Course Description:

This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional. Clinical education is an unpaid learning experience. Prerequisites: RSPT 2360

Text, References and Supplies:


Student Learning Outcomes:

Upon successful completion of the course the student will:

1. Demonstrate general respiratory care procedures to include, but not limited to: patient assessment, oxygen therapy, humidity therapy, aerosol therapy, hyperinflation therapy (IPPB, IS) and bronchial hygiene (CPT, Suctioning)
2. Demonstrate intensive care procedures to include, but not limited to: endotracheal tube care (positioning, cuff care, retaping), ventilator set up, ventilator graphics (loops, waveforms, curves) and ventilator setting modifications, ventilator weaning, bedside pulmonary mechanics, diagnostic testing and interpretation (ABG, FT, CXR, CT scans, MRI, PET scans, hemodynamic monitoring)
3. Demonstrate trach care
4. Demonstrate delivery room neonatal respiratory care procedures to include but not limited to: neonatal assessment, warm, dry, stimulate, blow by O₂, bag/mask ventilation)
5. Demonstrate neonatal intensive respiratory care procedures to include but not limited to: supplement O₂ delivery (nasal cannula, vapotherm, nasal CPAP, oxyhood), non-invasive diagnostics (Transillumination of the chest, TCOM, pulse oximetry, CXR), capillary blood gas sampling, neonatal mechanical ventilation (set up, modifications, weaning) for each of the following: conventional ventilation, high frequency (oscillator jet)
6. Describe indications for HBO
7. List expected outcomes for HBO
8. List hazards associated with HBO
9. Discuss methods of delivering HBO
10. Describe indications for sleep studies
11. List expected outcomes for sleep studies
12. List hazards associated with sleep studies
13. Discuss the method for obtaining a sleep study
14. Describe indications for exercise/stress testing
15. List expected outcomes for exercise/stress testing
16. List hazards associated with exercise/stress testing
17. Discuss different methods for exercise/stress testing

Student Contributions, Responsibilities and Class Policies:

Each student will spend at least 8 hours per week preparing for class. Attendance is critical in this class. All clinical performance and behavior will be considered academic.

Evaluation of Students:

1. Tasks completed as per competency evaluations 50%
2. Participation 10%
3. Behavior 10%
4. Case Studies 10%
5. Oral and/or written exams 20%

Total 100%

Case studies must be completed or the student will receive an Incomplete (I) grade and the studies that were not completed will be required in addition to those required the following semester or summer session. If in that following semester/summer session there are any case studies not completed, the grade of “I” will become and “F” and the student will not be able to continue.

Students will pass three different Therapist Multiple Choice (TMC) Self-Assessment Exam (SAEs) at the Certified Respiratory Therapist (CRT) level, three different TMC SAEs at the Registry Level and three different Clinical Simulation SAEs. All nine (9) tests must be approved by the instructor prior to the students taking the NBRC Comprehensive Secure TMC SAE online. Before the student is eligible for graduation both the NBRC Secure Comprehensive TMC SAE and the NBRC Secure Comprehensive Simulation SAE must be passed in order to pass the course. If an oral exam is given the student must pass the clinical testing with a 70% or better. Remediation will be required as needed.

Course Schedule:

The schedule is Monday to Friday 5:45 pm – 2:00 pm at Medical Center Hospital, Odessa, and at the same time at Midland Memorial Hospital. Other times are as listed on the clinical schedule.

Americans with Disabilities Act (ADA):

Any student who, because of a disabling condition, may require some special arrangements in order to meet course requirements should contact the Shep Grinnan as soon as possible. Mr. Grinnan’s office is located in the Scharbauer Student Center Building. These conditions may include documented physical or educational disabilities. Please be aware that services or accommodations are not automatic. Each student must request them and secure the proper authorizations/documentation.
**Division Information:**  Health Sciences

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<th>Position</th>
<th>Name</th>
<th>Location</th>
<th>Phone</th>
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<tbody>
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