

## **Clinical/Respiratory Care (RSPT 1360)**



**Credit:** 3 semester credits (16 hours clinic/lab)

**Prerequisite:** RSPT 1329, RSPT 1207, RSPT 2310, RSPT 1113, RSPT 1325

**Co-requisite:** RSPT 1331, RSPT 2353, RSPT 1335

### **Course Description**

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.

### **Required Textbook and Materials**

1. Scrubs
2. Lab Coat
3. Watch With Second Hand
4. Goggles
5. Scissors
6. Stethoscope
7. Black Pens
8. Calculator
9. Name Badge
10. Lit Patch
11. Tokens For Modules- [www.ketteringseminars.com](http://www.ketteringseminars.com)
12. Dataarc Access
13. Current Healthcare Provider Certification- Cpr
14. Daily Clinical Notebook
15. Recommended Text:
  - a. Dana Oaks Pocket Guide For Respiratory Care (Isbn # 0-932887-00-7)

### **Course Objectives**

Upon completion of the course, the student will be able to:

1. Applies text book learning plans, the theory, concepts and skills that are involved with the use of specialized materials and tools. (SCANS F1, F6, F7, F8, F9, F12)
2. Explains while demonstrating equipment procedures (SCANS F6, F16, F14, F16 C14, C12, C15, C15, C16, C18, C19, C20)
3. Maintains patient confidentiality by practicing regulations, laws and HIPPA standards (SCANS F5,Ff12, F13, F16, F17, C11, )
4. Concentrates on safety practices through information from the chart and patient history by using the necessary precautions on ALL patients (SCANS C15, C14, C13,C11, C7, C5, F13, C8)

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5. Works as a team member (SCANS C12, C9)
6. Demonstrates appropriate written and verbal communication skills by using the correct terminology of the medical profession (SCANS F1, F2, F3, F5, F6, F7, F8, F9, C5, C7, )
7. Perform and demonstrate competency of the following procedures:
  - a. Isolation procedures, vital signs, chest assessment, patient assessment, x-ray interpretation, nasal cannula, non-rebreather mask, air-entrainment mask, pulse oximetry, aerosol face mask, small volume nebulizer.
  - b. (SCANS: F8, C7, C10, C15, C16, C18, C19, C20)

**SCANS Skills and Competencies**

Beginning in the late 1980's, the U.S. Department of Labor Secretary's Commission on achieving Necessary Skills (SCANS) conducted extensive research and interviews with business owners, union leaders, supervisors, and laborers in a wide variety of work settings to determine what knowledge workers needed in order to perform well on a job. In 1991 the Commission announced its findings in *What Work Requires in Schools*. In its research, the Commission determined that "workplace know-how" consists of two elements: foundation skills and workplace competencies.

**Course Outline**

Competencies required for completion of this course.

A. Isolation

1. Equipment and patient preparation
2. Implementation of Procedure
3. Evaluate and monitor patient response
4. Follow up to implementation, evaluation and monitoring.
5. Cognitive knowledge of procedure ( indications, contraindications, equipment, troubleshooting, evaluating patient response, expected outcomes)
6. Satisfactory perform procedure. (Perform procedure accurately or be able to correct performance without injury to patient or decreasing effect of therapy given.

B. Vital Signs

1. Equipment and patient preparation
2. Implementation of Procedure
3. Evaluate and monitor patient response
4. Follow up to implementation, evaluation and monitoring.
5. Cognitive knowledge of procedure ( indications, contraindications, equipment, troubleshooting, evaluating patient response, expected outcomes)
6. Satisfactory perform procedure. (Perform procedure accurately or be able to correct performance without injury to patient or decreasing effect of therapy given.

C. Chest assessment

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1. Equipment and patient preparation
2. Implementation of Procedure
3. Evaluate and monitor patient response
4. Follow up to implementation, evaluation and monitoring.
5. Cognitive knowledge of procedure ( indications, contraindications, equipment, troubleshooting, evaluating patient response, expected outcomes)
6. Satisfactory perform procedure. (Perform procedure accurately or be able to correct performance without injury to patient or decreasing effect of therapy given.

**D. Patient assessment**

1. Equipment and patient preparation
2. Implementation of Procedure
3. Evaluate and monitor patient response
4. Follow up to implementation, evaluation and monitoring.
5. Cognitive knowledge of procedure ( indications, contraindications, equipment, troubleshooting, evaluating patient response, expected outcomes)
6. Satisfactory perform procedure. (Perform procedure accurately or be able to correct performance without injury to patient or decreasing effect of therapy given.

