

**UNIVERSITY OF THE INCARNATE WORD**  
**Extended Academic Programs – School of Online Learning**  
**HSCI 3305 – Basic Cardiac Rhythm Interpretation**  
**Syllabus & Course Outline – Fall I 2016**

**I. Instructor:**

[Name, credentials]  
[Title/Position]  
[Office:Bldg & Rm #]  
Office Hours: By appointment

Class Location: <https://blackboard.uiwtx.edu/>  
email: see course website  
Phone: see course website

**II. Catalog Description:** Basic Cardiac Rhythm Interpretation is designed to enable students to interpret basic cardiac rhythms in healthcare related settings. Heart anatomy, physiology, dysrhythmia interpretation and treatment will be presented. Regulatory compliance issues, patient and family interactions, and documentation requirements are also presented.

Context: This course is an upper division undergraduate course in the elective category of the Associate and Baccalaureate Health Sciences degree programs. It can be taken within the Associate of Science in Health Sciences degree program with the instructor's consent.

Course Overview: The course begins with a review of cardiac anatomy, physiology, and electrophysiology. Next, students will learn key concepts related to the practice of cardiac rhythm monitoring including equipment and regulatory issues. Finally, the student will systematically develop skill cardiac rhythm interpretation and build proficiency both in terms of accuracy and time.

Prerequisite: None.

**III. Course Objectives**

Course Outcomes	Assessment
Upon completion of the course, students will be able to:	The objectives will be assessed by:
Weigh principles coronary anatomy, physiology, and electrophysiology	Homework, discussion, quiz, and exam
Apply lead morphology, placement, and technical aspects of the ECG	Homework, discussion, quiz, and exam
Analyze rhythm strips and heart rate	Homework, discussion, quiz, and exam
Hypothesize patient cardiac rhythms	Discussion, quiz, and exam
Generalize regulatory compliance issues	Homework, discussion, quiz, and exam
Compose original materials in Standard American English (to demonstrate college-level communication)	Discussion and written report of community service learning project

**IV. Methodology**

UIW Online embraces the 'Peltz Principles' for effective asynchronous online instruction. Accordingly, this course has been designed to require students to demonstrate interactive work that requires presence. More specifically, this course employs an asynchronous student-centered teaching method that uses online learning resources to facilitate information sharing outside the constraints of time and place that places emphasis on peer-to-peer interactions. This approach combines self-study with asynchronous interactions to promote learning anytime and anywhere there is Internet connectivity.

The UIW Online learning management system has been developed to support online interaction, allowing users to organize discussions, post and reply to messages, and upload and access multimedia. These asynchronous forms

of communication have been supplemented with more synchronous components including text messaging/chat and telephone conversations. Students are also encouraged to organize virtual meetings as may be necessary to enhance collaboration with virtual platforms such as FaceTime, Zoom, or Skype.

## **V. Course Requirements & Grading**

**Reading** - Required readings are assigned from the required course text and handouts that will be provided by the instructor. Students are responsible for all required readings and are expected to do this in preparation to participate/contribute to class discussions and exercises. Reading is not a graded activity.

**Discussion Questions** - Students will participate in asynchronous discussion questions related to germane issues/case studies of ECG monitoring and patient care. Discussion will be of a substantive nature. Discussion will be of written format and principles of good writing apply (this is not a text message assignment). Specific instructions for the discussion questions are found within the weekly class notes. Discussion is a graded activity.

**Homework Assignments** - Students will be assigned homework each week to reinforce the assigned reading, discussion, and other assignments. Specific instructions for each homework assignment are found within the weekly class notes. Some assignments will include writing and principles of good writing apply. Specific instructions for homework assignments are found within the weekly class notes. Homework assignments are a graded activity.

**Written Paper** – A written paper assignment will be used to assess the student’s ability to apply fundamental principles of clinical documentation and record keeping. Specific instructions for the written paper assignment are found within the weekly class notes. Principles of good writing apply. The written paper activity is a graded activity.

**Quizzes** – Following completion of each block or unit of assigned reading, discussion, and assignments, there will be a quiz covering fundamental principles from the assigned readings/content. Specific instructions for each quiz are found the weekly class notes. Quizzes are graded activity.

**Community Service Learning Project** – is conducted in your community. The student will plan, execute, and submit a written report of their activity. The activity will be an opportunity for students to apply a select course objective to a planned community service project AND to the mission of the University of the Incarnate Word. Specific instructions are found within the weekly class notes. The community service learning project is a graded activity.

**Exams** - The student will be required to take and pass a midterm and final exam. The final exam will be time-limited. Success is required in satisfaction of the course itself as well as rendering the student eligible for endorsement for certification examination. Specific instructions are found within the weekly class notes. Exams are a graded activity.

