



Basic Respiratory Care Pharmac-17881

RSPT-1213

RT 2022 Section 001 2 Credits 01/18/2022 to 05/15/2022 Modified 01/17/2022

Course Meetings

Course Modality

Lecture

Meeting Days

Tuesdays and Thursdays

Meeting Times

11:00 am - 11:50 am

Meeting Location

Coleman Tower

Welcome and Instructor Information

Respiratory Professor: Mr Ebong Ekwere

Email: ebong.ekwere@hccs.edu

Office: 1900 Pressler St. Ste 386; Office 389, Houston Texas 77030

Phone: 713-718-7383

What's Exciting About This Course

You will learn so much about basic pharmacological principles and practices of respiratory care drugs. There will be emphasis on classification, routes of administration, dosages, drug calculations, and physiological interactions. The information in this course will enable you to acquire the knowledge and learn the necessary skills to administer respiratory drugs safely in the clinical environment.

My Personal Welcome

Welcome to RSPT 1213—I am delighted that you have advanced in the program to this level! I hope to present information in such a way that you will be able to grasp the concepts and apply them whenever needed in the clinical setting.

As the semester starts, you may find the materials and concepts in this course to present a challenge to you. The key is to remain focused, to keep up with the assigned readings, and seeking assistance well in advance.

I am available to support you. The fastest way to reach me is by my HCC email. The best way to address concerns is in person and I am available during posted office hours to tackle the questions. So please visit me or contact me by email whenever you

have a question.

Preferred Method of Contact

Please feel free to contact me via phone or email. I will respond to emails within 24 hours Monday through Friday; I will reply to weekend messages on Monday mornings.

Office Hours

Tuesday, Thursday, 1:00 PM to 3:00 PM

Fridays 11:00 am to 2:00 pm

Course Overview

Course Description

A study of basic pharmacological principles/practices of respiratory care drugs. Emphasis on classification, routes of administration, dosages/calculations, and physiological interaction.

Requisites

RSPT 2258

Corequisite

RSPT 1225

Department Website

<https://www.hccs.edu/programs/areas-of-study/health-sciences/respiratory-therapy/> (<https://www.hccs.edu/programs/areas-of-study/health-sciences/respiratory-therapy/>)

Core Curriculum Objectives (CCOs)

RSPT 1213 satisfies the social science requirement in the HCCS core curriculum.

- **Critical Thinking:** Students will demonstrate the ability to engage in inquiry and analysis, evaluation and synthesis of information, and creative thinking by completing a written assignment such as a book report, research paper, or essay.
- **Communication Skills:** Students will demonstrate effective development, interpretation and expression of ideas through written, oral, and visual communication by completing a written assignment such as a book report, research paper, or essay.
- **Quantitative and Empirical Literacy:** Students will demonstrate the ability to draw conclusions based on the systematic analysis of topics using observation, experiment, and/or numerical skills by completing textbook reading assignments, completing assignments, and answering questions on quizzes and exams that pertain to Course Student Learning Outcome #2 below.
- **Social Responsibility:** Students will demonstrate cultural self-awareness, intercultural competency, civil knowledge, and the ability to engage effectively in regional, national, and global communities by completing textbook reading assignments, completing assignments, and answering questions on quizzes and exams that pertain to Course Student Learning Outcome #4 below.

Student Learning Outcomes and Objectives

Program Student Learning Outcomes (PSLOs)

Can be found at:

<http://learning.hccs.edu/programs/respiratory-therapist> (<http://learning.hccs.edu/programs/respiratory-therapist>)

Course Student Learning Outcomes (CSLOs)

Upon completion of RSPT 2325, the student will be able to:

1. Explain the modes of actions of respiratory drugs

2. Describe the clinical indications, hazards and side effects of the drugs
3. Calculate drug dosages
4. Select optimal drugs used in the practice of respiratory care.

Learning Objectives

Learning Objectives for each CSLO can be found at [Respiratory Program Goals \(http://learning.hccs.edu/programs/respiratory-therapist\)](http://learning.hccs.edu/programs/respiratory-therapist)

☰ Departmental Practices and Procedures

Mentor Sessions

Students are required to meet with their course professor at least two times during the semester. The mentoring sessions are mandatory and will count as 5% of your total course grade.

