

SAN JUAN COLLEGE

RESP 116 Cardiopulmonary Pharmacology Section Name Section Credit Hours Credits
Syllabus

Section-specific Course Description:

Course Level Objectives

Program Learning Outcome

1. Analyze assessment data to prioritize patient care and provide patient education for the prevention and treatment of pulmonary disease and disorders.
 - Discuss and identify the following:
 1. bronchodilators- B-agonists,
 2. anticholinergics,
 3. methylxanthines,
 4. anti-inflammatory drugs,
 5. secretions modifier,
 6. surfactant therapy,
 7. inhaled anti-microbial drugs anticoagulants,
 8. diuretics, vasopressors,
 9. inotropic agents,
 10. vasodilators,
 11. opiates,
 12. sedatives,
 13. neuromuscular blockers
2. Provide culturally sensitive care to patients across their lifespan.

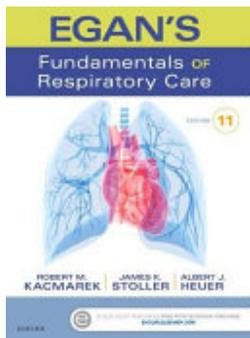
- Compare and identify rights of patients, routes of drug administration, and various aerosol delivery devices.

3. Integrate clinical research and evidence-based practice for informed decision-making in the provision of quality patient care.

- Define and describe pharmacology, pharmacokinetics, pharmacodynamics, the prescription, and the process of drug approval in the U.S.
- Discuss and identify drug indications, dosage, toxicity, side effects, allergic reactions, and other drug terminologies.
- Discuss the pharmacology of the respiratory system.

The student learning outcomes for the San Juan College Respiratory Therapy Program are aligned by reviewing with expected outcomes from the Commission on Accreditation for Respiratory Care (CoARC) and American Association for Respiratory Care (AARC). The Therapist-Multiple Choice examination (TMC) matrix was reviewed to ensure consistency with graduate expectation for entry-level practice. A review of student learning outcomes from like schools with an associate degree in Respiratory Therapy program was used as a benchmark for similar educational program expectations.

Required Texts and/or Materials



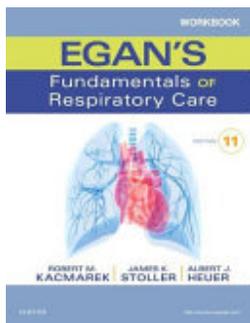
Egan's Fundamentals of Respiratory Care

9780323341363

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

Mosby

2016-04-01



Workbook for Egan's Fundamentals of Respiratory Care

9780323358521

Robert M. Kacmarek

Mosby

2016-04-01

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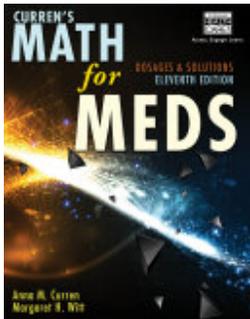
Integrated Cardiopulmonary Pharmacology

978-1-5178-0509-8

Bruce J. Colbert

2008-01-01

Include www.bvtlab.com



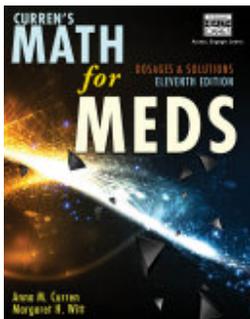
Curren's Math for Meds: Dosages and Solutions

13:978-1-1115-4091-3

Anna M. Curren, Margaret Witt

Cengage Learning

2014-01-01



Curren's Math for Meds: Dosages and Solutions

13:978-1-1115-4091-3

Anna M. Curren, Margaret Witt

Cengage Learning

2014-01-01

Required Technology and Software

- Canvas
- Chrome, Safari, or Firefox

Course Requirements

Students will do the following activities:

1. Define and describe pharmacology, pharmacokinetics, pharmacodynamics, the prescription, and drug approval process in the U.S.

