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### AHRC 133.50: Respiratory Care Pharmacology

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# Syllabus

## AHRC 133 Respiratory Care Pharmacology (Sect: 50, 32426, Spring 2016)

**Instructor:**

Mary McHugh, Pharm.D., R.Ph.

**Contact Info:**

mary.mchugh@umontana.edu

Required Textbook: Rau's Respiratory Care Pharmacology 9th edition

ISBN: 9780323299688, Copyright: 2016

Also available as an eBook:

<https://evolve.elsevier.com/cs/product/9780323299718?role=student>

This is an online course with emphasis on the medications you will be administering to patients and medications you will see used for critical care patients. Some memorization is required, which can be challenging to assess in online testing; there will be some timed tests, and if needed, in-class tests. For timed tests, be sure to use a computer with good internet connections at a time and place where you will not be interrupted. As questions arise over the material in general, it is best to discuss in Moodle forums, so that I can help out with the answers if needed.

This course is in "Lesson" format, where you will be expected to:

- Review the **Learning Goals** in each Moodle lesson
- Read the **Lesson Notes** added in Moodle to augment the text information
- Read the associated chapter in the text book
- Use the **Self-Assessment Exercises** at the end of each chapter
- **THEN** proceed to the Lesson Quiz (most are 10-20 questions)
  - You must answer the question correctly to proceed to the next question (for multiple choice and T/F)
    - You will be prompted to keep trying if you do not answer correctly unless it is a question that must be individually scored such as short answer or essay
  - Your score is based upon the average of your attempts, so if you get it right on the first attempt you receive the full points

This is the first session of this online course, so your feedback is much appreciated regarding all aspects: misspellings, lessons that don't work the way they should, or any other topic you would like me to know about.

**GRADING SCALE:**

**Weighting of Grades:**

<b>A</b>	<b>90-100</b>		<b>Lesson Questions</b>	<b>30%</b>
<b>B</b>	<b>80-89</b>		<b>Discussions</b>	<b>5%</b>
<b>C</b>	<b>70-79</b>		<b>Assignments</b>	<b>5%</b>
<b>D</b>	<b>60-69</b>		<b>Unit Tests</b>	<b>30%</b>
<b>F</b>	<b>0-59</b>		<b>Final Exam</b>	<b>30%</b>

Students in Respiratory Care program must have a “B-“final grade in order to progress within the program. Test questions will be based on the learning objectives posted in each Moodle lesson. Learning objectives are to be used as study guides.

**Academic Integrity:** All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by The University. All students need to be familiar with the Student Conduct Code. The Code is available for review online at [http://www.umt.edu/vpsa/policies/student\\_conduct.php](http://www.umt.edu/vpsa/policies/student_conduct.php)

**Disabilities:** Students with disabilities may request reasonable modifications by contacting me. The University of Montana assures equal access to instruction through collaboration between students with disabilities, instructors, and Disability Services for Students (DSS). “Reasonable” means the University permits no fundamental alterations of academic standards or retroactive modifications. Therefore, Eligible students with disabilities must request appropriate accommodations in this course in a timely way. Please speak with me after class or in my office. Please be prepared to provide a letter from your DSS Coordinator. For more information, visit the Disabilities Services website at <http://www.umt.edu/dss/> or call 406-243-2243 (voice/text) Note: Instructor reserves the right to modify syllabi and assignments as needed based on faculty, student, and/or environmental circumstances.

#### **IT and Moodle Resources:**

UMOnline Technical Support: 406.243.4999 or 866.225.1641 (toll-free) or [umonline-help@umontana.edu](mailto:umonline-help@umontana.edu)

General IT help: <http://www.umt.edu/it/default.php>

General Moodle help: <http://umonline.umt.edu/default.php>

#### **Schedule of Topics:**

- Week 1-Basic Pharmacology
- Week 2-Inhalation Therapy/Calculations
- Week 3-Adrenergic/Anticholinergic Bronchodilators
- Week 4-Xanthines/Mucus Meds
- Week 5-Surfactants
- Week 6-Steroids/Non-steroid Meds
- Week 7-Anti-infectives/Antimicrobials
- Week 8-Cough/Cold/Misc
- Week 9-Infants/Children
- Week 10-Muscle Relaxers/CNS Drugs
- Week 11-Diuretics
- Week 12- Vasopressors, Inotropes, and Antiarrhythmic Agents
- Week 13- Drugs Affecting Circulation
- Week 14-Sleep
- Week 15-Review
- Week 16-Final