**Class Participation** – Students are expected to have presence in all class assignments and activities during each week. Failure to participate during each week will result in an absence. Each absence will result in a score of zero for all missed activities. **Late assignments will ONLY be accepted with a request for an extension IN ADVANCE:**

**Civilian students** - Your work schedule is NOT an acceptable rationale for missing deadlines without advanced notice. If your employer is funding your studies and once the funds are released (if you’re reading this the funds have been released), a change in your schedule is the liability of you and your employer.

**Active Military students** - Your instructor is a retired senior military officer and is aware that if you’re using DoD Voluntary Education funds, *your chain of command MUST authorize your availability to attend this course in advance of your attendance*. Once the government releases funds (if you’re reading this the government has released funds), nobody is authorized to change your work schedule as you are already under orders to attend this course (as defined by this University). I am happy to clarify this should anyone become confused.

## VI. Method of Evaluation

Quizzes & Assignments (30%)  
Substantive Discussion (30%)  
Objective Examination (40%) - Midterm and final examinations

Grading – Grades will be assigned based on the following table; a grade of C or better is required on the final exam:

A	93 - 100	Completion of work in a timely, excellent manner, i.e., clear understanding of assignment, concepts, and appropriate application to organizational situations.
A-	90-93	
B+	87-90	Completion of all work in a timely and approved manner but with room for improvement.
B	83-87	
B-	80-83	
C+	77-80	Work that is careless or imprecise.
C	73-77	
C-	70-73	
D+	67-70	Work that is incomplete.
D	63-67	
D-	60-63	
F	< 70	Unacceptable work.

A score of 75% or better on the final exam AND a score of 70% or better are BOTH required for eligibility for certification examination administered by Cardiovascular Credentialing International as a Certified Rhythm Analysis Technician (CRAT1). See the following website for more information: <http://www.cci-online.org/>

## VII. Required Text

*EKG Plain and Simple*, 3<sup>rd</sup> Edition, Ellis, VitalSource eTextbook.

## VIII. Disability, Pregnancy & Title IX Policy

Please take time to be aware of the following policies.

### Disability Accommodations:

The University of the Incarnate Word is committed to providing a supportive, challenging, diverse and integrated environment for all students. In accordance with Section 504 of the Rehabilitation Act – Subpart E, Title III of the Americans with Disabilities Act (ADA), and Title III of the ADA Amendments Act of 2008 (ADAAA), the University ensures accessibility to its programs, services and activities for qualified students with documented disabilities. To qualify for services, the student must provide Student Disability Services with the appropriate documentation of his or her disability at the time services and/or accommodations are requested.

### Pregnancy Accommodations:

Under the Department of Education's (DOE) regulations implementing Title IX of the Education Amendments of 1972, the University does not discriminate against any student on the basis of pregnancy or pregnancy related conditions.

To request reasonable accommodations for disability, temporary disability (e.g., injury, surgery) or pregnancy, please contact:

Student Disability Services  
4301 Broadway CPO 286  
Administration Building – Suite 105  
San Antonio, TX 78209  
(210) 829-3997  
(210) 829-6078  
[www.uiw.edu/sds](http://www.uiw.edu/sds)

Title IX Information:

Unlawful discrimination has no place at the University of the Incarnate Word. It violates the University's core values, including its commitment to equal opportunity and inclusion, and will not be tolerated. The University of the Incarnate Word prohibits sexual misconduct, that can include: (1) sex and gender based discrimination; (2) sexual and sex and gender based harassment (including a hostile environment based on sex or gender); (3) sexual assault; (4) sexual exploitation; (5) stalking; and (6) relationship violence (including dating and domestic violence). For more information, or to report an incident, please visit [www.uiw.edu/titleix](http://www.uiw.edu/titleix).

**IX. Academic Honesty**

The highest standards of academic honesty are expected in the course. Forms of academic dishonesty include, but are not limited to **cheating, plagiarism, counterfeit work**, falsification of academic record, unauthorized reuse of work, theft, and collusion. See the student handbook for definitions and procedures for investigation of claims of academic dishonesty.

**IX. Important "DROP COURSE" Information (does not apply to METC contract students):**

It is the student's responsibility to drop their course within the 100% refund period to avoid assessment of tuition and fees. There will not be a university-initiated drop for non-participation. If you do not plan to attend, **you must drop your course(s) by Friday at 5pm of the first week of the term to be within the 100% refund period**. You may do so by emailing your request to [virtual@uiwtx.edu](mailto:virtual@uiwtx.edu). **A \$50 administrative fee is applied for all drops from courses offered through the Virtual University. ARMY Students must drop their course(s) through GoArmyEd and the drop fee will be waived.**