2. Discuss and identify drug indications, dosage, toxicity, side effects, allergic reactions, and other drug terminologies.
3. Discuss the pharmacology of the respiratory system.
4. Compare and identify rights of patients, routes of drug administration, and various aerosol delivery devices.
5. Discuss and identify the following:
 - bronchodilators- B-agonists,
 - anticholinergics,
 - methylxanthines,
 - anti-inflammatory drugs,
 - secretions modifier,
 - surfactant therapy,
 - inhaled anti-microbial drugs,
 - anticoagulants,
 - diuretics, vasopressors,
 - inotropic agents,
 - vasodilators,
 - opiates,
 - sedatives,
 - neuromuscular blockers

Other Classroom Policies and Expectations

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. For the student to be successful in this course, please review the following guidelines.

For the WEEKLY Homework Assignment, please review the following details:

1. Review Chapters and complete the weekly assignment BEFORE you come to class. It is the student's responsibility to be prepared for every class session. Turn in the weekly homework assignment as directed in this online forum. To receive credit for completing your homework assignment, you must turn them in. You are responsible for turning in assignments on time.
2. Read the assigned chapters and any supplemental reading material provided. Each assignment is crucial to the student's performance and comprehension of course materials.
3. You may be quizzed at the start of each class meeting on the assigned reading, PowerPoint, or informational resources provided in the week's module.
4. PLEASE bring the required textbooks to class every day.
5. Please come to class prepared and ready to learn. Readiness to learn means that you will come to class with questions and insights and be prepared to discuss the relevance and application of course materials. This includes being actively engaged in group discussions and group activities.
6. ALL homework assignments must be completed to pass this course. This is not a course where you can skip an assignment because you are busy or don't feel like doing the assignment. Therefore if you miss a deadline, you will earn a "0" for the assignment, AND you will still be required to submit the assignment. If you have any assignments that are incomplete at the end of the semester, you will receive an "F" in the course.
7. If the student misses more than one homework assignment, the homework grade will be reduced by 1% for each missed or late assignment.
8. If NO assignment is turned in by the assignment deadline, you will receive a ZERO.
9. NO LATE HOMEWORK ASSIGNMENTS will be accepted for credit unless you have made PRIOR arrangements with your instructor.
10. If you are absent from class, you will receive a ZERO for the assignments that are due and any exams and/or quizzes assigned on the day of your absence; unless you have made PRIOR arrangements with your instructor.
11. The student is responsible for making arrangements for any make-up work, quizzes, and/or tests. In the case of an emergency, the student is required to return to the next class with an official note to explain the incident.
12. There will be competency check-offs on the procedures being reviewed in the course. The student must perform the procedures before the instructor with No Critical Errors Noted to pass the course satisfactorily.
13. Be aware that any student whose actions interfere with regular classroom activities or clinical could be subject to suspension or expulsion from the program. Also, any sign of rejecting, rude, disrespectful, derogatory, judgmental behaviors towards clients, classmates, agency, staff, and/or faculty is not tolerated and will be subject to suspension or expulsion.
14. The student must pass the midterm exam and the final exam with a minimum score of 75 % to pass the course. If the midterm or final exam grade is below the minimum of 75%, you will

receive a grade of "D" or "F" in the course as determined by your instructor.

****Amendments and changes to the course guide are possible and may be altered if circumstances warrant.****

Grading

Final grades are calculated based on the following...

A = 93 % or higher

B = 83%–93%

C = 75%–83%

F = 74% or below.

Category	Weight
Quizzes	15
Midterm	30
Homework	20
Final Exam	30
Attendance	5
Total	100

Note: The student must pass the midterm exam and the final exam with a minimum score of 75 % to pass the course. If the midterm or final exam grade is below the minimum of 75%, you will receive a grade of "D" or "F" in the course as determined by your instructor.

