



**Fundamental Critical Care Support  
Sample Agenda Option B**

<b>Modules to Complete Online Before Attending Course</b>	
16 min	Cardiopulmonary/Cerebral Resuscitation
27 min	Critical Care in Pregnancy (optional)
22 min	Ethics in Critical Care Medicine (optional)
29 min	Surgery in Critical Care (optional)

<b>DAY 1</b>	
7:00 a.m. – 7:15 a.m.	<b>Welcome and Course Announcements FCCS Overview</b>
7:15 a.m. – 7:45 a.m.	<b>Recognition and Assessment of the Seriously Ill Patient</b> <ul style="list-style-type: none"> <li>Recognize the early signs and symptoms of critical illness</li> </ul>
7:45 a.m. – 8:30 a.m.	<b>Airway Management</b> <ul style="list-style-type: none"> <li>Recognize the early signs of impending airway compromise</li> </ul>
8:30 a.m. – 9:15 a.m.	<b>Diagnosis and Management of Acute Respiratory Failure</b> <ul style="list-style-type: none"> <li>Summarize management principles of acute respiratory failure</li> </ul>
9:15 a.m. – 10:00 a.m.	<b>Mechanical Ventilation I</b> <ul style="list-style-type: none"> <li>Describe the characteristics of different types of breaths and modes of mechanical ventilation (noninvasive and invasive)</li> </ul>
10:00 a.m. – 10:15 a.m.	<b>BREAK</b>
10:15 a.m. – 11:00 a.m.	<b>SKILL STATION: Mechanical Ventilation I</b> <ul style="list-style-type: none"> <li>Describe indications for initiation of mechanical ventilation</li> <li>Modify the ventilator prescription in response to patient data</li> </ul>
11:00 a.m. – 11:45 a.m.	<b>SKILL STATION: Noninvasive Positive Pressure Ventilation (NPPV)</b> <ul style="list-style-type: none"> <li>List diagnoses for which NPPV may be appropriate therapy</li> <li>List characteristics of patients who are good candidates for NPPV</li> <li>Discuss contraindications to NPPV</li> <li>Describe techniques to facilitate patient acceptance of NPPV</li> <li>Summarize monitoring requirements for a patient treated with NPPV</li> </ul>
11:45 a.m. – 12:45 p.m.	<b>LUNCH</b>
12:45 p.m. – 1:15 p.m.	<b>Monitoring Oxygen Balance and Acid-Base Status</b> <ul style="list-style-type: none"> <li>Outline the determinants of oxygen balance</li> <li>Explain the use of oxygenation and acid-base status as a monitor in the seriously ill patient</li> </ul>
1:15 p.m. – 1:45 p.m.	<b>Diagnosis and Management of Shock</b> <ul style="list-style-type: none"> <li>Discuss management strategies for critically ill or injured patients in shock</li> </ul>
1:45 p.m. – 2:15 p.m.	<b>Mechanical Ventilation II</b> <ul style="list-style-type: none"> <li>Review guidelines for initial ventilator management strategies in specific clinical situations</li> </ul>

2:15 p.m. – 2:30 p.m.	<b>BREAK</b>
2:30 p.m. – 3:15 p.m.	<p><b>SKILL STATION: Mechanical Ventilation II</b></p> <ul style="list-style-type: none"> <li>Describe the approach to a high-pressure alarm</li> <li>Practice ventilation adjustments in response to changes in patient status</li> </ul>
3:15 p.m. – 4:00 p.m.	<p><b>Life-Threatening Infections: Diagnosis and Antimicrobial Therapy Selection</b></p> <ul style="list-style-type: none"> <li>Identify systemic and site-specific clinical manifestations of life-threatening infections and the uses of clinical laboratory tests</li> <li>Apply principles of antimicrobial treatment for empiric therapy and for specific infections</li> </ul>
4:00 p.m. – 4:15 p.m.	<b>WRAP-UP DAY 1</b>

