

LANCASTER GENERAL COLLEGE OF NURSING AND HEALTH SCIENCES
Cardiovascular Invasive Specialty

SYLLABUS
Sophomore Year, Fall Term (15 weeks)

- I. Title: CIS 210 Cardiology lab/Clinical
- II. Course Description: Clinical experience is provided in the invasive and noninvasive settings of the cardiology department. Students will observe in the following areas, holter monitoring, treadmill stress testing, nuclear medicine, radiographic imaging, echocardiography, electrophysiology and catheterization laboratories. The laboratory portion of the class will prepare the student for the scrub position, prior to the actual entry into the catheterization laboratory.
- III. Prerequisite: A&P I and II
- IV. Co requisite: CIS 200, CIS 205, CIS 215, CIS 220
- V. Placement: Fall Semester
- VI. Time Allotment: Clinical 120 hours
 Lab 60 hours
- VII. Faculty: Richard Visco, RCIS
 Office: 3020 – 2nd Floor, 430 N Lime
 Phone: 544-7543
 Pager: 305-1271
- VIII. Credits: Three (3)
- IX. Evaluation:
- | <u>Instrument</u> | <u>Weight</u> | <u>Time/Date</u> |
|---------------------------|---------------|-------------------------|
| Clinical Notebook | 50% | Weeks 3, 6, 9, 12, & 15 |
| Clinical Lab Competencies | 30% | Weeks 5, 8, & 11 |
| Clinical Lab Final | 20% | Week 15 |

A. Clinical Notebook (Clinical)

1).The clinical notebook is to be utilized by the student to review his/her clinical experience and will be evaluated on:

- a) Content
- b) Pertinence to objectives
- c) Legibility

2) Notebook sheets shall be printed or written clearly in ink, which is at the instructor's discretion.

3) A separate sheet shall be completed for each clinical day at the clinical facility.

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A. Clinical Notebook (cont'd)

4) Each sheet shall include the following information; student name, course number, name of hospital, and date of clinical activity.

5) Every sheet shall include the following:

- a) Location of clinical activity: Cath Lab, EP, Stress, Etc.
- b) Type of clinical activity (procedure performed)
- c) Personnel with whom you worked
- d) A personal assessment of your clinical activities for the day includes any new experiences, feedback from staff or patient.

6) Clinical notebooks shall be turned in on time, according to the course instructor. The notebook will be read by the instructor and will then be returned to the student. It is the student's responsibility to retain all sheets during the course of the term. At the end of the quarter, the clinical instructor will collect all notebooks for grading.

B. Clinical Lab Competencies (Lab)

This primary focus of this lab is to prepare the Cardiovascular Invasive Specialty student for entry into the Cardiac Catheterization lab as a clinical student. The focus of these competencies will help the student gain the understanding of principles and techniques used in the lab such as: Aseptic Technique, Gowning and gloving, Sterile Tray Setup, Patient Preparation, Access, Catheter Exchange, and Coronary Injections. Specific critical behaviors have been identified which address each lab objective. The final lab grade is determined by how the student has met the critical behaviors and lab objectives by the end of the course.

***A grade of "C" (2.0) is required to pass the course**

X. Course Objectives: At the completion of Cardiology Lab/Clinical, the student will be able to:

1. Recognize the role of cardiology in the promotion, maintenance and restoration of wellness for clients.
2. Practice under the direct supervision of your clinical preceptor.
3. Identify equipment used to restore wellness of clients.
4. Apply ethical and legal principles to health care.
5. Demonstrate ability to communicate with client and other health team members.

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.

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XII. Clinical Requirements: **Violation of any of the following requirements will result in your inability to continue in clinical.**

A. Importance of Attending Clinical

Attendance is required for all clinical experiences. Student will be regular and punctual in attendance for all scheduled clinics. If a student finds it unavoidable to be tardy or absent from any clinic, the student **must call** the facility and the **Clinical Instructor or Program Director's** office with an explanation **prior to the start** of clinic. All absences **must** be made up before the end of the semester. It is the responsibility of the student, not the instructor, to initiate and serve any and all make-up time. Clinical time not made up can result in the student's inability to receive their diploma. If a student arrives late or leaves early, the time missed must be made up the following week.

