

**RET 1450C-CRN# 30104**  
**Basic Physiologic Monitoring**  
**Syllabus**

**Instructor:** Name: Jamy Chulak M.S. RRT  
Office: AHS-235  
Phone: 407-582-5477  
Email: [jchulak@valenciacollege.edu](mailto:jchulak@valenciacollege.edu)

**Location:**

AHS Building Room 226  
Wednesday  
10:00-12:00  
(lunch break)  
1:00-4:00

**Office Hours:**

Location	DAY	FROM (am/pm)	TO (am/pm)
AHS-235 and AHS-226	Monday	8:00 AM	11:00 AM
AHS-235 and AHS-226	Tuesday	8:00 AM	11:00 AM
AHS-235 and AHS-226	Wednesday	8:00 AM	9:00 AM
AHS-235 and AHS-226	Thursday	8:00 AM	9:00 AM
Virtual/email/phone	Friday	8:00 AM	9:00 AM

**Important Date:**

Term (Start and End Dates)	May 9 <sup>th</sup> to August 2 <sup>nd</sup> 2016
Withdrawal for "W" Grade	July 8 <sup>th</sup> 2016
Classes Do Not Meet	May 30 <sup>th</sup> and July 4 <sup>th</sup> 2016
Final Examination	August 2 <sup>nd</sup> 2016

**Course Description:**

Emphasis on basic diagnostic and monitoring principles used in determining clinical evaluation of patients. Cardiopulmonary assessment using electrocardiography, chest roentgenography and lab test. (Special Fee: \$32.00)

**Textbooks:**

*Respiratory Care: Principles and Practice 3rd Edition*

Dean Hess. ISBN: 9781284050004 (sold only in the bookstore)

*Clinical Assessment of Respiratory Care 6<sup>th</sup> Edition*

Wilkins. ISBN: 978-1-4160-5923-3

**Overall Course objectives/Outcomes:**

The student will be able to evaluate and treat patients with cardiopulmonary illness. This includes the identification and treatment of obstructive vs. restrictive diseases, cardiopulmonary dysfunction, hemodynamics within chest medicine.

**BlackBoard:**

This course is web-enhanced. The student will be required to complete assignments, quizzes and participate in discussion topics online. Any problems or questions must be communicated to the instructor in a timely manner through blackboard. Emergencies may be communicated through faculty office email.

**Course Disclaimer:**

These course requirements may be changed with notification, as deemed necessary by the instructor due to unforeseen circumstances.

**Valencia College Core Competencies:**

The Valencia Student Core Competencies (Think, Value, Act and Communicate) are an established component of the College's curriculum development and review process. A detailed overview can be found in the current Valencia catalogue or the Valencia Website: <http://valenciacollege.edu/competencies/>. Developing these core competencies will be enhanced through critical thinking exercises, classroom discussions, and reasoned choices made by acquiring, analyzing, synthesizing, and evaluating knowledge. You will also need to read, listen, write and speak effectively.

**Mobile Devices:**

Refrain from bringing mobile devices to class. All mobile devices must be turned off during class to ensure an optimal learning environment. No use of these devices will be tolerated during class. The use of such devices during class will result in a reduction in class participation points.

**Students with Disabilities:**

Students with disabilities who qualify for academic accommodations must provide a letter from the Office for Students with Disabilities and discuss specific needs with the professor, preferably during the first two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities. (West Campus SSB room 102, 407-582-1523)

**Academic Honesty:**

Students are expected to be in complete compliance with Valencia College policy on academic honesty. This policy is written in the Valencia College Catalog and Student Handbook. Academic honesty, in terms of documentation, means that you have not stolen another's ideas and misrepresented them as your own; you have given credit where credit is due. As in most areas of life, let common sense and common courtesy rule and help keep you from inadvertently committing an act of plagiarism.

**Atlas:**

Students will need to check their Atlas account daily for email, helpful hints and updated information. <https://atlas.valenciacollege.edu/>

**Blackboard:**

This course is web-enhanced. The student will be required to complete assignments, quizzes and participate in discussion topics online. Any problems or questions must be communicated to the instructor in a timely manner. <https://online.valenciacollege.edu/>

**Course Disclaimer:**

These course requirements may be changed with notification, as deemed necessary by the instructor due to unforeseen circumstances.

**Withdrawal Policy:**

Per Valencia Policy 4-07 (Academic Progress, Course Attendance and Grades, and Withdrawals), a student who withdraws from class before the established deadline for a particular term will receive a grade of "W." A student is not permitted to withdraw after the withdrawal deadline. A faculty member MAY withdraw a student up to the beginning of the final exam period for violation of the class attendance policy. A student who is withdrawn by faculty for violation of the class attendance policy will receive a grade of "W." Any student who withdraws or is withdrawn from a class during a third or subsequent attempt in the same course will be assigned a grade of "F." For a complete policy and procedure overview on Valencia Policy 4-07 please go to: <http://valenciacollege.edu/generalcounsel/policydetail.cfm?RecordID=75>.

