Course Prefix and Number:  RTH 290  
Credits:  2 

Course Title:  Coordinated Practice in Respiratory Therapy:  ACC/NPCC IV 

Course Description:  Supervises on-the-job training.  Further develops critical respiratory care clinical skills and critical-thinking skills.  Students rotate through several critical care units (adult, pediatric, and neonatal) and practice and are evaluated on advanced-level critical care skills.  Students also develop skills in hemodynamic monitoring and polysomnography.  Prerequisites:  Successful completion of all curriculum courses offered during the first four semesters of the AAS degree in Respiratory Therapy.  Laboratory 10 hours per week. 

General Course Purpose:  The purpose of this clinical course is to familiarize and evaluate students on advanced critical care skills, hemodynamic monitoring, and polysomnography. 

Course Prerequisites and Co-requisites: 
Prerequisites:  Successful completion of all curriculum courses offered during the first four semesters of the AAS degree in Respiratory Therapy (RTH 215, RTH 295, RTH 223, RTH 226, RTH 290 ACC/NPCC I, RTH 290 ACC/NPCC II, 

Student Learning Outcomes: 
Upon completing the course, the student will be able to 

a.  Integrate previous respiratory critical thinking with acute care patients; 
b.  Demonstrate advanced independent competencies on adult, neonatal, and pediatric critical care patients;  
c.  Demonstrate advanced competencies in critical care monitoring areas of transcutaneous monitoring and capnography;  
d.  Demonstrate independent competence in doing ventilator initiations, circuit changes, and patient-ventilatory system care;  
e.  Demonstrate independent competence with trach care and trach changes; and 
f.  Demonstrate independent competence with basic hemodynamic monitoring and shunt study computations. 

Major Topics to Be Included: 

a.  Ventilator initiation 
b.  Ventilator circuit change 
c.  Patient-Ventilator system care 
d.  Neonatal/Pediatric ventilation 
e.  Tracheostomy tube change 
f.  Transcutaneous monitoring 
g.  Capnography 
h.  Hemodynamic monitoring 
i.  Shunt studies 

Effective Date of Course Content Summary:  December 1, 2017