The mentoring session times are at the discretion of the professor. The session will address any issues the student has in the classroom. The professor will discuss grades and identify areas where the student can improve. The student will be provided an opportunity to express their concerns about test grades, homework and any other areas where they require assistance.

Early Alert

HCC has instituted an Early Alert process by which your professor may “alert” you and counselors that you might fail a class because of excessive absences and/or poor academic performance.

The Houston Community College Early Alert program has been established to assist in the overall effort to retain students who are at risk of failing, withdrawing, or dropping a course. This process requires instructional faculty and student support staff to identify students who are performing poorly as early as possible and provide relevant support services to help students overcome their deficiencies. A student is identified when an instructor notices academic or personal difficulties that affect student’s academic performance. The possible problem (s) could be tardiness, missed/failed test scores, excessive absences, or a number of other circumstances. Once a referral is made counselors will then contact students to discuss the issues and possible solutions to their academic difficulties.

Department Specific Instructor and Student Responsibilities

Instructor and Student Responsibilities

As your Instructor, it is my responsibility to:

- Provide the grading scale and detailed grading formula explaining how student grades are to be derived
- Facilitate an effective learning environment through learner-centered instructional techniques
- Provide a description of any special projects or assignments
- Inform students of policies such as attendance, withdrawal, tardiness, and making up assignments
- Provide the course outline and class calendar that will include a description of any special projects or assignments
- Arrange to meet with individual students before as required

As a student, it is your responsibility to:

- Attend class • Participate actively by reviewing course material, interacting with classmates, and responding promptly in your communication with me
- Read and comprehend the textbook
- Complete the required assignments and exams
- Ask for help when there is a question or problem
- Keep copies of all paperwork, including this syllabus, handouts, and all assignments
- Be aware of and comply with academic honesty policies in the HCCS Student Handbook

Program-Specific Student Success Information

Student Success

Expect to spend at least twice as many hours per week outside of class as you do in class studying the course content. Additional time will be required for written assignments. The assignments provided will help you use your study hours wisely. Successful

completion of this course requires a combination of the following:

- Reading the textbook
- Attending class
- Completing assignments
- Participating in class activities

There is no short cut for success in this course; it requires reading (and probably re-reading) and studying the material using the course objectives as a guide.

Instructional Materials and Resources

Instructional Materials

The [HCC Online Bookstore \(https://hccs.bnccollege.com/shop/hccs-central/page/find-textbooks\)](https://hccs.bnccollege.com/shop/hccs-central/page/find-textbooks) provides searchable information on textbooks for all courses. Check with your instructor before purchasing textbooks because the book might be included in your course fees.

"Integrated Cardiopulmonary Pharmacology" (5th edition) by Bruce J. Colbert and Luis S. Gonzalez III, (BVT Publishing). ISBN: 978-1-5178-0507-4

Temporary Free Access to E-Book

Here is the link to get temporary free access to a digital version of the text for fourteen days:

<< [add link] >>

Other Instructional Resources

Courseware

Content here...

Course Requirements

Assignments, Exams, and Activities

Type	Weight	Topic	Notes
Written Assignment			Describe the assignment here.
Module Exams	70%		Describe the assignment here.
In-Class Activities			Describe the assignment here.
Final Exam	15%		Describe the assignment here.
Extra Credit			Describe the assignment here.
Mentoring Sessions	5%		
Quizzes/Projects	10%		

Grading Formula

Grade	Range	Notes
A	90 - 100	
B	80 - 89	

Grade	Range	Notes
C	75 - 79	**A score of 75 % or greater (C or higher) must be achieved in order to move forward in the program
D	60 - 74	
F	Below 60	

* Instructor's Practices and Procedures

Incomplete Policy

A grade of Incomplete ("I") is not awarded except in cases of documented medical emergency. In all other cases, the instructor reserves the right to decline a student's request to receive a grade of Incomplete.

Missed Assignments/Make-Up Policy

No makeup exams or quizzes are given in this course except in cases of medical emergencies. Proper documentation of such an emergency must be submitted to the instructor for consideration. A makeup exam is not a retake.

