RESP 2220 - Clinical Practice VI (version 201003L)

Course Title	Course Development	Learning Support
Clinical Practice VI	Standard	No

Course Description

Provides students with an opportunity for in-depth application and reinforcement of adult intensive care. In addition, students are provided an opportunity for application and reinforcement of pediatric and neonatal intensive care, advanced diagnostics, and rehabilitation/home care. Topics include: mechanical ventilation initiation, patient stabilization, critical care monitoring, hemodynamic measurement, hemodynamic evaluation, bronchial hygiene, weaning mechanics, extubation, arterial line sampling, advanced diagnostics, pediatric/neonatal respiratory care, and rehabilitation/home care.

Pre-requisites

Pre-requisites: All Required

RESP 2190 - Clinical Practice IV (201003L)

Regstr. Co-requisites

Regstr. Co-requisites: All Required

RESP 2190 - Clinical Practice IV (201003L)

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**	**N/A**	**0 hrs**	**Clinical**	**21 hrs**	**21 hrs**
Contact Min/Hrs Per Semester	**0 min**		**0 min**		**15750 min**	**315 hrs**

	Lecture Credit Hours	Lab Credit Hours	Total Credit hours	WLU
Semester Credit Hours	**0**	**7**	**7**	**315**

Competencies & Outcomes

Order	Description

1 **Mechanical Ventilation Initiation**

Order	Description	Learning Domain	Level of Learning
1	Assess the patient.	Cognitive	Application
2	Determine the ventilatory mode.	Cognitive	Application
3	Select equipment based on patient assessment.	Cognitive	Knowledge
4	Initiate mechanical ventilation.	Cognitive	Synthesis
5	Reassess the patient.	Cognitive	Knowledge

2 **Patient Stabilization**

Order	Description	Learning	Level of

		Domain	Learning
1	Stabilize the critical care patient.	Psychomotor	Complex Response
2	Provide oxygenation, ventilation, and acid base status.	Psychomotor	Guided Response

3 **Critical Care Monitoring**

Order	Description	Learning Domain	Level of Learning
1	Monitor critical care parameters including EKG, arterial blood pressure, pulmonary blood pressure, vital signs, and other monitoring parameters as available at the clinical site.	Cognitive	Knowledge
2	Assess the patient.	Cognitive	Application

4 **Hemodynamic Measurement**

Order	Description	Learning Domain	Level of Learning
1	List normal hemodynamic values.	Cognitive	Knowledge
2	Explain physiology and pathophysiology associated with normal and abnormal values.	Cognitive	Comprehension

5 **Hemodynamic Evaluation**

Order	Description	Learning Domain	Level of Learning
1	Assess patients in terms of hemodynamic values.	Cognitive	Application
2	Interpret values.	Cognitive	Comprehension
3	Determine physiological etiology of abnormal values.	Cognitive	Application
4	Suggest pharmacologic or ventilatory measures to positively affect these parameters.	Cognitive	Knowledge

6 **Bronchial Hygiene**

Order	Description	Learning Domain	Level of Learning
1	Assess patient’s airway.	Cognitive	Application
2	Perform pulmonary toilet.	Psychomotor	Guided Response
3	Plan a hygiene regime for individual patients.	Cognitive	Synthesis

7 **Weaning Mechanics**

Order	Description	Learning Domain	Level of Learning
1	Perform weaning mechanics including patient assessment, negative inspiratory force, tidal volume, vital capacity, minute volume, and arterial blood gases.	Psychomotor	Guided Response

8 **Extubation**

Order	Description	Learning Domain	Level of Learning
1	Gather extubation equipment.	Psychomotor	Guided Response
2	Assure that emergency equipment and personnel are close by.	Cognitive	Knowledge
3	Perform endotracheal tube extubation.	Psychomotor	Guided Response
4	Administer postextubation care.	Psychomotor	Guided Response
5	Reasses the patient.	Cognitive	Knowledge

9 **Arterial Line Sampling**

Order	Description	Learning Domain	Level of Learning
1	Collect arterial blood sample from an intraarterial line.	Psychomotor	Mechanism
2	Assess the patient.	Psychomotor	Complex Response
3	Clear the arterial line.	Psychomotor	Mechanism
4	Gather equipment.	Psychomotor	Mechanism
5	Reassess the patient.	Psychomotor	Complex Response

10 **Advanced Diagnostics**

Order	Description	Learning Domain	Level of Learning
1	Explain the purpose of advanced diagnostic procedures.	Cognitive	Comprehension
2	Perform advanced diagnostic procedures including patient assessment testing and evaluation of results.	Psychomotor	Guided Response

11 **Pediatric/Neonatal Respiratory Care**

Order	Description	Learning Domain	Level of Learning
1	Perform respiratory care on standard and critically ill pediatric and neonatal patients including patient assessment, chest physiotherapy, airway care, medical gas therapy, oxygen therapy, aerosol therapy, and mechanical ventilation.	Psychomotor	Guided Response

12 **Rehabilitation/Home Care**

Order	Description	Learning Domain	Level of Learning

1	Perform standard rehabilitation/ home care procedures including patient assessment, chest physiotherapy, oxygen therapy, aerosol therapy, and exercise therapy.	Psychomotor	Guided Response