### **Overall Course objectives/Outcomes:**

1. The emphasis in this course is on basic diagnostic and monitoring principles used to evaluate pediatric, adult and geriatric patients

2. This course will also introduce students to skills required to become competent practitioners.

3. This course will prepare students for entry into clinical practice. These activities include, but are not limited to: clinical skills check-offs, and oral and written testing.

A. Review the basic techniques needed in cardiopulmonary examination.

Demonstrate patient communication skills at the level necessary for effective communication, patient care and assessment.

Conduct a basic patient interview.

Identify and discuss the common symptoms associated with cardiopulmonary disease.

Review the concept of universal precautions and clinical safety.

Apply clinical findings to appropriate clinical interventions.

Appropriately chart and document clinical data.

Apply assessment to special cases: pediatric and geriatric patients.

B. Discuss the principles associated with physiologic monitoring and physical assessment in the following areas:

1. Physical assessment: Vital signs, Inspection, Palpation, Percussion, and Auscultation.
2. Non-invasive cardiopulmonary monitoring and assessment and clinical responses to hypoxemia and acidosis.(ABG, TcM, ETCO<sub>2</sub>, O<sub>2</sub> analyzers and pulse oximetry)
3. Critical Care Monitoring techniques
4. Nutritional Assessment

C. Utilize data from the clinical laboratory

1. Hematology and chemistry
2. Blood Gas Analysis

### **Grading Considerations:**

One letter-grade reduction towards final grade for more than two absences

All late assignments will result in an automatic grade reduction of 10%.

No assignment or test will be accepted after one week past the due date.

Assignments may be placed in the instructor's mailbox in building 2-208 and stamped indicating date submitted for credit.

Quizzes and may NOT be made up beyond the due date.

## **Grade Breakdown**

### **5%- Attendance**

Attendance is essential to success in this course. Absences or failure to do the assigned reading will result in difficulty mastering the material. It will be assumed by the instructor that all assigned material has been read prior to scheduled class time. Excessive absences may result in withdrawal from the course and is defined in the student handbook as greater than two absences within a semester.

### **5%- Participation**

Participation is essential to learning. A direct correlation to your learning outcome(s) rely upon active engagement in and out of the classroom.

### **10%- Quiz:**

Quizzes will be made available each week through your Jones & Bartlett account.

### **50%- Examinations: (will be averaged towards final grade)**

Formats may be multiple choice, short answer or essay. Content will include assigned reading material, handouts and/or lecture material.

Calculators may be used. No scientific calculators or those capable of storing formulas can be used

### **Mid-Term Exam worth 15%**

This is a cumulative exam. Format may be multiple choice, short answer or essay. See Valencia catalogue for dates and times.

### **Final Exam worth 15%**

This is a cumulative exam. Format may be multiple choice, short answer or essay. See Valencia catalogue for dates and times.

## **Grading Scale**

A= 90-100

B= 83-89

C= 75-82

D= 70-74

F= Less than 70%

Note: A minimum grade of "C" is required to be considered for participation in RET 1874L Clinical Practice I.

**Course Itinerary:**

Week 1	Preparing for the Patient Encounter - J&B <u>Module 1 Activities &amp; Quiz</u> <i>History and Physical Exam</i>
Week 2	The Medical History - J&B <u>Module 29 Activities &amp; Quiz</u> <i>Medical Information</i>
Week 3	Cardiopulmonary Symptoms - J&B <u>Module 5 Activities &amp; Quiz</u> <i>Respiratory Monitoring</i>
Week 4	Vital Signs - J&B <u>Module 7 Activities &amp; Quiz</u> <i>Cardiac Assessment</i>
Week 5	Fundamentals of Physical Examination
Week 6	Neurologic Assessment
Week 7	Mid-Term Examination
Week 8	Clinical Laboratory Studies - J&B <u>Module 8 Activities &amp; Quiz</u> <i>Blood Chemistry and Hematology</i>
Week 9	Interpreting of Arterial Blood Gases
Week 10	Respiratory Monitoring in Critical Care - J&B <u>Module 22 Activities &amp; Quiz</u> <i>Mechanical Ventilation</i>
Week 11	Nutritional Assessment of Patients with Respiratory Disease - J&B <u>Module 13 Activities &amp; Quiz</u> <i>Nutritional Assessment</i>
Week 12	Final Examination