Academic Integrity

Students are responsible for conducting themselves with honor and integrity in fulfilling the course requirements. Scholastic Dishonesty includes but is not limited to cheating on a test. Plagiarism, and collusion. Possible consequences may a grade of zero (0) or F on the particular assignment, failure of the entire course, dismissal from the program and/or dismissal from the college system. Scholastic Dishonesty will result in a referral to the Dean of Student Services. See the link below for details.

Here's the link to the HCC information about academic integrity (Scholastic Dishonesty and Violation of Academic Scholastic Dishonesty and Grievance):

<https://www.hccs.edu/studentprocedures> (<https://www.hccs.edu/studentprocedures>)

Attendance Procedures

1. Students are expected to classes regularly and must sign the class roll each class period in order to verify attendance.
2. Student may accumulate a maximum of three (3) absences during the semester. All absences in excess of the maximum are considered unexcused regardless of reason.
3. If a student exceeds the maximum number of allowable (excused) absences, that student will be counseled by the instructor. The instructor may recommend that the student be dropped from the class.
4. It is the student's responsibility to withdraw from the class. Please refer to the student's handbook for more information and the semester's course calendar for the last day to withdraw.

Student Conduct

Both in-person and Canvas online Classroom conduct is expected to be courteous, respectful, and professional. Please respect your student colleagues' participation during class. When another student is presenting, encourage him/her by actively listening and participating. You are also responsible for adhering to the Code of Student Conduct outlined in the HCC Student Handbook as well as the Respiratory Therapy Program Handbook. Students violating this policy may be asked to leave the class period in which it occurs and report to the Department Chair and/or Dean of Student Services. Re-entry to class will be permitted only after counseling with the instructor; department head and others may be involved where appropriate.

Diversity has many manifestations including diversity of thought, opinion and values. I encourage all students to be respectful of that diversity and to refrain from inappropriate commentary. Should such inappropriate comments occur, I will intervene and request that inappropriate content be removed from the Course Room. In some cases there may be academic disciplinary action. Students should be guided by common sense and basic etiquette. Never post, transmit, promote, or distribute content that is known to be illegal. If you disagree with someone, respond to the subject, not the person. Avoid overtly harassing, threatening, or embarrassing fellow learners. If you disagree with someone, respond to the subject, not the person. Refrain from transmitting or

distributing content that is harmful, abusive, racially or ethnically offensive, vulgar, sexually explicit, or otherwise. Class/section norms of conduct may vary, but there is no place where hate speech is tolerated. Never post harassing, racist, threatening, or embarrassing comments. In summary - Be civil, polite, and professional.

Devices

The use of recording devices, including camera phones and tape recorders, is prohibited in the classroom, laboratories, faculty offices and other locations where instruction, tutoring or testing occurs. Insert a specific description of your expectations regarding electronic devices.

Instructor's Course-Specific Information

Faculty Statement about Student Success

Expect to spend at least twice as many hours per week outside of class as you do in class studying the course content. Additional time will be required for written assignments. The assignments provided will help you use your study hours wisely. Successful completion of this course requires a combination of the following:

- Reading the textbook
- Attending class in person and/or online
- Completing assignments
- Participating in class activities

There is no short cut for success in this course; it requires reading (and probably re-reading) and studying the material using the course objectives as a guide.

Faculty-Specific Information Regarding Canvas

This course section will use Canvas (<https://eagleonline.hccs.edu> (<https://eagleonline.hccs.edu>)) to supplement in-class assignments, exams, and activities.

HCCS Open Lab locations may be used to access the Internet and Canvas. For best performance, Canvas should be used on the current or first previous major release of Chrome, Firefox, Edge, or Safari. Because it's built using web standards, Canvas runs on Windows, Mac, Linux, iOS, Android, or any other device with a modern web browser.

Canvas only requires an operating system that can run the latest compatible web browsers. Your computer operating system should be kept up to date with the latest recommended security updates and upgrades.

