Course Prefix and Number: RTH 190  
Credits: 2

Course Title: Coordinated Practice in Respiratory Therapy-NCC III

Course Description: Provides supervised on-the-job training to enable students to work directly with patients to practice and refine skills learned in the previous semester's classroom and laboratory classes. Prerequisites: Successful completion of all curriculum courses offered during the first two semesters of the AAS degree in Respiratory Therapy. Laboratory 10 hours per week.

General Course Purpose: To give students the practical experience working in non-critical care settings to practice and refine the skills that they have learned in the classroom and have been evaluated on in the laboratory.

Course Prerequisites and Co-requisites:
Prerequisite: Successful completion of all curriculum courses offered during the first two semesters of the AAS degree in Respiratory Therapy

Student Learning Outcomes:
Upon completing the course, the student will be able to
a. Discuss the role of the Respiratory Therapy department and its role in the hospital environment;
b. Select, review, and interpret the data applicable to perform the above procedures;
c. Demonstrate the various physiological monitoring procedures performed on patients;
d. Critique a patient’s medical records and identify pertinent information in the medical record;
e. Demonstrate appropriate hand washing and isolation techniques to reduce the incidence of nosocomial infections;
f. Demonstrate tracheo-bronchial suctioning, cuff management procedures, and bedside ventilatory assessment procedures;
g. Apply the use of gas cylinders, safety systems and techniques involved with transporting cylinders;
h. Evaluate patient status and select the appropriate oxygen therapy modality for patients;
i. Demonstrate oxygen therapy competency to include oxyhoods, oxygen analyzers, aerosol/humidity therapy devices and aerosol enclosures;
j. Compare and contrast the differences between humidity and aerosol therapy;
k. Demonstrate the following clinical respiratory therapy competencies
   ▪ Administration of aerosol drugs;
   ▪ Administration of incentive spirometry therapy;
   ▪ Administration of IPPB therapy;
   ▪ Administration of CPT and PD;
   ▪ Administration of Positive Expiratory Pressure Therapy;
l. Apply patient education techniques for directed cough techniques and inspiratory muscle training;
m. Demonstrate arterial punctures and blood gas analysis;
n. Analyze patient physiologic monitoring to include blood pressures, pulses, respiratory rates, temperature monitoring, and pulse oximetry;
o. Implement independently complete clinical patient assessments to include history, inspection, percussion, palpation and auscultation; and
p. Demonstrate basic X-Ray interpretation.

**Major Topics to Be Included:**

a. Standard Precautions/Transmission-Based Isolation Techniques  
b. Sterilization/Disinfection  
c. Medical Records  
d. Patient Interview and History  
e. Vital Signs: Pulse and Respiration  
f. Blood Pressure Measurement  
g. Physical Assessment of the Chest  
h. Auscultation  
i. Directed Cough Techniques  
j. Bedside Pulmonary Mechanics  
k. Gas Pressure and Flow Regulation  
l. Oxygen Analysis  
m. Oxygen Therapy  
n. Oxygen Hood  
o. Humidity Therapy  
p. Aerosol Generators  
q. Aerosol Medication Delivery  
r. Pulse Oximetry  
s. Intermittent Positive-Pressure Breathing Therapy  
t. Incentive Spirometry  
u. Chest Physiotherapy  
v. Positive Expiratory Pressure Mask Therapy  
w. Inspiratory Resistive Muscle Training  
x. Endotracheal Suctioning  
y. Nasotracheal Suctioning  
z. Chest X-Ray Interpretation  
aa. Arterial Puncture  
bb. Arterial Blood Gas Calibration, Maintenance, and Quality Assurance  

**Date Created/Updated** (Month, Day, and Year): November 1, 2017