

El Paso Community College

Syllabus

Part II

Official Course Description

SUBJECT AREA	<u>Respiratory Care Technology</u>
COURSE RUBRIC AND NUMBER	<u>RSPT 1360</u>
COURSE TITLE	<u>Clinical - Respiratory Care</u> <u>Therapy/Therapist</u>
COURSE CREDIT HOURS	<u>3</u> <u>0</u> <u>16</u> Credits Lec Lab

I. Catalog Description

Provides 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. A grade of "C" or better is required in this course to take the next course. **Corequisite: RSPT 1307 (0:16). Professional Practice Insurance required.**

II. Course Objectives

This section is designed to be used as an adjunct mechanism to help prepare you for proficiency in your clinical work. Students should review these objectives and correlate them with their didactic material for understanding. It is important that you do independent reading and practice clinical procedures in order to attain knowledge and to become clinically proficient in the listed areas.

Given that patients are accessible to students in a hospital setting, the student will be expected to perform the following objectives with 100% accuracy. In addition, students will be expected to perform the objectives using the Guidelines to Clinical Objectives (GCO) Handout provided in this packet.

During the course of this clinical, the student will demonstrate appropriate judgment and be responsible for:

- Assessing the patient's educational needs
- Providing education specific to the disease process
- Providing education on the use of specific prescribed equipment
- Instructing patient and family on trach care
- Instructing patient and family about the indications and side effects of respiratory medications.
- Encouraging patient/family feedback and return demonstration
- Ensuring that equipment is functioning properly prior to the delivery of any therapeutic modality.

During the course of this clinical, the student will:

- A. Initiate and/or monitor oxygen therapy in clinical instances that require O₂ administration with the use of pulse oximetry and oxygen analyzers.
- B. Initiate and/or monitor continuous aerosol/humidity therapy in clinical instances that require administration of this therapy.
- C. Define the three types of humidity.
- D. Define the terms evaporation, aerosol, and humidity deficit.
- E. Describe the natural physiologic humidification process.
- F. Identify indications and hazards of humidity/aerosol therapy.
- G. Describe factors that affect humidification of a gas.
- H. Explain the importance of monitoring and maintaining humidity/aerosol therapy.
- I. Describe the physical characteristics of an aerosol.

- J. Discuss factors that influence aerosol deposition.
- K. Determine the optimal technique for administering aerosol: small volume nebulizer, large volume nebulizer, metered dose inhaler, or dry powder inhaler.
- L. Describe how ultrasonic nebulizers work.
- M. Discuss the clinical considerations for aerosol therapy.
- N. Determine special considerations for administering aerosol therapy.
- O. Identify the components of preset and adjustable regulators.
- P. Compare low flow and high flow oxygen delivery systems.
- Q. Name several commonly used low flow oxygen delivery systems.
- R. Explain the operational theory of air-entrainment devices
- S. Demonstrate proper use and transportation of medical gas cylinders.
- T. Describe the physiological effects of hyperbaric oxygen therapy.
- U. Demonstrate the proper preparation, implementation, and termination of aerosolized medication treatment.
- V. Document pertinent patient information in the patient's chart following any type of respiratory therapy.
- W. Document pertinent patient information in the Respiratory Care Department master files and/or hospital computer systems following any type of respiratory therapy.
- X. Perform hospital infection control techniques as they relate to universal blood and body fluid precautions and isolation categories, including needles and syringes.
- Y. Perform hospital infection control techniques as they relate to respiratory care equipment and change-out procedures.
- Z. Demonstrate cleaning procedures for respiratory therapy equipment, including washing, drying, packaging, sterilizing, and storage. Follow established policies for handling hazardous chemicals.
- AA. Identify components of a complete hand-off report: diagnosis, treatment, medication, frequency, and response to treatment when giving report to respiratory staff.
- BB. Follow HIPAA guidelines preserving patient privacy in all communication.
- CC. Follow Acknowledge, Introduce, Duration, Explanation, and Thank You (AIDET) guidelines when communicating with patient and family members.
- DD. Communicate critical values according to established guidelines to nursing staff, physicians and respiratory staff.
- EE. Follow chain of command when reporting problems encountered at clinical sites.
- FF. Perform selected procedures during cardiopulmonary resuscitation based on national standards for different age groups and assess effectiveness. These may include:
 - utilizing a manual resuscitator or assisting with airway management
 - chest compressions
 - patient transport
- GG. During the course of this Clinical,
 - Research fourteen current respiratory medications and present one orally, as outlined in the workbook.
 - Complete three (3) to four (4) Chart Reviews as outlined in the workbook.

III. THECB Learning Outcomes (WECM)

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.

IV. Evaluation

Students will be evaluated on their performance of procedures on a daily basis. They will also be evaluated by clinical rotation by the assigned faculty member at each hospital. Students will be evaluated in the areas of attendance, appearance, timeliness, accurate documentation, effective communication skills, ability to establish rapport with patients, peers and other health care professionals, comprehension, written assignments, clinical proficiency, and professionalism.

Grade Distribution

A.	Completion of clinical objectives	30%
B.	Clinical rotation evaluations by Clinical Instructors at the end of each hospital rotation.	40%
C.	Chart review.	10%
D.	Pharmacology written report	<u>20%</u>
		100%

Grading Scale

93 - 100 =	A
86 - 92 =	B
78 - 85 =	C
70 - 77 =	D
Below 70 =	F or I

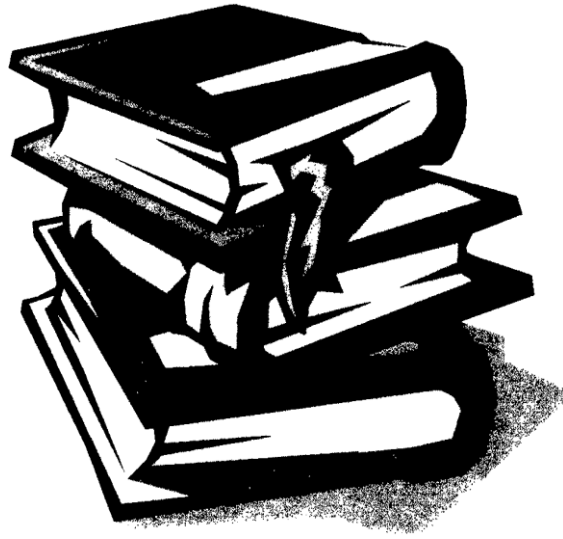
Grades averaging 77.5 will be rounded off to the next whole number.

V. Disability Statement (Americans with/Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

VI. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.



NAME: _____

IF FOUND PLEASE RETURN TO THE RESPIRATORY CARE DEPARTMENT AT ANY HOSPITAL