GROSSMONT COLLEGE

COURSE OUTLINE OF RECORD

Curriculum Committee Approval: 02/22/2022

GCCCD Governing Board Approval: 03/08/2022

CARDIOVASCULAR TECHNOLOGY 220 – CLINICAL PRACTICUM II

1. Course Number Course Title Semester Units

CVTE 220 Clinical Practicum II 5

Semester Hours

15 hours laboratory 240-270 hours 240-270 total hours

1. Course Prerequisites

A “C” grade or higher in CVTE 130.

Corequisite

None

Recommended Preparation

None

1. Catalog Description

The second laboratory course providing clinical practicum for students in the Cardiovascular Technology Program. Emphasis will be on the continuation of building the skills, knowledge and behaviors necessary for the successful Cardiovascular Technologist. The performance of specified diagnostic tests, calculation of hemodynamic data, and professional performance in the clinical environment will be stressed.

1. Course Objectives

The student will:

* 1. Demonstrate professional behaviors to include effective communication, timeliness, and adherence to policies established in the clinical setting the student is assigned.
  2. Utilize developing interactive skills with patients, cardiovascular technologists, physicians, and other department team members.
  3. Build upon application of knowledge and skills, effective use of the equipment, protocols of the lab, and participation as directed by their proctor(s).
  4. Participate in calculating results and gathering information required for the procedure report as instructed.
  5. Anticipate what additional equipment or testing may be required.

1. Instructional Facilities

Local hospitals and clinics.

1. Special Materials Required of Student
   1. Grossmont College issued picture identification.
   2. CVT Program Navy scrubs/uniform.
   3. Radiological Dosimeter (Issued by Health Professions Lab Tech for Invasive students only).
2. Course Content:
   1. Clinical experience in area of emphasis:
      1. Adult Echocardiography Lab
      2. Cardiac Catheterization Lab
      3. Vascular Ultrasound Lab
   2. Application of skills/knowledge
   3. Patient care
   4. Procedural report writing
3. Method of Instruction
   1. Supervised clinical experience by proctors specializing in Echocardiography, Cath Lab, or Vascular ultrasound.
   2. The Cardiovascular Technology Program instructors will provide oversight.
4. Methods of Evaluating Student Performance
   1. Weekly Clinical Log Sheet which includes times in and out, a description of the cases in which the student is involved, how they were involved in each case, and the daily and weekly totals of hours.
   2. A mid-semester and final evaluation of the student’s performance will be written by the clinical proctor and assessed by the instructor with emphasis on professional behaviors, skills and knowledge appropriate for the level of learning of the student.
   3. Written case reports.
5. Outside Class Assignments
   1. Weekly clinical reports.
   2. Written case reports focused on a patient care experience of the student.
6. Representative Texts
   1. Representative texts:
7. (Adult Echo) Anderson, Bonita. *Echocardiography : The Normal Examination and Echocardiographic Measurements.* Cardiotext Publisher. 2017.
8. (Invasive) Sorajja MD, Paul, and Lim MD, Michael J, and Kern MD, Morton L. *Kern's Cardiac Catheterization Handbook. 7th Edition.* Elsevier Health Sciences. 2019.
9. (Vascular) Size, Gail P. *Inside Ultrasound: Vascular Reference Guide. 1st Edition.* Davies Publishing, Inc. 2013.
   1. Supplementary texts and workbooks: None.
10. Addendum: Student Learning Outcomes

Upon completion of this course, the student will be able to:

* 1. Demonstrate the expected professional relationships between the Cardiovascular Technologist, the patient, the physician and other members of the healthcare team.
  2. Perform basic functions of diagnostic cardiovascular exams/procedures common to adult echocardiography labs, or Cardiac Catheterization Labs, or Vascular Ultrasound Labs with direction from clinical proctors.
  3. Apply skills/knowledge independently to participate in daily lab workflow as appropriate.