

# RESP 1130 - Respiratory Therapy Lab I ( version 201003L )

## Course Title                      Course Development      Learning Support

Respiratory Therapy Lab I      Standard                      No

## Course Description

Provides students with the opportunity to gain hands-on experience with basic respiratory therapy equipment and simulated practice of basic respiratory care modalities. Topics include: patient assessment, medical gas therapy, humidity and aerosol therapy, hyperinflation therapy, airway clearance techniques, infection control procedures, and medical ethics.

## Pre-requisites

Prerequisites are Program Admission, BIOL 2114, BIOL 2114L and completion of either MATH 1101 or MATH 1111.

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Program Admission
BIOL 2114 - Anatomy and Physiology II ( 201003L )
BIOL 2114L - Anatomy and Physiology Lab II ( 201003L )
MATH 1101 - Mathematical Modeling ( 201003L )
MATH 1111 - College Algebra ( 201003L )

## Regstr. Co-requisites

Regstr. Co-requisites: All Required

RESP 1120 - Introduction to Respiratory Therapy ( 201003L )
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## True Co-requisites

True Co-requisites: None

## Course Length

	Lecture Contact Time	Regular Lab Type	Reg. Lab Contact Time	Other Lab Type	Oth. Lab Contact Time	Total Contact Hrs
Contact Hours Per Week	0 hrs	Lab	8 hrs	N/A	0 hrs	8 hrs
Contact Min/Hrs Per Semester	0 min		6000 min		0 min	120 hrs
	Lecture Credit Hours	Lab Credit Hours	Total Credit hours			WLU
Semester Credit Hours	0	4	4			150

## Competencies & Outcomes

### Order Description

#### 1 Patient Assessment

Order	Description	Learning Domain	Level of Learning
1	Assess patient respiratory and cardiac status.	Cognitive	Application

#### 2 Medical Gas Therapy

Order	Description	Learning Domain	Level of Learning
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1	Administer medical gases.	Psychomotor	Mechanism
2	Monitor the patient and gases.	Cognitive	Knowledge
3	Record pertinent information.	Cognitive	Knowledge

### 3 Humidity and Aerosol Therapy

Order	Description	Learning Domain	Level of Learning
1	Administer humidity/aerosol therapy.	Psychomotor	Mechanism
2	Monitor the patient.	Cognitive	Knowledge
3	Record pertinent information.	Cognitive	Knowledge

### 4 Hyperinflation Therapy

Order	Description	Learning Domain	Level of Learning
1	Administer hyperinflation therapy.	Psychomotor	Mechanism
2	Monitor the patient.	Cognitive	Knowledge
3	Record pertinent information.	Cognitive	Knowledge

### 5 Airway Clearance Techniques

Order	Description	Learning Domain	Level of Learning
1	Perform airway clearance techniques.	Psychomotor	Guided Response
2	Monitor the patient.	Cognitive	Knowledge
3	Record pertinent information.	Cognitive	Knowledge

### 6 Infection Control Procedures

Order	Description	Learning Domain	Level of Learning
1	Practice principles of infection control procedures.	Cognitive	Knowledge
2	Practice techniques of infection control procedures.	Psychomotor	Mechanism

### 7 Medical Ethics

Order	Description	Learning Domain	Level of Learning
1	Practice principles of medical ethics.	Affective	Characterization