



INSTRUCTIONAL PACKAGE

RES 244

Advanced Respiratory Skills I

Effective Term
Spring/2020

INSTRUCTIONAL PACKAGE

Part I: Course Information

Effective Term: Spring 2020 (201920).

COURSE PREFIX: RES

COURSE TITLE: Advanced Respiratory Skills I

CONTACT HOURS: 12

CREDIT HOURS: 4

RATIONALE FOR THE COURSE:

RES 244 is a lecture and lab course that will further classify mechanical ventilators. In RES 244, you will monitor and evaluate commonly used infant, pediatric, and adult ventilators. You will review advanced airway modalities and care. Explain the need for invasive diagnostics tools used in respiratory care. Lastly, you will explain the respiratory roles in assisting with the diagnostic tools used for diagnosing pulmonary diseases

COURSE DESCRIPTION:

This course includes an in-depth study of mechanical ventilation and considerations for management of the critical care patient.

PREREQUISITES/CO-REQUISITES:

Respiratory Care Program course RES 141. Required prerequisite courses must be completed with a grade of "C" or better.

REQUIRED MATERIALS:

Kacmarek, R.M., Stoller, J.K., & Heuer, A.H. (2017). Egan's Fundamentals of Respiratory Care (11th ed). St. Louis, MO: Elsevier/Mosby. ISBN: 9780323341363

Kacmarek, R.M., Stoller, J.K., & Heuer, A.H. (2017). Egan's Fundamentals of Respiratory Care (11th ed). St. Louis, MO: Elsevier/Mosby. ISBN: 9780323358521

Please visit the Bookstore online site for most current textbook information. Use the direct link below to find textbooks.

[BOOKSTORE](#).

Enter the semester, course prefix, number and section when prompted and you will be linked to the correct textbook.

TECHNICAL REQUIREMENTS:

Access to Desire2Learn (D2L), HGTC's student portal for course materials.

WaveNet and D2L email access.

CLASSROOM ETIQUETTE:

As a matter of courtesy to other students and your professor, please turn off cell phones and other communication/entertainment devices before class begins. If you are monitoring for an emergency, please notify your professor prior to class and switch cell phone ringers to vibrate.

It is recognized that personal communication devices, including smart phones, can play a fundamental role in both education and urgent personal connections (for example, a school calling about a sick child). For this reason, use of such devices is permitted in the classroom, with specific reservations:

1. Please set all devices to 'silent' or 'vibrate' during instructional time.
2. Use of devices during testing is NOT allowed.
3. Please limit use of devices to urgent personal connections and educational purposes directly related to the course material being discussed.
4. If you receive an urgent text/call during class that requires immediate attention, please quietly excuse yourself from the classroom to respond to the call.
5. Please refrain from using 'ear buds' or continually using the device as a learning distraction. Professor retains the right to disallow the use of such devices should the policy become a distraction.
6. When on experiential rotations, students are expected to abide by the policies of that institution.

PLAGIARISM & CHEATING:

Refer to the College catalog & Student handbook HGTC Handbook.

The student may be assigned a failing grade for the course or may be required by the professor to withdraw from the course and/or the respiratory care program. Such actions are deemed to be unprofessional behavior within this program and will not be tolerated.

Part II: Student Learning Outcomes

COURSE LEARNING OUTCOMES and ASSESSMENTS*:

Lab/Lecture I

Material Covered: Pediatric Advanced Life Support

Assessments:

- Skill Check Assessment/Laboratory Competency
- Quizzes and Classmate Assignments
- Exam

Learning Outcomes:

1. Successfully complete the Pediatric CPR and AED Skills Check Off Test Sheet.
2. Successfully complete the Respiratory Core Case Skills Check Off Test Sheet.
3. Successfully complete the Shock Core Case Skills Check Off Test Sheet.
4. Successfully complete the Cardiac Core Case Skills Check Off Test Sheet.
5. Successfully pass the multiple choice PALS posttest with a score of 84% or better.

Lab/Lecture II

Material Covered: Emergency Airway Disorders

Assessments:

- Skill Check Assessment/Laboratory Competency
- Quizzes and Classmate Assignments
- Exam

Learning Outcomes:

1. Explain emergency airway disorder etiology, clinical manifestations, diagnosis, and treatment.
2. Use oropharyngeal and nasopharyngeal artificial airways.
3. Demonstrate oral and nasal endotracheal intubation.
4. Maintain endotracheal tubes with patients on ventilator or other respiratory devices.

Lab/Lecture III

Material Covered: Weaning Mechanics and Ventilator Mobilization

Assessments:

- Skill Check Assessment/Laboratory Competency
- Quizzes and Classmate Assignments
- Exam

Learning Outcomes:

1. Explain the indications, contraindications, and hazards of weaning mechanics.
2. List the different modes used for weaning.
3. Identify the different types of equipment used for weaning off mechanical ventilation.
4. Explain the steps to properly weaning off mechanical ventilation.

