

Clinical/Respiratory Care (RSPT 1360)



Credit: 3 semester credits (18 hours clinic/lab)

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

Co-requisite: RSPT 1331, 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 (with LIT Patch)
2. Lab Coat (with LIT Patch)
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

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.
2. Explains while demonstrating equipment procedures
3. Maintains patient confidentiality by practicing regulations, laws and HIPPA standards
4. Concentrates on safety practices through information from the chart and patient history by using the necessary precautions on ALL patients

5. Works as a team member
6. Demonstrates appropriate written (medical records) and verbal communication skills by using the correct terminology of the medical profession
7. Review/Collect and evaluate patient records.
8. Recommend Procedures to collect pertinent data
9. Evaluate and monitor patients responses to Respiratory Care Procedures
10. Determine appropriateness/Recommend/perform modifications to Respiratory Care Procedures
11. Perform and demonstrate competency of the following procedures: Handwashing, 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.

Course Outline

Competencies required for completion of this course.

A. Isolation and Handwashing

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)

C. Chest 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.

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 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. Aerosol Face 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

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.
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: 20%

Modules: 5%

Final Exam: 45%

Physician contact: 5%

2 Affective evaluations 10%

2 presentations 15%

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

Course requirements

A. Competency in all procedures in Course Outline.

B. Modules: (www.ketteringseminars.com) – must turn in grade sheet and your written review of the module.

Therapist Multiple Choice

 Patient Assessment

 module A

 module B

 module C

 module D

 module E

 General patient care A

C. Completion of two affective evaluations. If student receives a score of 3 or less, the RC handbook will be followed with appropriate sanction(s) and a improvement plan for success will be presented to student. If improvement is not demonstrated the student will continue to show deficiency in the area(s) noted and the student will not be allowed to continue in the Respiratory Care Program.

D. 15 Physician Contact points.

E. Two Presentations (details will be given during class)

Course Policies

Two absences without makeup and 2 approved absences with makeup. However, if you go above the two allowed without make up. Your overall clinical grade will be reduced by 5% for any absence over the two allowed without makeup.

Any absences in post conference will result in a 5% reduction in your overall presentation grade per absence.

If a student has perfect attendance they may take the last two days of clinics off as long as all coursework is completed and submitted prior the two days taken off.

As Outlined in the Respiratory Care Handbook.

According to LIT policy: Students with approved absences shall be allowed to make up examinations and written assignments without penalty. This privilege does not extend to unapproved absences. The determination of whether an absence is excused or approved is the responsibility of the instructor, except in the case of approved absence for an Institute-sponsored activity. If absences seriously interfere (whether approved or not) with performance the instructor may recommend to the Department Chair that the student be dropped from the course.

Students are to follow the absenteeism policy for each course as defined in the course syllabi.

If the policy is not followed the student may enter into a Level I or II offense as defined in the Code of Conduct and Disciplinary Policy. All approved excessive absences within the clinical setting will be made up after completion of the final clinical day. The date and time for makeup will be arranged by the Director of Clinical Education. It is the student's responsibility to notify and provide documentation to the Director of Clinical Education for each absence over the number allowed.

Technical Requirements (for courses using Blackboard)

The latest technical requirements, including hardware, compatible browsers, operating systems, software, Java, etc. can be found online at:

https://help.blackboard.com/en-us/Learn/9.1_2014_04/Student/015_Browser_Support/015_Browser_Support_Policy A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of the online technology and resources.

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 in Student Services, Cecil Beeson Building. You may also visit the online resource at <http://www.lit.edu/depts/stuserv/special/defaults.aspx>

Student Code of Conduct Statement

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu or obtained in print upon request at the Student Services Office. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document

Course Schedule

This course requires 18 hours per week in the assigned clinical facility. (of which two are considered Post Conference.

Daily assignments are distributed by the clinical instructor.

Objectives:

The student will be able to

1. Perform
 - a. Isolation and Handwashing techniques based off of the situation
Vital signs, chest assessment, patient assessment
2. Setup, monitor and evaluate patient response to
 - a. oxygen therapy(nasal cannula, NRB mask, Air entrainment mask
 - b. pulse oximetry.
 - c. aerosol oxygen delivery devices
 - d. aerosol medication delivery devices
3. Properly document in the medical record
4. Take a hand off report from others and perform a hand off report to others.
5. Demonstrate competency in the affective, psychomotor and cognitive domains as documented in the student evaluation section of the dataarc system.

Contact Information:

DCE: Cynthia McKinley

Office: MPC 241

Office hours: Posted outside office door. Additional times available with appointment.

Available for remediation or tutoring.

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