B. Student Responsibility for Missed Material

Students are responsible for all material presented and announcements made in the clinical area, regardless of attendance. It is the student's responsibility to obtain materials and assignments if absent.

C. Clinical Behavior (See clinical handbook for student expectancies)

XIII. Other Requirements:

A. Student will comply with all general rules and procedures of both Lancaster General College of Nursing and Health Sciences (LGCNHS) and the facility in which clinical is being taught. A demonstration of courteous, cooperative, and professional attitude throughout the course is essential. Any violation of procedure or positive attitude shall result in the student's immediate dismissal from the facility and the program. Please refer to the LGCNHS Catalog regarding student behavior and the "student code of conduct and responsibility".

B. Any student having particular program problems shall first approach the Clinical Instructor. If the problem is not resolved to the student's satisfaction, the student and the Clinical Instructor will then proceed to the Program Director. Again, if the problem is not resolved, the student, the Clinical Instructor and the Program Director will meet with the Director of LGCNHS. Any student failing to follow this "Chain of Command" properly shall be sent to the initial area until this procedure has been followed.

XIII. Other Requirements (cont'd)

- C. Student will always be responsible for reporting to the instructor or designee at the beginning, during and at the conclusion of each clinic day and will keep the instructor or designee informed of their whereabouts at all times.
- D. Students will demonstrate responsibility and accountability in regard to professional behavior. A student who is unable to perform clinical activities as assigned, with reasonable skill and safety to patients, by reason of illness or use of alcohol, drugs, narcotics, chemical, or any other type of material, or as a result of any mental or physical condition, shall be required to submit to a mental or physical examination. The physician or health care practitioner must possess expertise to diagnose the impairment and be approved by the Director of LGCNHS. Cost of the examination will be borne by the student. Failure to submit to such an examination may result in dismissal from the program.

All faculty and students and professional staff automatically assume responsibility and accountability for their individual as well as professional judgments and action. The student shall avoid any conduct that would bring disrepute and disgrace to the students, faculty, program, profession, or that would adversely affect the teaching-learning environment. Such conduct may include, but is not limited to:

- a) Acts which violate the accepted social norms regarding conduct of one person towards another.
- b) Commission of a misdemeanor or felony
- c) Fraud or deceit in filing an application.

Failure to meet these standards may result in the student being suspended or dismissed from the program. It is the responsibility of all members of the profession to define and upgrade standards of practice and education.

- E. Students must submit a completed Physical Form before he/she will be allowed to attend clinical. The TB test must be updated annually and on file in the office. The students should keep a second copy of both records to take on certain clinical rotations where required. Any student who has a change in health status due to an injury, hospitalization, pregnancy (if student wishes to declare her pregnancy), infectious disease must notify the clinical instructor. It may be required to have a letter from his/her physician stating the student can return to the clinical area and participate in clinical activities.

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XIII. Other Requirements (cont'd)

- F. The student is constantly being appraised by patients, peers and fellow students and must be aware of factors that promote the most acceptable appearance. When wearing any part of the uniform at any time, the student represents LGCNHS and the program. The student's behavior is a reflection on the program and the profession. Any deviation or laxity in the observation of uniform and hygiene regulations will result in counseling or action by the faculty of the program (See Student Handbook – Dress Code).

- G. Written Assignments - All submitted work (with the exception of clinical notebooks) must follow the Publication *Manual of the American Psychological Association (5th ed.)* unless directed otherwise by the course instructor

XIV. Revisions

This syllabus is subject to revision by the faculty at any time.