Lab/Lecture IV

Material Covered: Extubation from Mechanical Ventilators

Assessments:

- Skill Check Assessment/Laboratory Competency
- Quizzes and Classmate Assignments
- Exam

Learning Outcomes:

1. Explain the indications, contraindications, and hazards of extubation from mechanical ventilation.
2. Explain the steps to properly remove patients from mechanical ventilation.

Lab/Lecture V

Material Covered: Pediatric Airway Establishment and Maintenance

Assessments:

- Skill Check Assessment/Laboratory Competency
- Quizzes and Classmate Assignments
- Exam

Learning Outcomes:

1. Explain emergency airway disorder etiology, clinical manifestations, diagnosis, and treatment.
2. Use oropharyngeal and nasopharyngeal artificial airways.
3. Demonstrate oral and nasal endotracheal intubation.
4. Maintain endotracheal tubes with patients on ventilator or other respiratory devices.

Lab/Lecture VI

Material Covered: Fiberoptic Bronchoscopy

Assessments:

- Skill Check Assessment/Laboratory Competency
- Quizzes and Classmate Assignments
- Exam

Learning Outcomes:

1. Explain Fiberoptic bronchoscopy indications, contraindications, procedures, and hazards
2. Explain the role of the respiratory therapist in Fiberoptic bronchoscopy assisting

Lab/Lecture VII

Material Covered: Thoracentesis

Assessments:

- Skill Check Assessment/Laboratory Competency
- Quizzes and Classmate Assignments
- Exam

Learning Outcomes:

1. Explain thoracentesis indications, contraindications, procedures, and hazards.
2. Explain the role of the respiratory therapist in thoracentesis assisting.
3. Contract one chamber, two chamber, and three chamber chest tube drainage systems.

Lab/Lecture VIII

Material Covered: Chest Tube Maintenance

Assessments:

- Skill Check Assessment/Laboratory Competency
- Quizzes and Classmate Assignments
- Exam

Learning Outcomes:

1. Explain chest tube maintenance procedures.
2. Explain the role of the respiratory therapist in chest tube maintenance.

Part III: Grading and Assessment

EVALUATION OF REQUIRED COURSE MEASURES/ARTIFACTS*

Students' performance will be assessed and the weight associated with the various measures/artifacts are listed below.

EVALUATION*

Homework/Quizzes/Projects	15%
Test	60%
Final Exam	25%
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	100%

GRADING SYSTEM:

A grade of "C" or better must be achieved in all required respiratory care program courses for a

student to progress through the program. A final grade of less than 75 is not passing in the Respiratory Care Program and does not meet the requirements for progression within the program. This policy is different than the Horry Georgetown Technical College Grading Policy.

GRADING SCALE:

100 - 90 =	A
89 - 80 =	B
79 - 75 =	C
74 - 69 =	D
68 - 0 =	F

LATE ASSIGNMENTS:

1. A maximum of one (1) scheduled exam may be made up at the discretion of the course instructor. Any subsequently missed exams will receive a grade of 0.
2. Makeup examinations will be taken in the testing center on campus or a location designated by the instructor.
3. A 10% overall deduction will be applied to the makeup examination score for missed examinations unless faculty are notified in advance (more than 12 hours) or medical documentation is provided.
4. Late Homework assignments will have a deduction of ten points of the total assignment grade.
5. Homework assignments will not be accepted after 5 days of the due date.
6. Quizzes are taken in class and cannot be made up if missed.

Grades earned in courses impact academic progression and financial aid status. Before withdrawing from a course, be sure to talk with your instructor and financial aid counselor about the implications of that course of action. Ds, Fs, Ws, WFs and Is also negatively impact academic progression and financial aid status.

The Add/Drop Period is the first 5 days of the semester for **full term** classes. Add/Drop periods are shorter for accelerated format courses. Please refer to the academic calendar for deadlines for add/drop ([ACADEMIC CALENDAR](#)). You must attend at least one meeting of all of your classes during that period. If you do not, you will be dropped from the course(s) and your Financial Aid will be reduced accordingly.

Part IV: Attendance

Horry-Georgetown Technical College maintains a general attendance policy requiring students to be present for a minimum of 80 percent (80%) of their classes in order to receive credit for any course. Due to the varied nature of courses taught at the college, some faculty may require up to 90 percent (90%) attendance. Pursuant to 34 Code of Federal Regulations 228.22 - Return to Title IV Funds, once a student has missed over 20% of the course or has missed two (2) consecutive weeks, the faculty is obligated to withdraw the student and a student may not be permitted to reenroll.

Attendance for Face-to-Face Courses:

For a 15-week course (fall and spring) the allowed number of absences for a M only class is as follows: 3 absences are allowed regardless of reason. After the allowed number of misses, the student will be dropped from the course with a W or a WF.

For a 15-week course (fall and spring) the allowed number of absences for a MW class is as follows: 6 absences are allowed regardless of reason. After the allowed number of misses, the student will be dropped from the course with a W or a WF.

