

## **UW SMPH - Department of Anesthesiology Elective Course for 4<sup>th</sup> Year Medical Students**



### **Resuscitation (148-930)**

This elective provides five days of training specific to Cardiac Resuscitation. This course incorporates the American Heart Association (AHA) Advanced Cardiac Life Support (ACLS) course into its curriculum. The AHA sets the standard for emergency cardiac care and resuscitation. Typical resuscitation courses are taught over one or two days. We believe that this course provides a superior opportunity for students to develop the clinical and behavioral skills necessary to initiate and manage care for adult patients who are suffering from acute cardio-respiratory insult or cardiac arrest.

AHA recognized ACLS instructors provide all lectures, demonstrations, and simulator instruction. An important feature of this course is the extensive use of the METI Human Patient Simulator that allows students to practice case scenarios in a realistic setting. The simulation component of the course provides a situated learning experience bringing a high degree of authenticity to the course. The simulation laboratory will be used as a technique for instruction and as a tool for evaluation of student performance.

Upon successful completion of the course students will receive an ACLS Provider recognition card, which is valid for two years.

### **COURSE DESCRIPTION AND CURRICULUM**

This is a foundation course that provides students with the experience to build knowledge, skills, and confidence in emergency cardiac care. With self-directed study, refresher training, and a lifelong approach to learning, students will be able to meet the challenges of cardiovascular and cardiopulmonary emergencies.

#### **Simulation**

This course will be taught using of the department of Anesthesiology's high-fidelity human patient simulation laboratory featuring the METI Human Patient Simulator. The simulation laboratory will be used to introduce students to a variety of topics central to resuscitation and crisis management. Students will also spend a significant amount of time in the simulation laboratory honing their newly acquired skills.

## **Course Objectives**

- Students will meet and exceed the AHA criteria for recognition for ACLS Provider status.
- Demonstrate the ability to effectively provide assessment and treatment of patients presenting in acute cardio-respiratory crisis, respiratory arrest, and cardiac arrest.
- Students will gain an introductory knowledge of crisis management and demonstrate the ability to provide a leadership role during the initial treatment of a patient suffering from cardiac arrest or acute onset cardio-respiratory crisis.
- Provide a working understanding of legal and ethical issues related to cardiac resuscitation, termination of resuscitation, and legal reporting requirements related to the pronouncement of death and death investigation.

## **FACULTY**

Course Professor: Karl Willmann, MD

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Course Lecturer and Coordinator: Eric Bauman, PhD, RN

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Anesthesiology Faculty, Staff, Residents and on occasion other content experts will provide course content.

## **Absences**

Because this elective is a one-week intensive immersion course, a single day absence represents a significant deficit in course content. Absences may jeopardize a student's ability to successfully complete the course. If a crisis occurs and you are unable to attend any portion of the course you must make a reasonable attempt to contact Eric Bauman and Karl Willmann as soon as possible.

## **EVALUATION**

Evaluation will be based on student participation, written examinations, and practical examination

AHA Multiple Choice Exam	25%	(Students Must Achieve 84% or Higher to pass the course)
Practical Exam	25%	(Students Must Pass the Practical Exam to pass the course)
Rhythm Recognition Exam	15%	
Case Study	15%	
Participation	20%	

Any questions or concerns about the course should be directed to Karl Willmann or Eric Bauman