



SAN JUAN COLLEGE

**RESP 120 Cardiopulmonary Pathophysiology Section Name Section Credit Hours Credits**  
**Syllabus**

**Section-specific Course Description:**

## Course Level Objectives

Upon successful completion of the course, the student will be able to:

1. Describe the role of the respiratory therapist in the patient assessment:
  - A. Identify the role of the respiratory therapist in patient assessment.
  - B. Identify the most common symptoms associated with cardiopulmonary disease.
  - C. Discuss the common physical examination procedure performed to evaluate patients with cardiopulmonary disease.
2. Identify the different laboratory tests used in cardiopulmonary assessment:
  - A. Identify and interpret clinical laboratory data.
  - B. Discuss blood gas and pulmonary function testing values observed in cardiopulmonary diseases.
  - C. Describe chest x-ray abnormalities in cardiopulmonary diseases.
  - D. Identify common cardiac arrhythmias observed in cardiopulmonary diseases
3. Discuss the various aspects of respiratory failure:
  - A. Explain respiratory failure, ventilator failure, and oxygenation failure.
  - B. Identify the causes of respiratory failure.
  - C. Identify the effects of respiratory failure on the lung, heart, and other organs.
  - D. Identify the clinical features associated with respiratory failure and the general treatment.

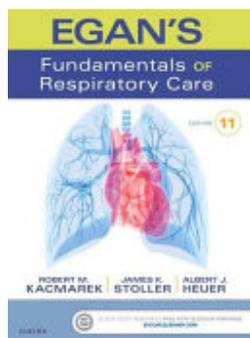
4. Discuss chest trauma and postoperative atelectasis:

- A. Etiology
- B. Clinical manifestations
- C. Clinical laboratory tests
- D. Respiratory laboratory tests
- E. Management

5. Discuss asthma, COPD, and cystic fibrosis:

- A. Etiology
- B. Clinical manifestations
- C. Clinical laboratory tests
- D. Respiratory laboratory tests
- E. Management

## Required Texts and/or Materials



### **Egan's Fundamentals of Respiratory Care**

9780323341363

Robert M. Kacmarek, James K. Stoller, Al Heuer

Mosby

2016-04-01

## Required Technology and Software

- Canvas
- Chrome, Safari, or Firefox

# Course Requirements

Students will do the following activities:

Each student is personally accountable for all respiratory therapy program student responsibilities outlined in the SJC Respiratory Therapy Student Handbook, the SJC Student Handbook, the SJC Respiratory Therapy Student Clinical Practicum Guide, as well as those outlined in the individual course guidelines.

Because each course builds on your foundation for future employment as a respiratory care practitioner we expect professional behavior and attendance during all classroom sessions. The health care field has serious responsibilities and the need for the highest level of competence, integrity, professionalism, compassion, empathy, and respect in a healthcare provider.

## Other Classroom Policies and Expectations

### Cell Phones

All cell phones are to remain OFF or on the vibrate mode during class times, AND PUT AWAY. If you are expecting a phone call during class time you will need to inform the instructor before the class starts. This is a disruption to the class period and to your fellow students. Cell phones are NEVER to be answered in the classroom during class time and absolutely no texting during class time. If it is determined that a student has been using his/her cell phone during instruction the student will receive a zero for assignments/quizzes/competencies which are completed/due during that class period.

Use of electronic recording devices during classroom time: You must receive permission from the instructor to use electronic recording devices, the use of tape recorders and other recording devices will be at the instructor's discretion.

### Social Media Websites

Any information gleaned from class content is not to be posted on any social media website or other internet sources. Class information is intended for use by respiratory therapy students only.

## Grading

Final grades are calculated based on the following...

To determine final grades use the calculations above along with the table below.

Homework	40%
Quizzes	15%

Midterm	20%
Final	25%

## Course Time Commitment

On a weekly basis, on average, a student should expect to commit a minimum of three hours (on your own) for every hour you are in class to successfully complete course requirements. This includes reading, studying, making notes, working on assignments, etc.

## Canvas Participation and Expectations

Students need to log into Canvas on a daily basis. Please set up your Canvas student account to receive emails or class messages on your personal email account or through your cell phone.

## Participation and Attendance Policy

As is stated in the Respiratory Therapy Student Handbook-- The individual instructors may require more stringent attendance requirements. Please read the following which outlines the Attendance requirements for this course.

