



Cardiopulmonary Assessment

RES 104.01 – Internet-Based Learning

Winter 2021

Number of Credits: 2

Days Class Meets: Internet-Based Learning

Office Phone: (517) 796-8551

Meeting Times: Internet-Based Learning

Contact Email: parkersarahg@jccmi.edu

Location: HLC 204

Virtual Office Hours:

Instructor: Sarah Parker, MAOM, RRT, RRT-NPS

Mon - Thur: 9:00 – 16:00

Additional times by virtual appt

Office: RES 104 Big Blue Button

Course Description

This course is an introduction to basic physical and laboratory assessment of cardiopulmonary patients. Topics include basic pulmonary function and medical lab values, blood gas analysis, and bedside patient assessment equipment and techniques.

Prerequisite(s)

Admission to the respiratory care program

Course Goals

The course goals and objectives incorporate specific General Education Outcomes (GEOs) and Essential Competencies (ECs) established by the JC Board of Trustees, administration, and faculty. These goals are in concert with four-year colleges, universities, and reflect input from the professional communities we serve. GEOs and ECs guarantee students achieve goals necessary for graduation credit, transferability, and professional skills needed in many certification programs. The course objectives addressed in this class include the following:

- **Cognitive (EC 1):** Each student will be expected to **Compare and contrast the four major components of respiratory physical assessment.**
- **Cognitive (EC 1):** Each student will be expected to **Cite normal values for and interpret an arterial blood gas in terms of oxygenation, ventilation and acid-base status.**

Course Objectives

Major Units:

1. Bedside Assessment of the Patient
2. Review of Thoracic Imaging
3. Solutions, Body Fluids, and Electrolytes
4. Ethics and the End of Life
5. Interpreting Clinical and Laboratory Data
6. Analysis and Monitoring of Gas exchange
7. Flexible Bronchoscopy and the Respiratory Therapist.

Detailed objectives will be distributed during the course to align with these general objectives.

Expected Time Commitment:

For each credit hour in this course, the student is expected to put in a minimum of three hours of study time. Use your time management skills to plan for a minimum of 6 hours each week. The best way to utilize your time is to set up a schedule that blocks out time for lecture, group study, lab, and ample study time.

Textbooks/Reference Materials

Required Texts:

1. Egan's Fundamentals of Resp. Care, 12th ed., Kacmarek et. al., Elsevier, 2021, ISBN 978-0-3233-4136-3. (Egan)
2. Respiratory Care: Patient Assessment and Care Plan Development, 1st ed., Shelledy and Peters, Jones and Bartlett, 2016, ISBN 978-1-4496-7244-7. (Shelledy)
3. Equipment for Respiratory Care, 1st ed., Volsko, et. al., Jones and Bartlett, 2016, ISBN 978-1-4496-5283-8. (Equip).
4. Lecture syllabus, unit outline, class handouts and supplements.

Textbook Zero: All texts are available in digital format from the bookstore / many online sources.

Follett Access

- Please [review the cost of your required materials](#) to determine the best option for you to purchase your materials.
- For more information on the Follett ACCESS Program, you can view the [view the frequently asked questions](#).

If, after reviewing the costs, you choose to opt out, you may do so here: www.jccmi.edu/optout. Please note your opt out selection is for your entire semester schedule. You cannot opt out and opt in to individual courses. And you must opt out by the due date for your first class.

Class Starts On:	Opt Out Date:
January 11, 2021	January 14, 2021
February 15, 2021	February 18, 2021

Class Starts On:	Opt Out Date:
March 15, 2021	March 18, 2021
March 30, 2021	April 2, 2021

If you have questions about materials, please contact the Jackson College Follett bookstore at jackson@bkstr.com. For account billing questions, please contact the Jackson College Cashier at jccashier@jccmi.edu.