Social Justice Statement

Houston Community College is committed to furthering the cause of social justice in our community and beyond. HCC does not discriminate on the basis of race, color, religion, sex, gender identity and expression, national origin, age, disability, sexual orientation, or veteran status. I fully support that commitment and, as such, will work to maintain a positive learning environment based upon open communication, mutual respect, and non-discrimination. In this course, we share in the creation and maintenance of a positive and safe learning environment. Part of this process includes acknowledging and embracing the differences among us in order to establish and reinforce that each one of us matters. I appreciate your suggestions about how to best maintain this environment of respect. If you experience any type of discrimination, please contact me and/or the Office of Institutional Equity at 713-718-8271.

HCC Policies and Information

Link to Policies in Catalog and Student Handbook

Here's the link to the HCC Catalog and Student Handbook: <https://catalog.hccs.edu/> (<https://catalog.hccs.edu/>)

In it you will find information about the following:

- Academic Information
- Academic Support
- Attendance, Repeating Courses, and Withdrawal

- Career Planning and Job Search
- Childcare
- disAbility Support Services
- Electronic Devices
- Equal Educational Opportunity
- Financial Aid TV (FATV)
- General Student Complaints
- Grade of FX
- Incomplete Grades
- International Student Services
- Health Awareness
- Libraries/Bookstore
- Police Services & Campus Safety
- Student Life at HCC
- Student Rights and Responsibilities
- Student Services
- Testing
- Transfer Planning
- Veteran Services

Link to HCC Academic Integrity Statement

<https://www.hccs.edu/student-conduct> (<https://www.hccs.edu/student-conduct>) (scroll down to subsections)

Campus Carry Link

Here's the link to the HCC information about Campus Carry:

<https://www.hccs.edu/campuscarry> (<https://www.hccs.edu/campuscarry>)

HCC Email Policy

When communicating via email, HCC requires students to communicate only through the HCC email system to protect your privacy. If you have not activated your HCC student email account, you can go to [HCC Eagle ID \(https://www.hccs.edu/email\)](https://www.hccs.edu/email) and activate it now. You may also use Canvas Inbox to communicate.

Office of Institutional Equity

Use the following link to access the HCC Office of Institutional Equity, Inclusion, and Engagement: <https://www.hccs.edu/eeo> (<https://www.hccs.edu/eeo>)

Ability Services

HCC strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including long and short term conditions, mental health, chronic or temporary medical conditions), please meet with a campus Abilities Counselor as soon as possible in order to establish reasonable accommodations. Reasonable accommodations are established through an interactive process between you, your instructor(s) and Ability Services. It is the policy and practice of HCC to create inclusive and accessible learning environments consistent with federal and state law. For more information, please go to <https://www.hccs.edu/accessibility> (<https://www.hccs.edu/accessibility>)

Title IX

Houston Community College is committed to cultivating an environment free from inappropriate conduct of a sexual or gender-based nature including sex discrimination, sexual assault, sexual harassment, and sexual violence. Sex discrimination includes all forms of sexual and gender-based misconduct and violates an individual's fundamental rights and personal dignity. Title IX prohibits discrimination on the basis of sex-including pregnancy and parental status in educational programs and activities. If you require an accommodation due to pregnancy please contact an Abilities Services Counselor. The Director of

EEO/Compliance is designated as the Title IX Coordinator and Section 504 Coordinator. All inquiries concerning HCC policies, compliance with applicable laws, statutes, and regulations (such as Title VI, Title IX, and Section 504), and complaints may be directed to:

David Cross
Director EEO/Compliance
Office of Institutional Equity & Diversity
3100 Main
(713) 718-8271
Houston, TX 77266-7517 or Institutional.Equity@hccs.edu (<mailto:Institutional.Equity@hccs.edu>)

<https://www.hccs.edu/titleix> (<https://www.hccs.edu/titleix>)

Office of the Dean of Students

Contact the office of the Dean of Students to seek assistance in determining the correct complaint procedure to follow or to identify the appropriate academic dean or supervisor for informal resolution of complaints.

<https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-complaints/speak-with-the-dean-of-students/> (<https://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-complaints/speak-with-the-dean-of-students/>)

Student Success

Expect to spend at least twice as many hours per week outside of class as you do in class studying the course content. Additional time will be required for written assignments. The assignments provided will help you use your study hours wisely. Successful completion of this course requires a combination of the following:

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Canvas Learning Management System

Canvas is HCC's Learning Management System (LMS), and can be accessed at the following URL:

<https://eagleonline.hccs.edu> (<https://eagleonline.hccs.edu>)

HCCS Open Lab locations may be used to access the Internet and Canvas. For best performance, Canvas should be used on the current or first previous major release of Chrome, Firefox, Edge, or Safari. Because it's built using web standards, Canvas runs on Windows, Mac, Linux, iOS, Android, or any other device with a modern web browser.