CIS 210 Clinical Rotation Schedule Fall 2007

Date	Cath Lab	EP Lab	Non-Invasive	Angiography	CT Scanning
8/23	1,4,7	3,5	6	2	8
8/30	2,5,8	1,6	3	4,7	
9/6	3,6	4,7	8	1,5	2
9/13	1,4,7	2,8		3,5	6
9/20	2,5,8	1	4	3,6	7
09/27	3,6	5,7	4	2,8	1
10/4	1,4,7	3,6	2	8	5
10/11	2,5,8	4	1,6	7	3
10/18	3,6	4,7	5	1, 2	8
10/25	1,4	2,8	3	5,6	7
11/1	2,5,8	3	7	1,6	4
11/08	3,6	1	2	8,7	4,5
11/15	1,4,7	2,8	5	3	6
11/29	2,5,8	6	7	4	1,3
12/6	3,6,7	5	1,8	4	2

Student List	No.		Department	Contact	
Bouder, Aaron	1		Angiography	Leann Hertzler	45227
Davis, Erica	2		Cardiac Cath Lab	Christine Vlassis	45141
Davis, Erik	3		CT Scanning	Dean Hollenbacher	45364
Gallagher, Carol	4		Electrophysiology Lab	Ryan Olesen	47288
Guildin, Tiffany	5		Non-Invasive Cardiology	Karen Ulrich	41052
Knisely, Heather	6				
Rothrock, Jodi	7				
Sham, Hemlata	8				

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Lab Outline				
Class Date	Topic/Material	Teaching Methodology	Student Activity	Learning Outcome(s) Objectives
1 8/21/07 Rm 209	Aseptic Technique	Lecture, PowerPoint, Demonstration	Observation, Hands on	Demonstrate the understanding of the “Surgical Conscience” Demonstrate the understanding of surgical definitions and terminology. Identify sources of contamination and barriers to prevent contamination. Demonstrate the understanding of proper attire and hygiene related to the surgical suit. Explain and apply the “Principles of Sterile/Aseptic Technique”.
2 8/28/07 Rm 209	Gown/gloving & Scrubbing	Demonstration	Observation, Hands on, Power Point	Perform with 100% accuracy a surgical scrub. Perform with 100% accuracy the open and closed glove and gowning technique.
3 9/4/07 Rm 209	Sterile Tray Setup	Demonstration	Observation, Hands on Video	Properly set up a procedure tray in a sterile manner.
4 9/11/07 Rm 209	Review for Scrub & Gown/Gloving Final	Review/Practice	Review, Hands on	Review for Final on 9/19/06
5 9/18/07 Rm 209	Scrub & Gown/Gloving Final	Competency	Competency	Perform with 100% accuracy a surgical scrub. Perform with 100% accuracy the open and closed glove and gowning technique.
6 9/25/07 Rm 209	Patient Prep	Demonstration	Observation, Hands-on. Video	After demonstration by the instructor and with the help of the instructor, properly prep the patient for a cardiac catheterization.

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7 10/2/07 Rm 205	Access	Demonstration	Observation, Hands-on.	After demonstration by the instructor and with the help of the instructor, properly demonstrate the percutaneous technique using the laboratory model.
8 10/9/07 Rm 205	Sterile Tray Final	Competency	Competency	Perform with 100% accuracy a sterile tray setup.
9 10/23/07 Rm 205	Catheter exchange	Demonstration	Observation, Hands-on.	Properly demonstrate catheter exchange using the laboratory model.
10 10/30/07 Rm 209	Coronary Injection	Demonstration	Observation, Hands-on.	After demonstration by the instructor and with the help of the instructor, properly demonstrate technique for injecting coronary arteries using the laboratory model.
11 11/6/07 Rm 209	Patient prep Final	Competency	Competency	Prep a patient for a diagnostic procedure with 100% accuracy
12 11/13/07 Simulator	Simulator	Demonstration	Observation, Hands-on.	Simulator
13 11/20/07 Simulator	Simulator	Demonstration	Observation, Hands-on.	Simulator Practice
14 11/27/07 Simulator	Simulator	Demonstration	Observation, Hands-on.	Simulator Practice
15 12/4/07 Simulator	Procedure Final	Test	Test	Perform with 100% accuracy a cardiac procedure.