

Cardiopulmonary Pathophysiology I

RES 114.01 – Internet Based Learning

Spring 2020

Number of Credits: 2

Office Phone: (517) 796-8551

Days Class Meets: Monday

Cell Phone: (517) 812-0079

Meeting Times: Internet-Based Learning

Contact Email: parkersarahg@jccmi.edu

Location: Internet-Based Learning

Virtual Office Hours:

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

Mon - Thur: 8:30 – 4:00pm

Additional by virtual appt

Office: JW 239

Online: JetNet course

Course Description

The student in this course will be able to describe the etiology, pathophysiology, clinical manifestations, diagnosis, and management of a variety of cardiopulmonary diseases and processes. Using a series of case studies, student will continue to develop assessment skills and apply Clinical Practice Guidelines to develop care plans for patients with cardiopulmonary disease.

Prerequisites

RES 100: Respiratory Care Techniques I

RES 104 Cardiopulmonary Assessment I

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/contrast the etiology, pathology, clinical manifestations, laboratory findings, diagnosis, treatment, and management of the obstructive diseases and infectious pulmonary disease.**
- **GEO 2:** Each student will be expected to **Speak clearly, concisely, and intelligibly.**

Course Objectives

Major Units:

1. Assessment of Respiratory Disease
2. Obstructive Diseases (Chronic Bronchitis, Emphysema, Asthma, Bronchiectasis, Cystic Fibrosis)
3. Infectious Pulmonary Disease (Pneumonia, Lung Abscess, Tuberculosis, Fungal Diseases)
4. Disorders of the Pleura and Chest Wall (Effusion/Empyema, Kyphoscoliosis), Interstitial Lung Disease

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 six hours each week. The best way to utilize your time is to set up a schedule in which you are participating early in the week and many times throughout the week (see discussion board requirements below). New weekly assignments will appear every Monday. To keep everyone together as we travel down the online road there will be no jumping ahead.

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 of 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.
- 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.

Textbooks/Reference Materials

Required Texts:

1. Clinical Manifestations and Assessment of Respiratory Disease, 7th ed., Des Jardins, Elsevier, 2015, ISBN 978-0-3232-4479-4. (**Des Jardins**).
2. Egan's Fundamentals of Resp. Care, 11th ed., Kacmarek et. al., Elsevier, 2017, ISBN 978-0-3233-4136-3. (**Egan**)
3. Respiratory Care: Patient Assessment and Care Plan Development, 1st ed., Shelledy and Peters, Jones and Bartlett, 2016, ISBN 978-1-4496-7244-7. (**Shelledy**)
4. Lecture syllabus, unit outline, class handouts and supplements.

Optional Texts:

1. The Essentials of Respiratory Therapy, 4th ed., Kacmarek, et. al., Elsevier, 2005, ISBN 978-0-3230-2700-7. (**Kacmarek**).

NOTE: (**Bold Name**) represents how this text will be referred to when cited in unit outlines.

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

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 lecture. Additional quizzes, assignments, case studies or exams may be assigned in addition to those scheduled.

The system for evaluation will consist of:

- Exams: 70%
- Discussion Boards: 10%
- Quizzes/Assignments: 20%

Exam Process

All exams must be completed by Friday 11:59 pm. If you are unable to take the exam during the scheduled week, notify me immediately for other arrangements. I may be notified directly by email or by phone via voice-mail message at (517) 812-0079.

All exams are timed. The total time for each exam will be determined by the number of questions on the exam; you will receive two minutes per question. Prior to each exam, the time limit will be displayed. The questions will be randomized and will only be open for one single attempt. **Mobile devices are not recommended for taking tests or submitting assignments.**

Respondus

To protect the fairness and integrity of the exams, students will be required to take exams using Respondus Lockdown Browser and Monitor. This is an online test proctoring software that requires a download to your computer. Training and practice of Respondus technology will be provided in advance of the first exam. A Mac or PC that has a webcam and microphone is required to use Respondus. If you do not have this technology, please contact your instructor right away. Students

are expected to complete the Respondus Practice quiz on time. This is to give our IT department time to help troubleshoot issues **before** exam 1 begins. Failure to complete the Respondus quiz on time may result in instructor-initiated drop.

Pulse Checks

Every 3 weeks there will be a private discussion post between you and me. You must provide an initial response by Sunday at 11:59 pm. Your responses should be well composed, insightful, and be free of spelling and grammatical errors.

Students will be expected to complete an evaluation of the course on-line in JetNet at the conclusion of the semester.

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

If I suspect you of academic dishonesty, I will follow JC's Academic Honesty Policy and take appropriate action up to and including assigning a failing grade for the paper, project, report, exam, or the course itself (whichever I deem necessary). To see the policy, visit: <https://www.jccmi.edu/wp-content/uploads/StudentCodeOfConduct.pdf>.

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 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 is defined as obtaining answers/material from an outside source without authorization.

Cheating includes, but is not limited to:

- 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.

Accessibility

Accommodations do not automatically carry over to the next semester.

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 e-mail 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 Policy

Weekly online presence in class is required. If you are unable to contribute, please contact me immediately via email. You may be dropped from this course if you are not participating in class activities.

Failure of Course

See program handbook for program reentry process.

Calendar – Remainder of the Semester

RES 114 - SP 2020

Week	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
May 1	18 Thoracic Imaging	19	20	21	22	23	24 Quiz(zes) Due
2	25 Memorial Day	26	27	28	29 Unit 1 Exam Opens @ 12:01am	30	31 Quiz(zes) Due
	Patient Assessment						
June 3	1	2	3	4	5	6	7
4	8 Interview Assignments - Introduced COPD Asthma	9	10	11	12	13	14 Quiz(zes) Due
	15 Bronchiectasis Cystic Fibrosis	16	17	18	19 Unit 2 Exam Opens @ 12:01am	20	21 Quiz(zes) Due
5	22 Interview Assignments - Upload by Sunday @ 11:59pm	23	24	25	26 Unit 2 Exam Closes @ 11:59pm	27	28 Pulse Check 2 Due
6	29	30	1	2	3	4	5
7	Pneumonia Lung Abscess				Happy Fourth of July!		No Quiz - Enjoy
					6	7	
8	13	14	15	16	17 Unit 3 Exam Closes @ 11:59pm	18	19 Pulse Check 3 Due
9	20 Plural Diseases Kyphoscoliosis	21	22	23	24	25	26 Quiz(zes) Due
10	27 Pneumoconiosis	28	29	30	31 Final Exam Opens @ 12:01am	1	2 Quiz(zes) Due
11	3	4	5	6	7 Final Exam Closes @ 11:59pm	8	9 Class Surveys Due
12	August						

Important Dates: Spring/Summer 2020

Spring 2020		
Event	Dates	Notes
REGISTRATION BEGINS FOR ALL STUDENTS <i>New students must contact Admissions at 517.796.8425 prior to registering for classes.</i>	April 10, 2020	Register - Spring 2020
Semester Dates	May 18 - Aug. 10, 2020	
Day and evening classes begin	May 18, 2020	
Memorial Day	May 25, 2020	No classes
Independence Day Holiday	July 3-5, 2020	No classes
End of Spring Semester	Aug. 10, 2020	

Spring 2020 Add/Drop Dates

Census Date: Students dropped prior to the census date will not incur any financial implication to tuition, Federal Student Aid, etc.

Drop with W: Tuition charges have been applied and refunds to Federal Student Aid need to be processed for students who are dropped after this date.

Last Day to Withdraw: Last day to add or drop a student from a class. After this date students can no longer be "dropped. Final grades must be reported.

NEED HELP?
[Click here](#)