RSPT 200L: INTRODUCTION TO RESPIRATORY THERAPY

Foothill College Course Outline of Record

Heading	Value
Units:	1
Hours:	1 lecture, 1 laboratory per week (24 total per quarter)
Advisory:	Students are not required to have been admitted to the Respiratory Therapy Program.
Degree & Credit Status:	Non-Degree-Applicable Credit Course
Foothill GE:	Non-GE
Transferable:	None
Grade Type:	Letter Grade Only
Repeatability:	Not Repeatable

Student Learning Outcomes

- Describe the state licensing requirements for respiratory care practitioners.
- Students will become familiar with different respiratory therapy modalities.

Description

Introduction to the career of respiratory therapy. Role of the respiratory therapist, areas of specialization in the field, educational requirements and future outlook. Clinical tasks and skills will also be introduced.

Course Objectives

The student will be able to:
A. Define respiratory therapy and the different credentials that may be acquired
B. Describe the state licensing requirements for respiratory care practitioners
C. Report the National Board for Respiratory Care credentialing process
D. Summarize the demands of the program, both academic and personal
E. Describe the personal and academic preparation needed to enter the Respiratory Therapy Program
F. Understand the basics of respiration and ventilation
G. Demonstrate proper infection control and universal precautions
H. Perform basic pulmonary function screening
I. Perform bag mask valve resuscitation
J. Correctly insert an oropharyngeal and nasopharyngeal airway
K. Know the steps involved in CPR
L. Differentiate between small volume nebulizers, inhalers/DPIs and capsule devices
M. Distinguish between normal and adventitious lung sounds
N. Understand the indication for incentive spirometry devices
O. Discuss the importance of understanding cultural differences

Course Content

A. Introduction to the field of respiratory and the credentialing process
1. Respiratory therapy as a profession
a. History of respiratory therapy
b. Role of a respiratory therapist
c. Work settings
d. Patient population
e. Specialties within respiratory therapy
2. NBRC credentials
a. CRT
b. RRT
c. NPS
d. AEC
e. CPFT
f. RPFT
g. COPD certification
h. Polysomnography
B. RCB license requirements
1. Completion of an accredited program in respiratory care with a minimum of an AS degree
2. CRT credential
3. Livescan fingerprinting background check
4. DMV background check
5. Complete application
6. Completion of an approved ethics course
7. Official transcripts which show degree awarded
C. NBRC credentialing
1. CRT examination
2. WRRT examination
3. Clinical simulation exam
4. NPS examination
5. AEC exam
6. CPFT exam
7. RPFT exam
D. Program demands
1. Economic
2. Rigor
E. Application process
1. Prerequisites
2. Advisories
3. GE requirements
4. Point system
5. Technical standards
F. Basics of respiration and ventilation
1. Fundamentals of respiration
2. Respiratory physiology
3. Fundamentals of ventilation
4. Philosophy of ventilation
F. Infection control and universal precautions
1. Hand washing
2. PPE
3. Isolation procedures
G. Basic spirometry
1. Peak flows
2. FVC maneuvers
H. Bag mask valve resuscitation
1. Proper hand placement
2. Adequate volume assessment
3. Bag/mask features
I. NPA and OPA placement
1. Measures for correct size needed
2. Indications and contraindications
3. Proper placement
J. Basic CPR review
1. C.A.B.
2. Rate/depth of compressions

K. Adjuncts used to deliver Inhaled medications
1. Small volume nebulizer
2. MDIs
3. DPIs
L. Auscultation of breath sounds
1. Normal
2. Crackles
3. Rhonchi
4. Wheezes
5. Stridor
6. Pleural rub
7. Other adventitious lung sounds
M. Incentive spirometry
1. Indications
2. Volume vs. flow devices
N. Cultural competency

Lab Content

A. Infection control and universal precautions
1. Hand washing
2. PPE
3. Isolation procedures
B. Basic spirometry
1. Peak flows
2. FVC maneuvers
C. Bag mask valve resuscitation
1. Proper hand placement
2. Adequate volume assessment
3. Bag/mask features
D. NPA and OPA placement
1. Measures for correct size needed
2. Indications and contraindications
3. Proper placement
E. Basic CPR review
1. C.A.B.
2. Rate/depth of compressions
F. Adjuncts used to deliver Inhaled medications
1. Small volume nebulizer
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G. Auscultation of breath sounds
1. Normal
2. Crackles
3. Rhonchi
4. Wheezes
5. Stridor
6. Pleural rub
7. Other adventitious lung sounds
H. Incentive spirometry
1. Indications
2. Volume vs. flow devices

Special Facilities and/or Equipment

A. Computer and internet access to online learning system.

Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

Methods of evaluation may include, but will not be limited to:
A. Written paper.
B. Discussion board participation.
C. Quizzes.

Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

A. Lecture presentation on the topic of respiratory therapy as a career.
B. Lecture and lab presentations and demonstrations of the various treatments and equipment commonly used by respiratory therapists.

Representative Text(s) and Other Materials

None.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

A. The students will be given a research paper assignment on a topic related to respiratory therapy.

Discipline(s)

Respiratory Technologies