



**Division of Health Science  
Respiratory Therapy Program**

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

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**RSPT 1213: Basic Respiratory Care Pharmacology | Lecture |  
#15558**

Spring 2020 | 16 Weeks (1.26.2020-5.17.2020)  
In-Person | Coleman Tower 307 | T TH (11a.m.-10:50a.m.)  
2 Credit Hours | 32 hours per semester

**Instructor Contact Information**

Instructor:	Ebong Ekwere, MBA, RRT	Office Phone:	713-718-7383
Office:	Coleman, Suite 386; Office 379	Office Hours:	T/TH 1:00-3:00 p.m.
HCC Email:	<a href="mailto:ebong.ekwere@hccs.edu">ebong.ekwere@hccs.edu</a>	Office Location:	Coleman College

Please feel free to contact me concerning any problems that you are experiencing in this course. Your performance in my class is very important to me. I am available to hear the concerns and just to discuss course topics.

**Instructor's 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.

**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.

### **Prerequisites and/or Co-Requisites**

Prerequisite: RSPT 2260

Co-requisite: RSPT 2266

\*\*Please, carefully read and consider the repeater policy in the [HCCS Student Handbook](#).

### **Canvas Learning Management System**

This section of RSPT 1213 will utilize LMS Canvas (<https://eagleonline.hccs.edu>) to supplement class assignments, and exams.

HCC Open Lab locations may be used to access the internet and Canvas. **USE [FIREFOX](#) OR [CHROME](#) AS THE INTERNET BROWSER**

### **HCC Online Information and Policies**

Here is the link to information about HCC Online classes including the required Online Orientation for all fully online classes: <http://www.hccs.edu/online/>

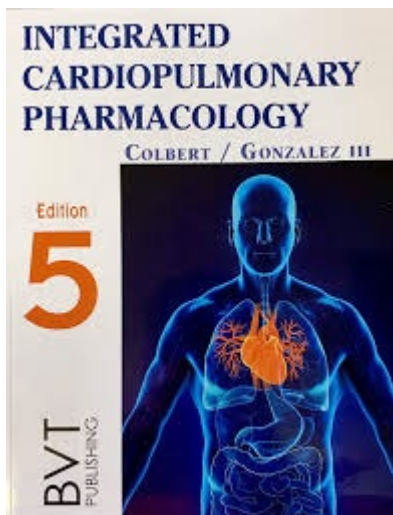
### **Scoring Rubrics, Sample Assignments, etc.**

Look in the course syllabus for the scoring rubrics for assignments, samples of class assignments, and other information to assist you in the course.

## Instructional Materials

### Textbook Information

The textbook listed below is **required** for this course.



**"Integrated Cardiopulmonary Pharmacology"** (5<sup>th</sup> edition) by Bruce J. Colbert and Luis S. Gonzalez III, (BVT Publishing). ISBN: 978-1-51781-0507-4

The book is included in a package that contains the text as well as an access code and are found at the [HCC Bookstore](#). You may either use a hard copy of the book, or rent the e-book from Pearson. Order your book here: [HCC Bookstore](#)

### Other Instructional 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](#) 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 <http://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 <http://www.hccs.edu/resources-for/current-students/supplemental-instruction/>.

## Course Overview

RSPT 1213 is a study of basic pharmacology principles/practices of respiratory care drugs. There will be emphasis on classification of respiratory drugs, the routes of administration, calculation of drug dosages and physiological interaction.

### 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.

### Program Student Learning Outcomes (PSLOs)

Can be found at:

<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](#)

## **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.

### **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 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
- Attain a raw score of at least 50% on the final exam
- Be aware of and comply with academic honesty policies in the HCCS Student Handbook

## **Assignments, Exams, and Activities**

### **Written Assignment**

Written assignment will be given in class and will be graded as a quiz. (See Grading Formula below).

### **Exams**

All module exams will be multiple choice questions and the total average of module exam will count as 70% towards your final course grade. All module exams shall be on Canvas and scheduled in the computer lab unless otherwise stipulated. Please refer to the course calendar for dates.

### **In-Class Activities**

Several quizzes will be given during class but there is no schedule for the quizzes. Students absent on the day of the quiz will receive a grade of zero (0). There are no make-ups for missed quizzes neither will time be extended for a student who comes late.

### **Final Exam**

All students will be required to take a comprehensive final exam consisting of multiple-choice questions and possibly an essay discussion. The information students need to prepare for the exam will be covered during the final in-class review

Students who are absent from the final must discuss their absence with the instructor in advance or within 24 hours afterward. Failure to do so will result in the student receiving a grade of zero (0).