Canvas only requires an operating system that can run the latest compatible web browsers. Your computer operating system should be kept up to date with the latest recommended security updates and upgrades.

HCC Online Information and Policies

Here is the link to information about HCC Online classes, which includes access to the required Online Information Class Preview for all fully online classes: <https://www.hccs.edu/online/> (<https://www.hccs.edu/online/>)

Scoring Rubrics, Sample Assignments, etc.

Look in Canvas for the scoring rubrics for assignments, samples of class assignments, and other information to assist you in the course. <https://eagleonline.hccs.edu/> (<https://eagleonline.hccs.edu/>)

Instructor and Student Responsibilities

As your Instructor, it is my responsibility to:

- Provide the grading scale and detailed grading formula explaining how student grades are to be derived
- Facilitate an effective learning environment through learner-centered instructional techniques
- Provide a description of any special projects or assignments
- Inform students of policies such as attendance, withdrawal, tardiness, and making up assignments
- Provide the course outline and class calendar that will include a description of any special projects or assignments
- Arrange to meet with individual students during office hours, and before and after class as required

As a student, it is your responsibility to:

- Attend class in person and/or online
- Participate actively by reviewing course material, interacting with classmates, and responding promptly in your communication with me
- Read and comprehend the textbook
- Complete the required assignments and exams
- Ask for help when there is a question or problem
- Keep copies of all paperwork, including this syllabus, handouts, and all assignments
- Be aware of and comply with academic honesty policies in the [HCCS Student Handbook](https://www.hccs.edu/studenthandbook) (<https://www.hccs.edu/studenthandbook>)

Sensitive or Mature Course Content

In this college-level course, we may occasionally discuss sensitive or mature content. All members of the classroom environment, from your instructor to your fellow students, are expected to handle potentially controversial subjects with respect and consideration for one another's varied experiences and values.

EGLS3

The EGLS³ ([Evaluation for Greater Learning Student Survey System \(https://www.hccs.edu/egls3\)](https://www.hccs.edu/egls3)) will be available for most courses near the end of the term until finals start. This brief survey will give invaluable information to your faculty about their teaching. Results are anonymous and will be available to faculty and division chairs after the end of the term. EGLS³ surveys are only available for the Fall and Spring semesters. -EGLS3 surveys are not offered during the Summer semester due to logistical constraints.

<https://www.hccs.edu/egls3> (<https://www.hccs.edu/egls3>)

Housing and Food Assistance for Students

Any student who faces challenges securing their foods or housing and believes this may affect their performance in the course is urged to contact the Dean of Students at their college for support. Furthermore, please notify the professor if you are comfortable in doing so.

This will enable HCC to provide any resources that HCC may possess.

Student Resources

Tutoring

HCC provides free, confidential, and convenient academic support, including writing critiques, to HCC students in an online environment and on campus. Tutoring is provided by HCC personnel in order to ensure that it is contextual and appropriate. Visit the [HCC Tutoring Services \(https://www.hccs.edu/tutoring\)](https://www.hccs.edu/tutoring) website for services provided.

Libraries

The HCC Library System consists of 9 libraries and 6 Electronic Resource Centers (ERCs) that are inviting places to study and collaborate on projects. Librarians are available both at the libraries and online to show you how to locate and use the resources you need. The libraries maintain a large selection of electronic resources as well as collections of books, magazines, newspapers, and audiovisual materials. The portal to all libraries' resources and services is the HCCS library web page at <https://library.hccs.edu> (<https://library.hccs.edu/>).

