GROSSMONT COLLEGE

COURSE OUTLINE OF RECORD

Curriculum Committee Approval: 02/22/2022

GCCCD Governing Board Approval: 03/08/2022

CARDIOVASCULAR TECHNOLOGY 130 – CLINICAL PRACTICUM I

1. Course Number Course Title Semester Units

CVTE 130 Clinical Practicum I 2

Semester Hours: 6 hours laboratory 96-108 laboratory hours 96-108 total hours

1. Course Prerequisites

A “C” grade or higher in CVTE 113.

Corequisite

None

Recommended Preparation

None

1. Catalog Description

This laboratory course is the first student opportunity to perform cardiovascular diagnostic testing in a clinical setting under the guidance of an experienced Cardiovascular Technologist. Basic patient interaction, routine patient care, diagnostic testing in a clinical setting, preliminary findings and the physician’s final report will be introduced. The diagnostic proficiencies learned in the classroom and practiced during the first-year lab sessions of the Cardiovascular Technology Program will be applied to situations in the hospital, clinic or doctor’s office setting.

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. Begin instruction in and exposure to patient interaction, physician interaction, interaction with lab technologists, as well as other department team members.
  3. Apply knowledge of skills, effective use of the equipment, protocols of the lab, and begin participating 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 Navy scrubs/uniform.
2. Course Content:
   1. Clinical experience in area of emphasis:
      1. Adult Echocardiography Lab
      2. Cardiac Catheterization Lab
      3. Vascular Ultrasound Lab
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 final evaluation of the student’s performance will be written by the clinical proctor and assessed by the instructor.
   3. Written case report.
5. Outside Class Assignments
   1. Weekly clinical reports.
   2. Written case report focused on clinical experiences 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. Describe and demonstrate the appropriate and expected professional relationships between the Cardiovascular Technologist, the patient, the physician and other members of the healthcare team.
  2. Relate clinical processes such as the Health Insurance Portability and Accountability Act (HIPAA), radiation safety, and infection control in relation to the professional role of the Cardiovascular Technologist.
  3. Summarize the fundamental operations of the cardiovascular lab assigned to the student to include workflow and procedures performed.