<table>
<thead>
<tr>
<th>Course Goal(s)</th>
<th>To improve the student’s skills in acute medical care involving fluid and blood therapy, airway management, respiratory care, patient monitoring, and basic skills in Cardio-Pulmonary Resuscitation. To develop interest in the specialty of Anesthesiology.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educational Objectives</td>
<td>N/A</td>
</tr>
<tr>
<td>Course Readings</td>
<td>N/A</td>
</tr>
</tbody>
</table>
| Course Activities/Experience         | **PREOPERATIVE EVALUATION**  
  - Patient preparation  
  - Management of common medical and surgical problems  
  - Choice of anesthesia  
  - Preoperative medications  
  **INTRAOPERATIVE MANAGEMENT**  
  - Patient monitoring  
  - Inhalation anesthetics  
  - Uptake and distribution  
  - Techniques  
  - Intravenous anesthesia  
  - Neuromuscular blockage and reversal  
  - Airway Management  
  **LOCAL ANESTHESIA**  
  - Agents  
  - Nerve blocks  
  - Peridural and caudal anesthesia  
  - Spinal anesthesia  
  **SPECIAL SUBJECTS**  
  - Fluid Therapy  
  - Blood Transfusions  
  - Respiratory care and mechanical ventilation  
  - Cardiopulmonary resuscitation  
  **COMPLICATIONS OF ANESTHESIA**  
  - Pulmonary complications  
  - Cardiac arrhythmia  
  - Shock  
  - Malignant hyperthermia  
  - Renal Failure  
  - Liver dysfunction |
| On Call Requirements                 | N/A                                                                                                                                                                                            |
| Student Performance & Assessment     | Clinical Evaluation, Knowledge and Skills, Participation                                                                                                                                 |
| Course Director                      | Peter O’Rourke, MD                                                                                                                                                                             |
| Location                             | East Carolina Anesthesia Assoc, PLLC / Department of Anesthesiology VMC                                                                                                                           |
| Duration                             | 2 weeks                                                                                                                                                                                         |
| Other Info | Attendance requirements – Due to limited vacancy & availability for this elective, attendance is a necessity. Plan to attend the entire scheduled time. Making up missed days is very difficult for the facility. |