RSPT 1461

LAMAR INSTITUTE OF TECHNOLOGY

INSTRUCTOR CONTACT INFORMATION

Instructor:	Cindy McKinley
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Office Location:	Gateway Location
Office Hours:	Posted outside of office door

CREDIT

4 semester credits (0hours lecture, 32 hours clinic/lab) Semester Credit Hours (0 hours lecture, 32 hours lab)

MODE OF INSTRUCTION

Face to face

PREREQUISITE/CO-REQUISITE:

RSPT 1325, RSPT 1201, RSPT 2414, RSPT 1213, RSPT 1325, RSPT 1310, RSPT 1311, RSPT 1160, RSPT 1240

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.

COURSE OBJECTIVES

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

As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

- Use of specialized materials and tools.
- Explains while demonstrating equipment procedures
- Maintains patient confidentiality by practicing regulations, laws and HIPPA standards

- Concentrates on supplies text book learning plans, the theory, concepts and skills that are involved with the safety practices through information from the chart and patient history by using the necessary precautions on ALL patients
- Works as a team member
- Demonstrates appropriate written and verbal communication skills by using the correct terminology of the medical profession
- Perform and demonstrate competency of the following procedures: Tracheostomy Care, Transport with oxygen, ABG analysis, ABG sample, Arterial Line Sample, Cuff Pressure monitoring, Pulmonary mechanics, Securing Artificial Airway, Suctioning (sterile and inline)

- Obtain the ACLS credential

Course Outline

Competencies required for completion of this course.

A. Tracheostomy Care
    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. Transport with oxygen
    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. Arterial Blood Gas Analysis
    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. Arterial Blood Gas Sample (stick)
    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. Arterial Blood Gas Sample (arterial line)
    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. Arterial Blood Gas Analysis
    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. Cuff Pressure monitoring
    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. Pulmonary Mechanics
    1. Equipment and patient preparation
    2. Implementation of Procedure
    3. Ealuate 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. Suctioning (inline and sterile)

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. Securing artificial airway
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.

Competencies required within **simulation in the lab – not clinical competency**

A. Intubation
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. Securing artificial airway
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. Cuff Pressure Monitoring
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. Extubation
    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. ABG sampling
    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. ABG sampling Arterial Line
    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. Capillary sampling
    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. Transcutaneous Monitoring
    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. Tracheostomy Care
    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. Sterile Suction

    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. Inline Suctioning
    a. Equipment and patient preparation
    b. Implementation of Procedure
    c. Evaluate and monitor patient response
    d. Follow up to implementation, evaluation and monitoring.
    e. Cognitive knowledge of procedure (indications, contraindications, equipment, troubleshooting, evaluating patient response, expected outcomes)
    f. Satisfactory perform procedure. (Perform procedure accurately or be able to correct performance without injury to patient or decreasing effect of therapy given.
L. Extubation
    a. Equipment and patient preparation
    b. Implementation of Procedure
    c. Evaluate and monitor patient response

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

REQUIRED TEXTBOOK AND MATERIALS

A. Scrubs

B. Lab Coat

C. watch with second hand

D. goggles

E. Scissors

F. Stethoscope

G. Black pens

H. Calculator

I. Name badge

J. LIT Patch

K. Tokens for modules- www.ketteringseminars.com

L. Trajecsys access

M. Current Healthcare Provider Certification- CPR

N. Daily clinical notebook

O. Dana Oaks pocket guide for Respiratory Care (ISBN # 978-1-61669-785-3

P. ACLS – Advanced Cardiac Life Support class and book.

Book is only obtained via the American Heart Association. https://shop.aha.channing-bete.com ISBN 978-1-61669-772-3

Competency in all procedures in Course Outline.

A. Modules: (www.ketteringseminars.com) – must turn in grade sheet on Mondays.
-CSE- Pulmonary 5,6,7,8,9,10,11,12,13,14,15,18,19,20

-TMC- Mechanical Ventilation A, B, C, D, E

B. If student receives a score of 3 or less, on a section in the clinical evaluation. Student will receive a plan for improvement. Student must them score a 3 or higher in that category to continue within the RC Program.
C. 20 Physician Contact points.

ATTENDANCE POLICY

1. As outlined in the Respiratory Care Handbook.

    2. Four allowed absences (four - 8 hour shifts)

    3. Four absences are allowed without makeup.

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

    5. Your Absence on Mondays is highly discouraged. You will miss some very valuable time with skill practice.

    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.

Excessive absenteeism will result in the final grade in the course being dropped by 5 % points from the final grade for each excessive absences. Each clinical course syllabi will define excessive absences for that course.

If you are rotating thru a facility for a special rotation you are to have the manager/ therapist/staff member to sign verifying the date with time in and time out. Falsification of records is a Level III Offense. You are expected to adhere to your scheduled clinical rotation start and stop times.

DROP POLICY

If you wish to drop a course, you are responsible for initiating and completing the drop process by the specified drop date as listed on the Academic Calendar. If you stop coming to class and fail to drop the course, you will earn an "F" in the course.

STUDENT EXPECTED TIME REQUIREMENT

For every hour in class (or unit of credit), students should expect to spend at least two to three hours per week studying and completing assignments. For a 3-credit-hour class, students should prepare to allocate approximately six to nine hours per week outside of class in a 16-week session OR approximately twelve to eighteen hours in an 8-week session. Online/Hybrid students should expect to spend at least as much time in this course as in the traditional, face-to-face class.

COURSE CALENDAR

DATE	TOPIC	READINGS (Due on this Date)	ASSIGNMENTS (Due on this Date)

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

Final Grades will be calculated according to the following criteria.

Clinical evaluation	40%
Modules:	15%
Final Exam	30
Physician contact: (20 points)	15%

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GRADING SCALE

A = 90 -100
B = 80 - 89
C = 70-79
D = 60-69
F = less than 60

LIT does not use +/- grading scales

ACADEMIC DISHONESTY

Students found to be committing academic dishonesty (cheating, plagiarism, or collusion) may receive disciplinary action. Students need to familiarize themselves with the institution's Academic Dishonesty Policy available in the Student Catalog & Handbook at http://catalog.lit.edu/content.php?catoid=3&navoid=80#academic-dishonesty.

TECHNICAL REQUIREMENTS

The latest technical requirements, including hardware, compatible browsers, operating systems, etc. can be online at https://lit.edu/online-learning/online-learning-minimum-computer-requirements. A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources.

DISABILITIES STATEMENT

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or email specialpopulations@lit.edu. You may also visit the online resource at Special Populations - Lamar Institute of Technology (lit.edu).

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. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

STARFISH

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

ADDITIONAL COURSE POLICIES/INFORMATION

This course requires 32 hours per week in the assigned clinical facility. Daily assignments are distributed by the clinical instructor.