 6 Principles of Trauma	Principles of Trauma Soft Tissue Injuries <ul style="list-style-type: none"> <li>▪ Bleeding control</li> </ul> Burn management	Chapter 18: Principles of Trauma  Chapter 19: Soft Tissue Injuries & Burns <ul style="list-style-type: none"> <li>• OEC Skill 19-1</li> <li>• OEC Skill 19-2</li> <li>• OEC Skill 19-3</li> <li>• OEC Skill 19-4</li> <li>• OEC Skill 19-5</li> <li>• OEC Skill 19-6</li> <li>• OEC Skill 19-7</li> <li>• OEC Skill 19-8</li> </ul> OEC Skill 19-9
9/11/24	Module 7 Musculoskeletal Injuries	Musculoskeletal Injuries Splinting <ul style="list-style-type: none"> <li>▪ Upper extremity injuries</li> </ul> Lower extremity injuries	Chapter 20: Musculoskeletal Injuries <ul style="list-style-type: none"> <li>• OEC Skill 20-1</li> <li>• OEC Skill 20-2</li> <li>• OEC Skill 20-3</li> <li>• OEC Skill 20-4</li> <li>• OEC Skill 20-5</li> <li>• OEC Skill 20-6</li> <li>• OEC Skill 20-7</li> </ul>

			<ul style="list-style-type: none"> <li>• OEC Skill 20-8</li> <li>• OEC Skill 20-9</li> <li>• OEC Skill 20-10</li> <li>• OEC Skill 20-11</li> </ul> <p>OEC Skill 20-12</p>
9/18/24	Module 4 Airway Management & Respiratory Emergencies	Airway Management Oxygen Administration Respiratory Emergencies	<p>Chapter 9: Airway Management</p> <ul style="list-style-type: none"> <li>• OEC Skill 9-1</li> <li>• OEC Skill 9-2</li> <li>• OEC Skill 9-3</li> <li>• OEC Skill 9-4</li> <li>• OEC Skill 9-5</li> </ul> <p>Chapter 13: Respiratory Emergencies</p> <ul style="list-style-type: none"> <li>• OEC Skill 13-1</li> <li>• OEC Skill 13-2</li> </ul>
9/18/24 (9/25 if needed)	Module 5 Heart & Cardiovascular Emergencies	Shock Management Cardiovascular Emergencies Medication administration	<p>Chapter 10: Shock</p> <ul style="list-style-type: none"> <li>• OEC Skill 10-1</li> </ul> <p>Chapter 15: Cardiovascular Emergencies</p> <ul style="list-style-type: none"> <li>• OEC Skill 15-1</li> </ul> <p>Chapter 14: Allergies &amp; Anaphylaxis</p> <ul style="list-style-type: none"> <li>• OEC Skill 14-1</li> </ul>
9/25/24	Module 8 CNS, Head & Neck Injuries	Moving & Lifting Patients Spinal Motion Restriction Soft tissue injuries of the face & neck	<p>Chapter 5: Moving, Lifting, &amp; Transporting Patients</p> <ul style="list-style-type: none"> <li>• OEC Skill 5-1</li> <li>• OEC Skill 5-2</li> <li>• OEC Skill 5-3</li> <li>• OEC Skill 5-4</li> <li>• OEC Skill 5-5</li> <li>• OEC Skill 5-6</li> <li>• OEC Skill 5-7</li> <li>• OEC Skill 5-8</li> <li>• OEC Skill 5-9</li> <li>• OEC Skill 5-10</li> <li>• OEC Skill 5-11</li> <li>• OEC Skill 5-12</li> </ul> <p>Chapter 21: Spine, Brain, &amp; Nervous System Injuries</p> <ul style="list-style-type: none"> <li>• OEC Skill 21-1</li> <li>• OEC Skill 21-2</li> <li>• OEC Skill 21-3</li> <li>• OEC Skill 21-4</li> <li>• OEC Skill 21-5</li> <li>• OEC Skill 21-6</li> </ul>