1. Punctual attendance at all scheduled classes and/or events is expected.
2. Because of the course content, lab, and clinical experience, attendance is mandatory. All class/lab/clinical hours must be completed as scheduled.
3. It is the responsibility of the student to notify the instructor regarding class/lab/clinical absence prior to the scheduled class/lab/clinical.
4. Absences: In the event of an absence, the student must communicate with the instructor before the scheduled class time.
5. Two or more absences and/or three tardy/late arrivals will result in counseling with the instructor, the program director, the dean of health sciences and may result in suspension and/or possible dismissal from the program.
6. In addition, more than 2 absences are defined as excessive and will result in a minimum of a 10% deduction in the final grade.
7. In regards to tardiness (>10 min late) the final grade will be reduced 1% after the second tardiness and for each subsequent tardy.
8. Leaving more than 15 minutes early without prior approval by the instructor will result in tardiness.
9. Any absences over six may result in dismissal from the class.

10. Three NO CALL/NO SHOW absences may result in immediate dismissal from the class.
11. Individual instructors may require more stringent attendance requirements. Please read the appropriate course guideline

## Instructor Response Times & Regular Interaction Expectations

The instructor will respond to your emails and phone calls within a 24 hour period during the week and a 48 hour period over the weekend. Grades are typically entered for weekly assignments during the week the assignment is due. Grades are entered for written papers or special assignments within a 7-14 day period. Typically exams are corrected as each one is completed in Canvas. If an exam has essay style questions on it the questions will be graded within a 24-48 hour period following the completion of the exam.

## Key Dates to Remember

[Full Academic Calendar](#)

## Course Schedule

<https://www.sanjuancollege.edu/academiccalendar>

## Program Handbook

The Respiratory Therapy Program Handbook provides information on student program specific support, and policies.

[RT Program Policy Handbook](#)

The Respiratory Therapy Clinical Practicum guide provides information on policies and procedures for the clinical practicum.

[Clinical Practicum Guide](#)

## Technical Support

Technical support is available through the San Juan College Help Desk 24/7/365. The help desk can be reached at 505-566-3266 or by creating a ticket at [San Juan College Help Desk](#).

For password reset and Canvas support, visit the [Student Technology Guide](#) website.

## Accessibility/Privacy Policies for all Technology Tools Used

[Accessibility/Privacy Policies for all Technology Tools Used](#)

## Student Support

At San Juan College, we are committed to supporting your academic success and overall well-being. We recognize that college life can be challenging and stressful, impacting both learning and personal health. We are here to help you succeed.

### **Academic Support and Resources**

We provide a range of academic support services to help you stay on track on your educational journey. Free resources include tutoring, computer loans, life skills workshops, and so much more. Visit the [Academic Support and Resources](#) webpage to learn more about support and resources available through Academic Advising, the Tutoring Center, the Student Resource Center (formerly Student Achievement Center) and the Testing Center.

### **Student Support and Resources**

If you or someone you know could benefit from counseling, accessibility services, career exploration, veteran transitional assistance, or any of our other support services, visit the [Student Support and Resources](#) webpage where you'll find detailed information about various resources available to you as an SJC student.

We encourage you to take advantage of these free resources to enhance your college experience and ensure your success.

## College Policies and Resources for Current Students

The [Student Handbook](#) provides information on student support, student organizations, and student conduct policies at San Juan College.

The San Juan College catalog outlines the [Academic Policies](#) students need to know.

# Healthy and Safe Practices for Being on Campus

We want a healthy and safe campus for students, faculty, staff, and guests.

## **Contagious diseases and your responsibility:**

If you have COVID-19 symptoms, fever, flu or even the common cold, you should stay home. Do not come to campus if you are feeling sick. Contact your instructor about missing class (and review your instructor's policies on missed or late work). Being sick does not necessarily excuse you from completing your work on time.

## **Safety on campus and your responsibility:**

If you are on campus and experience or witness an emergency, call 9-1-1 first and then the Department of Public Safety at 505-566-3333 (or just 3333 if calling from a campus phone).

When you are on campus, be aware of your surroundings. If you need an escort to your vehicle, call 505-566-4444 (DPS non-emergency line) or 505-215-3091 (officer on duty line).

The College will send information for campus emergencies through SJC AlertAware, email and the webpage. Stay informed and stay safe.

## Inclement Weather Information

Students will receive notification of class delays and cancellations due to inclement weather via the SJC AlertAware and SJC student email. Face-to-face classes will not meet in person; however, students are advised to check with instructors about alternative meeting options, as some may choose to meet via zoom. Hybrid classes will meet as scheduled via zoom. For questions regarding your class delay or cancelation, please contact your instructor.

## Online Course Fee

Online Courses - San Juan College requires all online courses to include some form of assessment to demonstrate the mastery of course objectives. This could include exams, capstone projects, e-portfolios, presentations, final papers or other appropriate assessments. The use of a proctoring platform, plagiarism detection software or other method to ensure that assessments are completed by the enrolled student is required.

A course fee of \$5.00 is assessed for all online courses at San Juan College to cover the cost of the above services. Students who are required to take a proctored exam and choose to use a physical

testing center outside the SJC Testing Center or SJC Disability Services will be responsible for the cost of using that center.