

**EMC 452**  
**Advanced Cardiac Life Support**  
**Fall 2006**

**Instructor**

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**Office Hours**

T, R 9:00-10:00; 12:00-1:00  
F 10:00-12:00  
By Appointment

**Course Description**

Preparation for certification in Advanced Cardiac Life Support and cardiology portions of state and national paramedic exams.

**Objectives**

1. To develop the cognitive skills necessary for the recognition and treatment of cardiac emergencies.
2. To develop the psychomotor skills necessary for the treatment of cardiac emergencies.
3. To develop the cognitive skills necessary for the recognition and treatment of stroke.
4. To develop the psychomotor skills necessary for the treatment of stroke.
5. To prepare the student for certifications in ACLS and BCLS in accordance with AHA standards.

**Text**

**TBA**

**Instructional Methodology**

This course will present material in both lecture and skills lab formats. To the extent possible, the material presented will follow the standard ACLS outline. Flexibility in scheduling will be necessary to ensure successful completion of all certifications. Lectures and skills stations will be conducted by guest lecturers as well as permanent and adjunct faculty.

**Grading**

Class Megacodes (evaluation, video review, etc.)	60% (Documentation due within 1 week of scenario)
Final Megacode Testing	10%
Homework	20%
AHA/Final Exam	10%

A letter grade will not be awarded to the student. The grade tendered for this class will be either Satisfactory or Unsatisfactory. However, the grading scale used in determining the student's outcome is as follows:

A	93-100	*The grade of "Unsatisfactory" will be received for a class average of 72 or less
B	83-92	
C	73-82	*The student must also demonstrate proficiency on both the AHA written exam (84) and the megacode to receive a grade of "Satisfactory"
D	63-72	
F	62 and below	

\*\*Students will be allowed one retest, either of the AHA written exam **OR** the ALS megacode\*\*

**Attendance**

Attendance at the lectures is required. Students are expected to be punctual. Tardiness will not be tolerated. Penalties for absences and tardiness are as follows:

Each unexcused absence beyond two (2) reduces final course grade by two (2) points.  
2 tardy = 1 unexcused absence

### **Class Notes**

Students are responsible for retrieving all class notes from the EMC website, <http://emc.wcu.edu/>, and bringing them to the appropriate class. Handouts will not be provided in class.

### **Pagers/Cell Phones**

Pagers, cell phones, text messagers, PDA's, etc. are **not allowed** during class time. Students must **turn them off** and have them stored at all times while in class.

### **Academic Honesty**

In accordance with the academic honesty policy presented in the student handbook, you should presently be notified that the consequence of your failure to adhere to this honesty policy will result in a grade of "F" for the course.

Note: academic dishonesty includes knowingly allowing someone else to cheat. The absence of a proctor during an exam or quiz does not change rules of this policy.

### **Accommodations for Students with Disabilities:**

Western Carolina University is committed to providing equal educational opportunities for students with documented disabilities. Students who require disability services or reasonable accommodations must identify themselves as having a disability and provide current diagnostic documentation to Disability Services. All information is confidential. Please contact Kimberly Marcus for more information. Phone: (828) 227-7234; E-mail: [kmarcus@email.wcu.edu](mailto:kmarcus@email.wcu.edu).

### **Class Megacodes**

Students will participate in class megacodes as a requirement of the course. Each student will have multiple opportunities to act as "team leader" and will be graded for his or her efforts. The student listed first for each day is responsible for checking out the equipment. The team leader should contact the instructor no later than 30 minutes before class begins to get access to the lab.

Equipment for class includes the ALS bag, cardiac monitor, suction, radios, and oxygen. It is important to remember that the other students being evaluated for the day will not have an opportunity to check the bag out prior to their scenarios. You will be responsible for restocking any supplies that are missing. Once you have completed the equipment check-out, you must seal the ALS bag.

Each scenario will be video recorded. Each student will need to purchase a standard VHS videotape and must bring it to class on the appropriate days.

Each student will be graded by the instructor during class time. In addition, students will be graded on ALS bag check-off, radio report, written ACR of the scenario, drug cards/calculations, and student video review/critique. The check-off sheet is due the day of the student's scenario. The ACR, drug calculations, and video review are due no later than one week after the scenario. There will be a substantial penalty for late documentation.

### **Final Megacode Testing**

Each student is required to take and pass a final megacode scenario. The megacode will be evaluated by the EMC Program Director, Medical Director, and Clinical Coordinator.

**EMC 452  
Course Outline  
Fall 2006**

<b><u>Date</u></b>	<b><u>Topic</u></b>	<b><u>Reading</u></b>
8-24	Systematic ACLS Approach	
8-29	CPR Changes	
8-31	CPR Changes	
9-5	Respiratory Compromise (CD)	
9-7	VF/Pulseless VT (CD)	
9-12	Pharmacology Review Drug Calculations	
9-14	Megacodes	
9-19	PEA/Asystole	
9-21	Bradycardia	
9-26	Megacodes	
9-28	Unstable Tachycardia Stable Tachycardia	
10-3	<b>NO CLASS. EMS TODAY CONFERENCE.</b>	
10-5	Megacodes	
10-10	Advanced Challenges in Resuscitation	
10-12	Acute Ischemic Stroke	
10-17	Megacodes	
10-19	<b>NO CLASS. FALL BREAK.</b>	
10-24	Megacodes	
10-26	Megacodes	
10-31	Megacodes	
11-2	Megacodes	
11-7	Megacodes	
11-9	Megacodes	

11-14	Megacodes
11-16	Megacodes
11-21	Megacodes
11-23	<b>NO CLASS. THANKSGIVING BREAK.</b>
11-28	Megacodes
11-30	Megacodes
12-5	<b>READING DAY.</b>
12-7	Megacodes
12-13 (Wed.)	<b>Megacode Testing</b>
12-14 (Thurs.)	<b>Final Written Exam 12:00-2:30</b>

## **Megacode Assignments**

**08:00 Class**

9-15 Deziel, Garton, Kurtz  
9-27 Kurtz, Lawrence, Powell  
10-6 Powell, Deziel, Garton  
10-20 Garton, Kurtz, Lawrence  
10-25 Lawrence, Powell, Deziel  
10-27 Deziel, Garton, Kurtz  
11-1 Kurtz, Lawrence, Powell  
11-3 Powell, Deziel, Garton  
11-8 Garton, Kurtz, Lawrence  
11-10 Lawrence, Powell, Deziel  
11-15 Deziel, Garton, Kurtz  
11-17 Kurtz, Lawrence, Powell  
11-22 Powell, Deziel, Garton  
11-29 Garton, Kurtz, Lawrence  
12-1 Lawrence, Powell, Deziel  
12-6 Deziel, Garton, Kurtz  
12-8 Kurtz, Lawrence, Powell

**09:30 Class**

9-15 Careatti, Drake, Wilson  
9-27 Drake, Ruane, White  
10-6 Ruane, White, Sheffield  
10-20 Sheffield, Wilson, Ruane  
10-25 White, Careatti, Drake  
10-27 Wilson, Sheffield, Careatti  
11-1 Careatti, Drake, Wilson  
11-3 Drake, Ruane, White  
11-8 Ruane, White, Sheffield  
11-10 Sheffield, Wilson, Ruane  
11-15 White, Careatti, Drake  
11-17 Wilson, Sheffield, Careatti  
11-22 Careatti, Drake, Wilson  
11-29 Drake, Ruane, White  
12-1 Ruane, White, Sheffield  
12-6 Sheffield, Wilson, Ruane  
12-8 White, Careatti, Drake