Supplementary Instruction

Supplemental Instruction is an academic enrichment and support program that uses peer-assisted study sessions to improve student retention and success in historically difficult courses. Peer Support is provided by students who have already succeeded in completion of the specified course, and who earned a grade of A or B. Find details at <https://www.hccs.edu/supplemental-instruction> (<https://www.hccs.edu/supplemental-instruction>)

Resources for Students:

<https://www.hccs.edu/covid19students> (<https://www.hccs.edu/covid19students>)

Basic Needs Resources:

<https://www.hccs.edu/support-services/counseling/hcc-cares/basic-needs-resources/> (<https://www.hccs.edu/support-services/counseling/hcc-cares/basic-needs-resources/>)

Student Basic Needs Application:

<https://www.hccs.edu/basicneeds> (<https://www.hccs.edu/basicneeds>)

COVID-19

Here's the link to the HCC information about COVID-19:

<https://www.hccs.edu/covid-19> (<https://www.hccs.edu/covid-19>)

Instructional Modalities

In-Person (P)

Safe, face-to-face course with scheduled dates and times

Online on a Schedule (WS)

Fully online course with virtual meetings at scheduled dates and times

Online Anytime (WW)

Traditional online course without scheduled meetings

Hybrid (H)

Course that meets safely 50% face-to-face and 50% virtually

Hybrid Lab (HL)

Lab class that meets safely 50% face-to-face and 50% virtually

Copyright Statement

In order to uphold the integrity of the academic environment and protect and foster a cohesive learning environment for all, HCC prohibits unauthorized use of course materials. Materials shared in this course are based on my professional knowledge and experience and are presented in an educational context for the students in the course. Authorized use of course materials is limited to personal study or educational uses. Material should not be shared, distributed, or sold outside the course without permission. Students are also explicitly forbidden in all circumstances from plagiarizing or appropriating course materials. This includes but is not limited to publically posting quizzes, essays, or other materials. This prohibition extends not only during this course, but after. Sharing of the materials in any context will be a violation of the HCC Student Code of Conduct and may subject the student to discipline, as well as any applicable civil or criminal liability. Consequences for unauthorized sharing, plagiarizing, or other methods of academic dishonesty may range from a 0 on the specified assignment and/or up to expulsion from Houston Community College. Questions about this policy may be directed to me or to the Manager of Student Conduct and Academic Integrity.

Syllabus Modifications

The instructor reserves the right to modify the syllabus at any time during the semester and will promptly notify students in writing, typically by e-mail, of any such changes.

Week	Dates	Topic / Reading Assignments
1		Syllabus Chapter 1-General Pharmacologic Principles
2		Chapter 2-The Metric System and Drug Dosage Calculations
3	2/1	Exam 1 Chapter 3-Pharmacology of the Autonomic Nervous System
4		Chapter 4-Medicated Aerosol Treatments
5	2/15	Exam 2 Chapter 5-Bronchodilators
6		Chapter 6-Mucokinetics and Surfactants
7	3/1	Exam 3 Chapter 7-Anti-Inflammatory and Antiasthmatic Agents
8		Chapter 8-Antimicrobial Agents
9	3/22	Exam 4 Chapter 9-Cardiac Agents
10		Chapter 10-Blood Pressure and Antithrombotic Agents
11	4/5	Last Day to Withdraw: Monday April 4, 2022 Exam 5 Chapter 11-Neuromuscular, Sedative, Anesthetic and Analgesic Agents

Week	Dates	Topic / Reading Assignments
12		Chapter 12-Therapeutic Medical Gases
13	4/19	Exam 6 Chapter 13-Pharmacologic Management of Obstructive Pulmonary Disease, Asthma, Chronic Bronchitis, and Emphysema
14	5/3	Chapter 14-Pharmacologic Treatment of Respiratory Infectious Disease Exam 7
15		Chapter 15-Medications for Emergency Cardiac Life Support Final Exam Review
16		Final Exam TBA

Additional Information

Departmental/Program Information

Add Content Here

Process for Expressing Concerns about the Course

If you have concerns about any aspect of this course, please reach out to your instructor for assistance first. If your instructor is not able to assist you, then you may wish to contact the Program Director.

Mr. Teodoro "Teddy" Tovar, Jr., MA, RRT, RRT-NPS, RCP

Houston Community College: John B. Coleman, M.D. College for Health Sciences Center of Excellence

1900 Pressler St., Suite 386; Office 381

Houston, TX, 77030

O: 713-718-7385

E: teodoro.tovar@hccs.edu