			Chapter 22: Face, Eye, & neck Injuries <ul style="list-style-type: none"> <li>• OEC Skill 22-1</li> </ul>
10/2/24	Module 9 Thoracic & Abdominal Injuries	Assessment of the chest using LAP Management of chest trauma Management of abdominal trauma Pelvic fractures	Chapter 23: Chest Trauma  Chapter 24: Abdominal & Pelvic Trauma <ul style="list-style-type: none"> <li>• OEC Skill 24-1</li> </ul>
10/9/24	Module 10 Altered Mental Status	Assessment of altered mental status Management of diabetic emergencies Stroke assessment and management	Chapter 11: Altered Mental Status  Chapter 12: Substance Abuse & Poisoning
10/16/24	Module 11 Abdominal, Pelvic & Obstetric Emergencies	Assessment of the Abdomen Management of acute abdomen Management of Reproductive System or Obstetric Emergencies Emergency Childbirth	Chapter 16: GI, GU, and Reproductive System Emergencies  Chapter 17: Childbirth, Obstetric Emergencies, and Sexual Assault
10/23/24	Module 12 Environmental Emergencies	Assessment and management <ul style="list-style-type: none"> <li>▪ Cold injuries and illness</li> <li>▪ Heat injuries and illness</li> <li>▪ Altitude injuries and illness</li> <li>▪ Water injuries &amp; illness</li> </ul> Practice Skills & Scenarios	Chapter 25: Cold-Related Injuries  Chapter 26: Heat-Related Injuries  Chapter 28: Altitude-Related Injuries  Chapter 29: Water-Related Emergencies
10/27/24	Practical Skills Day	Practice Skills/Scenarios from Previous Modules	
10/30/24	Module 13 Responding to Special Populations  + Other recap as needed	Assessment & management of <ul style="list-style-type: none"> <li>▪ Children</li> <li>▪ Elderly</li> <li>▪ Adaptive athletes</li> </ul>	Chapter 30: Pediatric Emergencies  Chapter 31: Geriatric Emergencies  Chapter 32: Adaptive Athletes  Chapter 33: Behavioral Emergencies and Crisis Response <ul style="list-style-type: none"> <li>• OEC Skill 33-1</li> </ul>

11/6/24	Module 14 Transitioning Care	Medical Systems Triage Practice Skills & Scenarios	Chapter 2: Emergency Medical Care Systems  Chapter 4: Incident Command & Triage  Chapter 34: Special Operations & Ambulance Operations
11/13/24	Practice Evening		All Chapters
11/16 & 11/17 Brainard Lake Recreation Area	Final Evaluation	Final Written Exam (online) Final Practical Exam	

## Course Expectations

### Online Portion:

You are expected to read each chapter in the OEC 6th Edition, review the online modules as well as any videos and supplemental handouts and presentations provided by your instructor, and practice your knowledge with the learning exercises and discussions. At the end of each module, you will take the practice exam.

Each instructor-led skills session may be taught by a different instructor. Some will lead a discussion on the discussion board for their specific session. You are expected to respond to each discussion board topic on within the skills session portion of the course. These exercises are meant to help you apply your knowledge; they should take less than 15 minutes to complete. Your discussion response is due prior to the corresponding face-to-face class.

### Practical Skills Sessions:

You are required to attend every practical class. These classes are imperative to your success on the final exam and as an OEC Technician. These classes will contain a combination of skills demonstrations, skills practice, skills checks, and practice scenarios. Classes may also review important concepts related to the book and online module materials.

### Final Exam:

The final exam is composed of a written exam and a practical exam. The written exam is 100 questions, and you must make an 80% to pass this portion of the exam. The questions for this exam are taken from the same bank as those used in the online practice exams. Both exam components will be proctored by the instructor team. The written test will be taken online, either over a virtual meeting or in an in-person setting. You will need to have internet and computer access and will be given a code to access the test. The practical exam is divided between four skill checks and two scenarios. You must pass each of these six elements to pass the practical exam. Once you have passed OEC, you will receive a certificate of completion as well as an online OEC card and active patroller status. After that, you may be given additional on-hill instruction and training.