Ground Rules for Online Communication & Participation:

- Online threaded discussions are public messages, and all writings in this area will be viewable by the entire class or assigned group members.
- Posting personal contact information is discouraged (e.g., telephone numbers, address, personal website address).
- Online Instructor Response Policy: I will check email frequently and will respond to course-related questions within 24 hours.
- Observation of "Netiquette": All your online communications need to be composed with fairness, honesty, and tact. Spelling and grammar are very important in an online course. Your level of professionalism has a direct correlation to the content you post.
 - Grammarly is a free tool available to assist you during your online journey.
- Two words: **REMEMBER HIPPA**. Make sure never to identify patients or employees of your institution by name or title when commenting on your clinical practice experience. **The intent is that your experiences will be a valuable asset to this class – share them wisely.**

Guidelines for a Productive Discussion

- The discussion board is your space to interact with your peers related to current topics or responses to your peer's statements. It is expected each student will participate in a mature and respectful fashion.
- Participate actively in the discussions, having completed the readings, and thought about the issues.
- Please pay close attention to what your classmates write in their online comments. Ask clarifying questions when appropriate. These questions are meant to probe and shed new light, not to minimize or devalue comments.
- Think through and reread your comments before you post them.
- Assume the best of others in the class and expect the best from them.
- Value the diversity of the class. Recognize and value the experiences, abilities, and knowledge each person brings to class.
- Your posts should be more than four sentences and offer a different perspective, provide clarification, or provide a resource or new data.

Discussion Board Participation

Students must participate with each other and the instructor actively. You are required to post a minimum of 2 times on 2 different days each week. Initial posts are due each Wednesday by 11:59PM, and your two responses are due each Sunday by 11:59PM. **Your posts should be more than four complete sentences, offer a different perspective, provide clarification, provide a resource or new data to receive full points.**

Grading Procedure

Course points are derived from unit exams, quizzes and assignments, and a comprehensive final exam. Most testable material for unit and final exams is listed in unit objectives but can also be based on relevant review questions from the previous term as well as other classes in this term and may include additional material as covered in class outlines and lectures. Additional quizzes, assignments, case studies, or exams may be assigned in addition to those scheduled.

The system for evaluation will consist of:

- Exams: 60%
- Labs: 20%
- Classroom & Group: 10%
- Quizzes: 10%

Exams

All exams will be opened on Sunday mornings 12:01am and must be completed by Monday 23:59.

If you are unable to take the exam during the time, notify me immediately for other arrangements. I may be notified directly by email or by text via the REMIND app.

All exams are timed and proctored. The total time for each exam will be determined by the number of questions on the exam. Prior to each exam, the time limit will be displayed. The questions will be randomized; each student will have a different exam and will only be open for one single attempt. **Mobile devices are not recommended for taking tests or submitting assignments.**

Grading Scale for All Respiratory Care Courses

To pass RES 104 the final course average score must be $\geq 76\%$.

GPA	GRADE RANGE
4.0	93-100%
3.5	89-92%
3.0	84-88%
2.5	80-83%
2.0	76-79%

1.5	73-75%
1.0	68-72%
0.5	64-67%
0.0	0-64%

Academic Honesty Policy

Academic Honesty is defined as ethical behavior that includes student production of their own work and not representing others' work as their own, by cheating or by helping others to do so.

Plagiarism

Plagiarism is defined as the failure to give credit for the use of material from outside sources. Plagiarism includes but is not limited to:

- Submitting other's work as your own
- Using data, illustrations, pictures, quotations, or paraphrases from other sources without adequate documentation
- Reusing significant, identical or nearly identical portions of one's own prior work without acknowledging that one is doing so or without citing this original work (self-plagiarism)

Cheating

Cheating is defined as obtaining answers/material from an outside source without authorization. Cheating includes, but is not limited to:

- If you are caught cheating, you will receive ZERO percent for that assignment.
- Plagiarizing in any form
- Using notes/books/electronic material without authorization
- Copying
- Submitting others' work as your own or submitting your work for others
- Altering graded work
- Falsifying data
- Exhibiting other behaviors generally considered unethical
- Allowing your work to be submitted by others

Incompletes Policy

(Excerpt from JC Policy) "A student may request an incomplete from the instructor. The incomplete will be granted only if the student can provide documentation that his or her work up to that point is sufficient in quality, but lacking in quantity, due to circumstances beyond the student's control. Furthermore, a written

plan for making up the missing work within one semester must be completed by the student. Final determination of whether an incomplete will be given is the instructor's decision."

