



environment.

Learners will identify and identify some environmental issues.

What  
will  
be  
done

placement in

courses replace another or their existing courses?  Yes  No

If yes, which one?

Is this course a part of or transferable to a baccalaureate program?  Yes  No

If yes, provide the name of at least one of the baccalaureate programs.

Are any special course fees associated with this course?

Yes

No

If yes, explain the need for fees:

- Additional materials
- Additional equipment
- Additional software
- Additional services

**MIDDLE GEORGIA STATE UNIVERSITY**  
School of Health Sciences  
**Respiratory Therapy**  
**Syllabus RESP 3133**  
Cardiopulmonary Critical Care II  
CRN

**INSTRUCTOR:**

**OFFICE:**

**PHONE/FAX:**

**EMAIL:**

**OFFICE HOURS:**

**CLASS HOURS:** 3 credit hours

**CLASS LOCATION:**

**COURSE DESCRIPTION:** This course covers advanced critical care techniques that will be discussed in the context of specific patient cases. Lecture/Lab Hours: Three hours lecture per week.

**LEARNING OUTCOMES:**

- Learners will select appropriate method for managing advanced pulmonary disease in the ICU environment.
- Learners will identify and rectify problems experienced by patients in the ICU on life support systems.
- Learners will modify care plans based on advanced diagnostic indicators.

- ARDS
- Asthma
- COPD

**NATIONAL STANDARDS**

I.A.13. Trends in monitoring results

I.A.13.a. fluid balance

I.A.13.b. vital signs

I.A.13.c. intracranial pressure

I.A.13.d. weaning parameters

I.A.13.e. pulmonary compliance, airways resistance, work of breathing

I.A.13.f. noninvasive, for example

• pulse oximetry • transcutaneous O<sub>2</sub> / CO<sub>2</sub>

• capnography

I.A.14. Trends in cardiac monitoring results

I.A.14.a. ECG

I.A.14.b. hemodynamic parameters

I.A.14.c. cardiac catheterization

I.A.14.d. echocardiography

**COURSE PREREQUISITE/COREQUISITE:**

A "C" or better in RESP 3123 - Cardiopulmonary Critical Care I

**TEXTBOOK:**

**Egan's Fundamentals of Respiratory Care, 10e**

Apr 25, 2012 by Robert M. Kacmarek PhD RRT FAARC and James K. Stoller MD MS

**Cardiopulmonary Anatomy & Physiology: Essentials of Respiratory Care**

Apr 3, 2012 by Terry Des Jardin

**REFERENCES:**

**GRADES:**

A – 90 -100 %

B – 80 - 90 %

C – 75 - 80 %

F – < 75%\*

\*or failure to demonstrate competency at >90% on selected procedures.

**ASSIGNMENT WEIGHTS:**

In-class assignments 20%

Video Submissions 20%

Midterm 20%

Final Exam 30%

Professional Behavior Standards 10%

**CLASS SCHEDULE (subject to revisions)**

~~Wk 1. Respiratory Mechanics, Ventilators, and Airway Management~~

~~Wk 2. CAT scans/ chest x-rays~~

~~Wk 3. Pulmonary Pathophysiology~~

~~Wk 4. Acid-Base Balance~~

~~Wk 5. Oxygenation and Ventilation~~

~~Wk 6. Mechanical Ventilation~~

~~Wk 7. Noninvasive Ventilation~~

~~Wk 8. Airway Management~~

~~Wk 9. Suctioning~~

~~Wk 10. Endotracheal Intubation~~

~~Wk 11. Tracheostomy~~

~~Wk 12. Airway Clearance~~

~~Wk 13. Patient Assessment~~

~~Wk 14. Patient Assessment~~

~~Wk 15. Patient Assessment~~

~~Wk 16. Patient Assessment~~

~~Wk 17. Patient Assessment~~

~~Wk 18. Patient Assessment~~

~~Wk 19. Patient Assessment~~

~~Wk 20. Patient Assessment~~

~~Wk 21. Patient Assessment~~

~~Wk 22. Patient Assessment~~

~~Wk 23. Patient Assessment~~

~~Wk 24. Patient Assessment~~

~~Wk 25. Patient Assessment~~

~~Wk 26. Patient Assessment~~

~~Wk 27. Patient Assessment~~

~~Wk 28. Patient Assessment~~

~~Wk 29. Patient Assessment~~

~~Wk 30. Patient Assessment~~

~~Wk 31. Patient Assessment~~

~~Wk 32. Patient Assessment~~

~~Wk 33. Patient Assessment~~

~~Wk 34. Patient Assessment~~

~~Wk 35. Patient Assessment~~

~~Wk 36. Patient Assessment~~

~~Wk 37. Patient Assessment~~

~~Wk 38. Patient Assessment~~

~~Wk 39. Patient Assessment~~

~~Wk 40. Patient Assessment~~

Wk 2. CAT scans/ chest x-rays

**ASSIGNMENTS AND EXPECTATIONS:**

***In-class assignments:***

Emphasis will be placed on in-class activities that are based on assigned reading topics. These assignments

**Class Attendance:** Students whose number of absences is more than twice the number of class meetings per week may be assigned a failing grade for the course at the discretion of the instructor. Students who have more

absences than the number of class meetings per week but less than twice the number of class meetings per week, the student may receive a 100% reduction in grade. Students who have less than one week of