Course Time Commitment

Students will need to read the chapters before attending class, which will allow the course to proceed smoothly. These will require students to read at least 2 hours or more of reading per week, plus 2 to 3 hours to be dedicated to studying, reviewing, and homework for this course. Students are expected to review this canvas course 2 to 3 times a week.

Canvas Participation and Expectations

Students are expected to review this canvas course 2 to 3 times a week. Also, students are required to participate in the class meeting and classroom activities. If you have any questions about the taught material, please contact the instructor or arrange a meeting time with the instructor to discuss the questions.

Participation and Attendance Policy

Participation and Attendance Policy

Because this course builds on your foundation for future employment as a respiratory care practitioner, we expect professional behavior and attendance. The health care field has serious responsibilities and the need for competency.

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.

- Punctual attendance at all scheduled classes and/or events is expected.
- Because of the course content, lab, and clinical experience, attendance is mandatory. All lab/clinical hours must be completed as scheduled. It is the responsibility of the student to notify the instructor regarding class/lab/clinical absence prior to the scheduled class/lab/clinical.

Absences: In the event of an absence, the student must communicate with the instructor before the scheduled class time.

- Two or more absences and/or three tardy/late arrivals will result in counseling with the instructor.
- More than two absences are defined as excessive and will result in a 10% reduction in the final grade.
- In regards to tardiness (>10 min late), the final grade will be reduced by 1% after the second tardiness and for each subsequent tardy.
- Leaving more than 15 minutes early without prior approval by the instructor will result in tardiness.
- Any absences over six may result in dismissal from the class.
- Three NO CALL/NO SHOW absences may result in immediate dismissal from the class.
- Individual instructors may require more stringent attendance requirements. Please read the appropriate course outlines.

Other Classroom Policies and Expectations

Face-to-Face – Students are expected to attend and participate in class regularly. Any student missing more than 10% of the consecutive class time, (For example, in a regular 15-week class that meets twice a week, this equates to the student missing three consecutive classes) without consultation with the instructor may be considered as having abandoned the course.

Online – Students are expected to participate regularly and submit all course assignments, based on the course guide definition. A student who does not submit any assignments during a consecutive 10% of the course (1.5 weeks of a 15 week semester) without consulting the instructor, may be considered as having abandoned the course. Logging in does not meet the attendance standard.

Competency-Based Education Classes – Students are expected to have regular and substantive interactions with their instructor and to actively work on course content. A student who has not submitted coursework, nor had substantive interactions with the instructor over a consecutive 10% of the term, without the instructor's prior approval, will be considered to have abandoned the competency progression. The last date of attendance will be recorded as the last date that coursework was submitted or that the student met with the instructor. For

online learners, logging in does not meet the attendance standard.

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 no texting, viewing Facebook, etc. during class time.

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. 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.

Homework: Homework must be completed to receive credit. No homework = No Credit. Homework that is NOT received on the day it is due will receive a zero. NO EXCEPTIONS!!

Homework will be returned in a timely manner. Quiz/Exams will be returned in a timely manner.

Note: The student must pass the midterm exam and the final exam with a minimum score of 75 % to pass the course. If the midterm or final exam grade is below the minimum of 75%, you will receive a grade of "D" or "F" in the course as determined by your instructor.

Student Responsibilities: It is the student's responsibility to be prepared for each and every class session. Read the assigned chapters! You may be quizzed at the start of each class meeting on the assigned reading. Bring the required textbooks to class every day.

Please come to class prepared and ready to learn. Readiness to learn means that you will come to class with questions and insights and be prepared to discuss the relevance and application of course materials. Read the assigned homework material and complete the assignments before class. This includes being actively engaged in group discussions and group activities.

Instructor Response Times & Regular Interaction Expectations

Please allow up to 24 to 48 hours for response time.

Key Dates to Remember

[Full Academic Calendar](#)

Course Schedule

Mondays and Wednesdays from 1 p.m. to 4 p.m. from January 18, until May 10, 2021

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.