**CPSC 4550 – Cardiopulmonary Science Capstone**

Credits: 4 Section: \_\_\_\_ Term: \_\_\_\_\_\_\_

**Location & Meeting Time**

Classroom location:

Class Meeting Schedule:

**Contact Information**

**Instructor:**   
**Email:**   
**Phone: (**423) 439-  
**Office:**

**Instructor Availability**

Office Hours:

**Course Description & Materials**

*Prerequisites*: CPSC 4150 and CPSC 4200  
Provides a venue to synthesize knowledge and skills learned during the course of the program. This course prepares the graduate to obtain licensing credentials and enter the profession of respiratory care.

**Required Materials**

[enter textbook, software, tool etc]

**Course Overview**

**Course Purpose and Objectives**

The purpose of this capstone course is to enable students to integrate material learned throughout the cardiopulmonary science program and to successfully pass the National Board of Respiratory Care TMC examination.

* To meet competencies outlined by the Commission on Accreditation for Respiratory Care (CoARC) by competently performing clinical simulations.
* To use mock registry examination results to evaluate students’ knowledge and skills required in the scope of practice detailed by the National Board for Respiratory Care (NBRC) content outline
* To prepare students to pass the National Board for Respiratory Care (NBRC) registry exam in order to meet CoARC standards of accreditation.

**Expected Learning Outcomes**

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| Upon completion of the course, students will:   1. Demonstrate skills needed to pass the written National Board for Respiratory Care (NBRC) board exam and the clinical simulation examination 2. Evaluate data in patients records. 3. Demonstrate quality control of devices and infection control. 4. Demonstrate appropriate decision-making regarding interventions to be provided based on assessment of patient.   **Major Course Topics**   |  | | --- | | * Evaluate data in the patient record * Troubleshoot and quality control of devices * Infection control * Initiation and modification of interventions | |

**Course Policies**

**Attendance**

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| Attendance is mandatory for all scheduled classes.  The Cardiopulmonary Science program recognizes two types of absences: 1. an institutional absence (weather, athletic event, etc.) and 2. a willful or unexcused absence.  Each unexcused absence will result in the student's final grade being reduced by 2 points.  Attendance is taken at the beginning of the class, returning from breaks and at the end of the class.  The student is responsible for notifying the instructor of an anticipated absence at least 30 minutes prior to the beginning of the class, either by phone or email.  Attendance at functions related to respiratory care (national, state, regional conferences, etc.) may be allowed in lieu of normal class attendance, but must be approved by the instructor in advance. |

**Assignment and Grading**

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**Other**

**Syllabus Attachment Information**: The University’s approved Syllabus Attachment Information page provides information about important University and Academic Policies that all students should know. <https://www.etsu.edu/curriculum-innovation/syllabusattachment.php>