### **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.

## Grading Formula

The following grading point system is offered:

Module Exams	70%
Quizzes/projects	10%
Mentoring Sessions	5%
Final Exam	15%

The Respiratory Therapy Program strongly recommends the following letter-grading system:

Grade	Total Points
A	90-100
B	80-89
C	75-79
D	60-74
F	<60

\*Note: Number grades are not rounded up or down for the final grade computation.

The Respiratory Therapy program does not advance students with a grade of D or F.

**\*\*A score greater than 75 % (C or higher) must be achieved in order to move forward in the program.**

### **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.

**HCC Grading Scale can be found on this site under Academic Information:**  
<http://www.hccs.edu/resources-for/current-students/student-handbook/>



## Course Calendar

Week	Dates	Topic / Reading Assignments
1		Syllabus Chapter 1-General Pharmacologic Principles
2		Chapter 2-The Metric System and Drug Dosage Calculations
3	<b>2/4</b>	<b>Exam 1</b> Chapter 3-Pharmacology of the Autonomic Nervous System
4		Chapter 4-Medicated Aerosol Treatments
5	<b>2/18</b>	<b>Exam 2</b> Chapter 5-Bronchodilators
6		Chapter 6-Mucokinetics and Surfactants
7	<b>3/3</b>	<b>Exam 3</b> Chapter 7-Anti-Inflammatory and Antiasthmatic Agents
8		Chapter 8-Antimicrobial Agents
9	<b>3/24</b>	<b>Exam 4</b> Chapter 9-Cardiac Agents
10		Chapter 10-Blood Pressure and Antithrombotic Agents
11	<b>4/7</b>	<b>Last Day to Withdraw: Monday April 6, 2020</b> <b>Exam 5</b> Chapter 11-Neuromuscular, Sedative, Anesthetic and Analgesic Agents
12		Chapter 12-Therapeutic Medical Gases
13	<b>4/21</b>	<b>Exam 6</b> Chapter 13-Pharmacologic Management of Obstructive Pulmonary Disease: Asthma, Chronic Bronchitis, and Emphysema
14	<b>4/30</b>	Chapter 14-Pharmacologic Treatment of Respiratory Infectious Disease <b>Exam 7</b>
15		Chapter 15-Medications for Emergency Cardiac Life Support Final Exam Review
16		<b>Final Exam TBA</b>

## **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.

## **Instructor's Practices and Procedures**

### **Missed Assignments**

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):

<http://www.hccs.edu/about-hcc/procedures/student-rights-policies--procedures/student-procedures/>

### **Attendance Procedures**

- A. Students are expected to classes regularly and must sign the class roll each class period in order to verify attendance.
- B. 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.
- C. 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.
- D. 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.

### **Mentoring Sessions**

Students are required to meet with their course professor at least three times during the semester. One session for each instructor. 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 that the student can improve. The student should express their concerns about test grades, homework and any other areas where they require assistance. The mentoring sessions are mandatory and will count as 5% of your final grade.

### **Electronic 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.

## **Respiratory Program Information**

Students are encouraged to schedule tutoring with instructors in classes they are having difficulty with. The following websites and national Respiratory entities listed below can be used as valuable entities listed below can be used as valuable resources:

- [www.TSRC.org](http://www.TSRC.org)
- [www.AARC.org](http://www.AARC.org)
- [www.NBRC.org](http://www.NBRC.org)

## **HCC Policies**

Here's the link to the HCC Student Handbook <http://www.hccs.edu/resources-for/current-students/student-handbook/> 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

### **EGLS<sup>3</sup>**

The EGLS<sup>3</sup> ([Evaluation for Greater Learning Student Survey System](#)) 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. EGLS<sup>3</sup> surveys are only available for the Fall and Spring semesters. -EGLS3 surveys are not offered during the Summer semester due to logistical constraints.

<http://www.hccs.edu/resources-for/current-students/egls3-evaluate-your-professors/>

### **Campus Carry Link**

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

<http://www.hccs.edu/departments/police/campus-carry/>

### **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](#) and activate it now. You may also use Canvas Inbox to communicate.

### **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.

## **Office of Institutional Equity**

Use the link below to access the HCC Office of Institutional Equity, Inclusion, and Engagement (<http://www.hccs.edu/departments/institutional-equity/>)

### **disAbility 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 <http://www.hccs.edu/support-services/disability-services/>

### **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)  
<http://www.hccs.edu/departments/institutional-equity/title-ix-know-your-rights/>

### **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/>

### **Department Chair Contact Information**

Teodoro Tovar, MA, RRT-NPS  
 E: [teodoro.tovar@hccs.edu](mailto:teodoro.tovar@hccs.edu)  
 O: 713-718-7385  
 F: 713-718-7136