<b>DAY 2</b>	
7:30 a.m. – 7:45 a.m.	<b>Welcome and Announcements</b>
7:45 a.m. – 8:30 a.m.	<p><b>Acute Coronary Syndromes (may omit if all participants are ACLS providers)</b></p> <ul style="list-style-type: none"> <li>Identify characteristics of patients with acute coronary syndromes with different electrocardiographic and clinical presentations.</li> <li>Recognize the complications of myocardial infarction and outline appropriate management</li> </ul>
8:30 a.m. – 9:15 a.m.	<p><b>Neurologic Support</b></p> <ul style="list-style-type: none"> <li>Review specific management principles and options for common neurologic emergencies</li> </ul>
9:15 a.m. – 10:00 a.m.	<p><b>Management of Life-Threatening Electrolyte and Metabolic Disturbances</b></p> <ul style="list-style-type: none"> <li>Discuss the recognition and management of common electrolyte disturbances in critically ill patients</li> <li>Describe management strategies for common metabolic emergencies, including those related to glucose metabolism</li> </ul>
10:00 a.m. – 10:15 a.m.	<b>BREAK</b>
10:15 a.m. – 10:45 a.m.	<p><b>Special Considerations</b></p> <ul style="list-style-type: none"> <li>Discuss prevention, early recognition, and management of common problems in critically ill patients, including thromboembolic events, severe gastrointestinal hemorrhage, poisoning, and temperature-related illness or injury</li> </ul>
10:45 a.m. – 11:30 a.m.	<p><b>Basic Trauma and Burn Support (may omit if all participants have taken ATLS course)</b></p> <ul style="list-style-type: none"> <li>Prioritize timely assessment of trauma patients</li> <li>Identify principles of early burn management</li> </ul>
11:30 a.m. – 12:30 p.m.	<b>LUNCH</b>
12:30 p.m. – 1:15 p.m.	<p><b>SKILL STATION: Integrated Airway Management and Hemorrhagic Shock Scenario</b></p> <ul style="list-style-type: none"> <li>Discuss the goals of resuscitation in a patient with shock</li> <li>List procedures for the management of hemorrhagic shock</li> <li>Identify alternate solutions for the management of intubation of a patient with a difficult airway</li> </ul>
1:15 p.m. – 1:45 p.m.	<p><b>Critical Care in Pregnancy (optional)</b></p> <ul style="list-style-type: none"> <li>Describe the physiologic and metabolic alterations unique to pregnancy</li> <li>Discuss management strategies for critically ill or injured pregnant patients</li> </ul>
1:45 p.m. – 2:15 p.m.	<p><b>Ethics in Critical Care Medicine (optional)</b></p> <ul style="list-style-type: none"> <li>Review ethical principles</li> <li>Discuss ethical dilemmas surrounding triage and medical futility</li> </ul>

2:15 p.m. – 2:30 p.m.	<b>BREAK</b>
2:30 p.m. – 3:15 p.m.	<p style="text-align: center;"><b>SKILL STATION: Integrated Severe Sepsis A Scenario</b></p> <ul style="list-style-type: none"> <li>• Recognize early sepsis</li> <li>• Describe the steps needed to manage and stabilize a patient with sepsis</li> <li>• Outline appropriate fluid management for a patient with sepsis</li> <li>• Select laboratory studies and interpret the results for a patient with sepsis</li> <li>• Discuss the management of a patient with sepsis and organ dysfunction</li> <li>• Discuss initial mechanical ventilation support for a patient with sepsis</li> <li>• Discuss hemodynamic instability in a patient with sepsis</li> <li>• Discuss basic ventilator support in a patient with sepsis</li> <li>• Discuss ventilator support of a patient with acute respiratory distress syndrome</li> <li>• Recognize atrial fibrillation and management of a hemodynamically unstable patient</li> </ul>
3:15 p.m. – 3:45 p.m.	<p><b>Surgery in Critical Care (optional)</b></p> <ul style="list-style-type: none"> <li>• Review the diagnosis and treatment of pancreatitis and necrotizing soft tissue infections</li> <li>• Identify early postoperative anastomotic leak or infection</li> <li>• Discuss evaluation and treatment of abdominal compartment syndrome</li> </ul>
3:45 p.m. – 4:00 p.m.	<b>WRAP-UP DAY 2</b>