RESP 175 - Resp Care Laboratory II Course Outline

Approval Date: 05/12/2022
Effective Date: 08/12/2022

SECTION A

Unique ID Number	
Discipline(s)	Respiratory Technologies
Division	Health Occupations
Subject Area	Respiratory Care
Subject Code	RESP
Course Number	175
Course Title	Resp Care Laboratory II
TOP Code/SAM Code	1210.00 - Respiratory Care Therapy/Therapist* / C - Occupational
Rationale for adding this course to the curriculum	Add lecture component to address changing needs of the profession while integrating lab for concurrency. Change from "Activity" course to Lecture/Lab
Units	1.5
Cross List	RESP 180 - RESP Care Lab/Clinical II
Typical Course Weeks	18

Total Instructional Hours

	Contact Hours
Lecture	9.00
Lab	54.00
Activity	0.00
Work Experience	0.00
Outside of Class Hours	18.00

Total Contact Hours	63
Total Student Hours	81
Open Entry/Open Exit	No
Maximum Enrollment	30
Grading Option	Letter Grade Only
Distance Education	On-Campus
Mode of Instruction	Hybrid

SECTION B

General Education Information:

SECTION C

Course Description

Repeatability May be repeated 0 times

Catalog Description The course will cover airway management, positive pressure ventilation, non-invasive ventilation, Introduction to mechanical ventilation and beginning critical care concepts.

Schedule Description

SECTION D

Condition on Enrollment

1a. Prerequisite(s)

- RESP 120 with a minimum grade of C or better

1b. Corequisite(s): *None*

1c. Recommended: *None*

1d. Limitation on Enrollment: *None*

SECTION E

Course Outline Information

1. Student Learning Outcomes:

A. Demonstrate the ability to safely establish, maintain, and manage the airway for individuals with a variety of disease states. 2. Demonstrate professional behavior appropriate to the laboratory setting.

2. Course Objectives: Upon completion of this course, the student will be able to:

A. Demonstrate airway management techniques. 2. Discuss and apply safe practice in airway suctioning. 3. Explain the effects of positive pressure ventilation on the body. 4. Discuss and demonstrate safe manual ventilation in a lab setting. 5. Explain and perform basic techniques for noninvasive and invasive mechanical ventilation. 6. Describe professional behaviors appropriate to the laboratory setting.

B.

3. Course Content

1. Airway management techniques.
2. Safe practice in airway suctioning.
3. Effects of positive pressure ventilation on the body.
4. Safe manual ventilation in a lab setting.
5. Basic techniques for noninvasive and invasive mechanical ventilation.
6. Professional behaviors appropriate to the laboratory and clinical setting.

4. Methods of Instruction:

Discussion: Regarding the endotracheal suctioning of an adult

Lab: Describe the difference between a Miller and a McIntosh blade.

Lecture: You are called to the Emergency Room to get ready for an admission of a motor vehicle accident victim. You are told it is a 34 year old woman with severe injuries. You prepare all the equipment for intubation.

5. Methods of Evaluation: Describe the general types of evaluations for this course and provide at least two, specific examples.

Typical classroom assessment techniques

Exams/Tests -- Quiz example: The most commonly used airway for ventilating a patient with a manual resuscitator is the:A) Nasopharyngeal airwayB) Nasal trumpetC) Oropharyngeal airwayD) Tracheostomy tubeLab activity exmample:Demonstrate safe suctioning technique.
Quizzes -- Quiz example: The most commonly used airway for ventilating a patient with a manual resuscitator is the:A) Nasopharyngeal airwayB) Nasal trumpetC) Oropharyngeal airwayD) Tracheostomy tubeLab activity exmample:Demonstrate safe suctioning technique.
Simulation -- Quiz example: The most commonly used airway for ventilating a patient with a manual resuscitator is the:A) Nasopharyngeal airwayB) Nasal trumpetC) Oropharyngeal airwayD) Tracheostomy tubeLab activity exmample:Demonstrate safe suctioning technique.
Class Work -- Quiz example: The most commonly used airway for ventilating a patient with a manual resuscitator is the:A) Nasopharyngeal airwayB) Nasal trumpetC) Oropharyngeal airwayD) Tracheostomy tubeLab activity exmample:Demonstrate safe suctioning technique.
Home Work -- Quiz example: The most commonly used airway for ventilating a patient with a manual resuscitator is the:A) Nasopharyngeal airwayB) Nasal trumpetC) Oropharyngeal airwayD) Tracheostomy tubeLab activity exmample:Demonstrate safe suctioning technique.
Lab Activities -- Quiz example: The most commonly used airway for ventilating a patient with a manual resuscitator is the:A) Nasopharyngeal airwayB) Nasal trumpetC) Oropharyngeal airwayD) Tracheostomy tubeLab activity exmample:Demonstrate safe suctioning technique.
Final Exam -- Quiz example: The most commonly used airway for ventilating a patient with a manual resuscitator is the:A) Nasopharyngeal airwayB) Nasal trumpetC) Oropharyngeal airwayD) Tracheostomy tubeLab activity exmample:Demonstrate safe suctioning technique.
Mid Term -- Quiz example: The most commonly used airway for ventilating a patient with a manual resuscitator is the:A) Nasopharyngeal airwayB) Nasal trumpetC) Oropharyngeal airwayD) Tracheostomy tubeLab activity exmample:Demonstrate safe suctioning technique.

Additional assessment information:

Quiz example:
The most commonly used airway for ventilating a patient with a manual resuscitator is the:

A) Nasopharyngeal airway
B) Nasal trumpet
C) Oropharyngeal airway
D) Tracheostomy tube

Lab activity exmample:
Demonstrate safe suctioning technique.

Letter Grade Only

6. Assignments: State the general types of assignments for this course under the following categories and provide at least two specific examples for each section.

A. Reading Assignments
   Chapter 33 (Egan Online) will be assigned the first week of Airway Management.
   Read chapter 12 in your laboratory manual and explain three things you learned.
B. Writing Assignments
   Exampless:
   1. The 20 Question Module Examination will be completed and handed in as proof that you have finished the assignment.
   2. Explain why do intubated people need suctioning?
C. Other Assignments
   Evolve (Egan Online) will be used often for assignments and assessments, as well as for email.

7. Required Materials

A. EXAMPLES of typical college-level textbooks (for degree-applicable courses) or other print materials.

Book #1:

Author:	Butler, Robert
Title:	Laboratory Exercises for Competency in Respiratory Care
Publisher:	F.A. Davis
Date of Publication:	2013
Edition:	3rd

Book #2:

Author:	Kacmarek, R. M.
Title:	fundamentals of Respiratory Care
Publisher:	Mosby Elsevier
Date of Publication:	2020
Edition:	12th

B. Other required materials/supplies.

- Egan's Fundamentals of Respiratory Care, 10th Edition, Online course, Mosby Elsevier
- Uniform, Lab kit