

LANCASTER GENERAL COLLEGE OF NURSING AND HEALTH SCIENCES
Cardiovascular Invasive Specialty Program

SYLLABUS
Spring Term (15 weeks)

- I. Title: CIS 225 Acute Cardiac Care
- II. Course Description: This course will prepare the cardiovascular student for knowledge and skills necessary to provide the appropriate prevention and early treatment for cardiopulmonary arrest.
- III. Prerequisite: Basic Life Support (BLS) – Health Care Provider Course
- IV. Placement: Spring Term
- V. Time Allotment: Theory 16 hours
- VI. Faculty: Angie Robinson BSN, RN, CCRN
Office: Lancaster General Hospital Staff Development
Phone: 544-5182
- VII. Credits: One (1)
- VIII. Evaluation:
- | <u>Theory Grade</u> | <u>Weight</u> | <u>Time/Date</u> |
|---------------------|---------------|------------------|
| Written Exam | 50% | Day Two |
| Megacode | 50% | Day Two |
- IX. Textbooks: ACLS Provider Manual (2002)
(required- can either be purchased or borrowed through the Staff Development Dept.)
- X. Course Objectives:

By the conclusion of the course the student will:

1. Demonstrate proper airway management.
2. Given an ECG rhythm strip example for interpretation, the learner will correctly identify the following rhythms: sinus, atrial, junctional, heart blocks and ventricular.
3. Demonstrate proper defibrillation of VF/VT rhythms.
4. Demonstrate proper cardioversion of unstable tachycardias.
5. Identify indications for transcutaneous pacing.
6. Identify and administer appropriate resuscitation medications.

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- XI. Program Policies: Students are held accountable for all policies in the Student Handbook and any revisions made to those policies during the academic year.
- XII. Class:
- A. Importance of Attending Class

Due to the nature of this course attendance is MANDATOR.
 - B. Student Responsibility for Missed Material

In the event of major crisis, where as a student missed the original scheduled course offering, the student may have an opportunity to complete the course at a later date prior to graduation.
 - C. Unit Examinations

Students must successfully pass both the written exam and group megacode competence.
 - D. Class Behavior

Once class has started, the instructor has the perogative not to admit students into lecture. Students will be dismissed from class for any inappropriate behavior.
- XIII. Other: Academic Dishonesty and Plagiarism
- Academic dishonesty violates the spirit and purpose of an academic community, and is therefore subject to disciplinary action. Academic dishonesty includes cheating on examinations and unauthorized duplication of work.
- Plagiarism is an act of academic dishonesty. Any work submitted that is not your own is an act of plagiarism. In preparing assignments, you must acknowledge in writing, any use of outside sources or any assistance you received in preparing an assignment.
- If an instructor believes that a student has committed an act of academic dishonesty or has plagiarized material, the instructor will award a failing grade for that assignment to the student. If the occurrence is during an examination, the student will receive a zero for that portion of their grade and must leave the room.
- If the student disagrees with this decision, the student may follow the grievance procedure.

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XIV. Bibliography: ACLS Provider Manual (2002)

XV.

Day One:

0800 – 0815 Stager #3 Introduction to ACLS

0815 – 0915 **The Systematic ACLS Approach**
Comprehensive ECC Algorithm
Case 2: VF Treated with CPR and AED
ACLS Pharmacology

0930 --1145 **SKILLS TEACHING STATIONS**

	ST #3	ST#4	ST #5
	<i>Airway</i>	<i>Electrical</i>	<i>Arrhythmia</i>
0930 -- 1015	A	B	C
1015 – 1100	B	C	A
1100 – 1145	C	A	B

1145 – 1245 **Lunch**

1245 – 1330 **ST #3** **ACLS Case Discussion (Preparation)**

1330-- 1350 *Case 3: VF/Pulseless VT*

1350 --1410 *Case 4: Pulseless Electrical Activity*

1410 --1430 *Case 5: Asystole: The Silent Heart Algorithm*

1430 --1450 *Case 7: Bradycardias*

1450 –1510 *Case 8: Unstable Tachycardia*

1450 – 1515 **Break**

1515 --1630 **Case 9: Stable Tachycardias**

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Day Two:

0800 – 0930	ST #5	Group Discussion of ACLS Cases <i>Case 6: Acute Coronary Syndromes</i> <i>Case 10: Acute Ischemic Stroke</i>
0930 – 1000		Review Precourse Examination
1000 – 1015		Break

SMALL GROUP CASES/TESTING STATIONS

	ST #3	ST #4	ST #5	ST #5
	Case 3: VF/Pulseless VT	Cases 4/5/7: PEA/Asystole/ Bradycardia	Case 1 Respiratory Arrest	Case 8/9 Tachys
1015 – 1100	1	2	3	4
1100 – 1145	4	1	2	3
1145 --1245	LUNCH			
1245 – 1330	3	4	1	2
1330 --1415	2	3	4	1

1415 –1600	Megacodes and Written Exam Discussion/Evaluations
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