A tardy is given if the student arrives ten minutes after class starts or before class ends. Three tardies are equivalent to one absent.

Part V: Student Resources

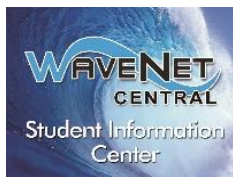


The Student Success and Tutoring Center (SSTC)

The SSTC offers to all students the following **free** resources:

1. **Academic coaches** for most subject areas, **Writing Center Support**, and **college success skills**.
2. **On-line student success and academic support resources**.

Visit the SSTC website: [Student Success & Tutoring Center](#) and visit the student services tab in your WaveNet account to schedule appointments using TutorTrac. For more information, call: SSTC Conway, 349-7872; SSTC Grand Strand, 477-2113; and SSTC Georgetown, 520-1455 or go to the [Online Resource Center](#) to access on-demand resources any time.



Student Information Center: WaveNet Central (WNC)

WNC offers to all students the following **free** resources:

1. **Getting around HGTC**: General information and guidance for enrollment!
2. Use the [Online Resource Center \(ORC\)](#) for COMPASS support, technology education, and online tools.
3. **Drop-in technology support or scheduled training** in the Center or in class.
4. **In-person workshops, online tutorials and more services** are available.

Visit the WNC website: [Wavenet Central](#). Live Chat and Center locations are posted on the website. Or please call one of the following locations: WNC Conway, 349-5182; WNC Grand Strand, 477-2076; and WNC Georgetown, 520-1473.

Disability Services:

HGTC is committed to providing an accessible environment for students with disabilities. Inquiries may be directed to Beth Havens, Director of Student Development on the Conway Campus Jaime Davis, Counselor/Advisor on the Georgetown Campus or Kristin Griffin, Counselor on the Grand Strand Campus. These individuals will review documentation of the student's disability and, in a confidential setting with the student, develop an educational accommodation plan.

Note: It is the student's responsibility to self-identify as needing accommodations and to provide acceptable documentation. After a student has self-identified and submitted documentation of a disability, accommodations may be determined, accepted, and provided.

Statement of Equal Opportunity/Non-Discrimination Statement

Horry-Georgetown Technical College prohibits discrimination and harassment, including sexual harassment and abuse, on the basis of race, color, sex, national or ethnic origin, age, religion, disability, marital or family status, veteran status, political ideas, sexual orientation, gender identity, or pregnancy, childbirth, or related medical conditions, including, but not limited to, lactation in educational programs and/or activities.

Inquiries regarding the non-discrimination policies: Students and prospective student inquiries concerning Section 504, Title II, and Title IX and their application to the College or any student decision may be directed to the Vice President for Student Affairs, Dr. Melissa Batten, VP Student Affairs, Title IX Coordinator, Building 1100, Room 107A, Conway Campus, PO Box 261966, Conway, SC 29528-6066, 843-349-5228, Melissa.Batten@hgtc.edu. Employee and applicant inquiries concerning Section 504, Title II, and Title IX and their application to the College may be directed to the Vice President for Human Resources, Jacquelyne Snyder, VP Human Resources, Section 504, Title II, and Title IX Coordinator, Building 200, Room 212A, Conway Campus, PO Box 261966, Conway, SC 29528-6066, 843-349-5212, Jacquelyne.Snyder@hgtc.edu.

Title IX Requirements

All students (as well as other persons) at Horry-Georgetown Technical College are protected by Title IX—regardless of their sex, sexual orientation, gender identity, part- or full-time status, disability, race, or national origin—in all aspects of educational programs and activities. Any student, or other member of the college community, who believes that he/she is or has been a victim of sexual harassment or sexual violence may file a report with the college's Chief Student Services Officer, campus law enforcement, or with the college's Title IX Coordinator, or designee.

*Faculty and Staff are required to report incidents to the Title IX Coordinators when involving students. The only HGTC employees exempt from mandatory reporting are licensed mental health professionals (only as part of their job description such as counseling services).

<p>Inquiries regarding the non-discrimination policies:</p>	
<p>Student and prospective student inquiries concerning Section 504, Title II, and Title IX and their application to the College or any student decision may be directed to the Vice President for Student Affairs.</p>	<p>Employee and applicant inquiries concerning Section 504, Title II, and Title IX and their application to the College may be directed to the Vice President for Human Resources.</p>
<p>Dr. Melissa Batten, VP Student Affairs <i>Title IX Coordinator</i></p> <p>Building 1100, Room 107A, Conway Campus PO Box 261966, Conway, SC 29528-6066 843-349-5228 Melissa.Batten@hgtc.edu</p>	<p>Jacquelyne Snyder, VP Human Resources <i>Section 504, Title II, and Title IX Coordinator</i></p> <p>Building 200, Room 212A, Conway Campus PO Box 261966, Conway, SC 29528-6066 843-349-5212 Jacquelyne.Snyder@hgtc.edu</p>