Help

It can be very frustrating when you do not understand concepts and are unable to complete homework assignments. Please reach out if you are struggling with a topic. We can meet virtually if needed. These resources are also available to our students.

- **CENTER FOR STUDENT SUCCESS:** Tutors (plus additional services for academic success) can be accessed by calling **796-8415**. Arrange to get regular assistance from a tutor.
 - **STUDY GROUP:** Find a study partner or a study group via virtual classroom. Sometimes it helps to work through problems with another person.
 - **JETNET:** There will be material posted there to help students and allow them to ask questions of the instructor and/or the group.
 - **EMAIL:** The best and quickest way to get a hold of me.
1. Thirdly, assignments or take home quizzes are expected to be handed in on the appropriate due date (which shall be **one week** from when they are given out in class). They may be handed in any time on the due date up to 4 pm with no penalty. In general, assignments that are late will be subject to a late penalty (5 pts/day deducted from the final grade for that assignment, for up to 8 days late to give a maximum of -40 pts for turn-ins late by one week; assignments turned in later than 8 days will lose an additional 10 pts/week).

Accessibility

Jackson College understands that cultivating a broadly diverse community is crucial to our educational mission and to our foundational commitment to leadership and service. Jackson College is fully committed to ensuring our courses are accessible to everyone including those with disabilities. We are currently working to increase accessibility and usability of our course materials in order to meet or exceed the requirements of Section 508 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1991 and Web Content Accessibility Guidelines (WCAG) 2.0. For more information about Jackson College's efforts to ensure accessibility please visit the [Jackson College accessibility web page](#).

If you have an accessibility need in any of our classes please email the Center for Student Success at JCCSS@jccmi.edu or visit the [Center for Student Success web page](#).

At the Center for Student Success (CSS), we are committed to providing all students the opportunity to achieve academic success by providing a variety of support services free of charge to Jackson College students. This includes, but is not limited to, peer and faculty tutoring, mental health referral, temporary assistance with transportation, various workshops/seminars, and the TRIO program.

In addition, the CSS staff is committed to adapting the College's general services to meet the individual needs of otherwise qualified students with disabilities, for the purpose of providing equal access to all programs and facilities.

Attendance- Participation Policy

For online sections

Just as in a traditional classroom course, regular class participation and keeping up on the reading and assignments is strongly correlated with survival in college. It is my recommendation that you plan to do your assignments and take your exams BEFORE the last hour they are due. If problems occur, there is time to fix them before the deadline.

In compliance with Federal Title IV funding requirements and college initiatives, I will be monitoring student participation regularly and officially reporting student activity throughout the term to assure compliance with college policy and federal regulations. It is imperative that you log in to the course and actively participate within the first couple of days of the term to validate your enrollment in the course. After that, not actively participating in class may result in you being withdrawn from the course. Being withdrawn from a course can impact financial aid, billing, athletic eligibility, and housing status. As a college student, you are responsible for how your participation affects your academic progress; the accountability lies with you.

Important Dates: Winter 2021

Winter 2021 Academic Calendar		
Event	Start Date	Notes
COURSE DATES		
REGISTRATION BEGINS FOR ALL STUDENTS <i>New students must contact Admissions at 517.796.8425 prior to registering for classes.</i>	Oct. 21, 2020	
Semester Dates	Jan. 11 – May 1, 2021	
15 Week Session	Jan. 11 – May 1, 2021	
7 Week Session 1	Jan. 11 – Feb. 28, 2021	
5 Week Session 1	Jan. 11 – Feb. 14, 2021	
5 Week Session 2	Feb. 15 – March 29, 2021	
7 Week Session 2	March 15 – May 1, 2021	
5 Week Session 3	March 30 – May 1, 2021	
OTHER DATES		
Faculty Learning Days	Jan. 6-8, 2021	
Martin Luther King Jr. Day	Jan. 18, 2021	No classes
Mid-Semester Break	March 8-14, 2021	No classes