**E. X-ray interpretation**

1. Equipment and patient preparation
2. Implementation of Procedure
3. Evaluate and monitor patient response
4. Follow up to implementation, evaluation and monitoring.
5. Cognitive knowledge of procedure ( indications, contraindications, equipment, troubleshooting, evaluating patient response, expected outcomes)
6. Satisfactory perform procedure. (Perform procedure accurately or be able to correct performance without injury to patient or decreasing effect of therapy given.

**F. Nasal cannula**

1. Equipment and patient preparation
2. Implementation of Procedure
3. Evaluate and monitor patient response
4. Follow up to implementation, evaluation and monitoring.
5. Cognitive knowledge of procedure ( indications, contraindications, equipment, troubleshooting, evaluating patient response, expected outcomes)
6. Satisfactory perform procedure. (Perform procedure accurately or be able to correct performance without injury to patient or decreasing effect of therapy given.

**G. Non-rebreather mask**

1. Equipment and patient preparation
2. Implementation of Procedure

3. Evaluate and monitor patient response
4. Follow up to implementation, evaluation and monitoring.
5. Cognitive knowledge of procedure ( indications, contraindications, equipment, troubleshooting, evaluating patient response, expected outcomes)
6. Satisfactory perform procedure. (Perform procedure accurately or be able to correct performance without injury to patient or decreasing effect of therapy given.

H. Air- entrainment mask

1. Equipment and patient preparation
2. Implementation of Procedure
3. Evaluate and monitor patient response
4. Follow up to implementation, evaluation and monitoring.
5. Cognitive knowledge of procedure ( indications, contraindications, equipment, troubleshooting, evaluating patient response, expected outcomes)
6. Satisfactory perform procedure. (Perform procedure accurately or be able to correct performance without injury to patient or decreasing effect of therapy given.

I. Pulse oximetry

1. Equipment and patient preparation
2. Implementation of Procedure
3. Evaluate and monitor patient response
4. Follow up to implementation, evaluation and monitoring.
5. Cognitive knowledge of procedure ( indications, contraindications, equipment, troubleshooting, evaluating patient response, expected outcomes)
6. Satisfactory perform procedure. (Perform procedure accurately or be able to correct performance without injury to patient or decreasing effect of therapy given.

J. Face mask – aerosol

1. Equipment and patient preparation
2. Implementation of Procedure
3. Evaluate and monitor patient response
4. Follow up to implementation, evaluation and monitoring.
5. Cognitive knowledge of procedure ( indications, contraindications, equipment, troubleshooting, evaluating patient response, expected outcomes)
6. Satisfactory perform procedure. (Perform procedure accurately or be able to correct performance without injury to patient or decreasing effect of therapy given.

K. Small volume Nebulizer

1. Equipment and patient preparation
2. Implementation of Procedure
3. Evaluate and monitor patient response
4. Follow up to implementation, evaluation and monitoring.

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5. Cognitive knowledge of procedure ( indications, contraindications, equipment, troubleshooting, evaluating patient response, expected outcomes)
6. Satisfactory perform procedure. (Perform procedure accurately or be able to correct performance without injury to patient or decreasing effect of therapy given.

**Grade Scale**

A = 93 - 100  
B = 85 - 92  
C = 77 - 84  
D = 68 - 75  
F = less than 68

**Course Evaluation**

Final Grades will be calculated according to the following criteria.

Daily clinical grade: 45%  
Modules: 5%  
Final Exam: 45%  
Physician contact: 5%

Student must demonstrate competency in all procedures of the course outline. Student will receive an F in the course if competency is not obtained.

**Course requirements**

- A. Competency in all procedures in Course Outline.
- B. Modules: ([www.ketteringseminars.com](http://www.ketteringseminars.com)) – must turn in grade sheet and your written review of the module.  
CRT  
Pretest module A  
Pretest module B  
Pretest module C  
Calculations #1  
Calculations #2  
Equipment #1  
Equipment #2  
Equipment #3  
Clinical data #1  
Clinical data #2
- C. Completion of two affective evaluations. If student receives a score of 3 or less, the RC handbook will be followed with appropriate sanction. Student must show improvement in the deficient area in order to continue in the RC Program.
- D. 10 Physician Contact points.

**Course Policies**

As outlined in the Respiratory Care Handbook.

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Two allowed absences (two- 8 hour shift)

**Disabilities Statement**

The Americans with Disabilities Act of 1992 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. Among other things, these statutes require that all students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodations for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409) 880-1737 or visit the office located in the Cecil Beeson Building.

**Course Schedule**

This course requires 16 hours per week in the assigned clinical facility. Daily assignments are distributed by the clinical instructor.