

**Title of Clerkship:** Cardiothoracic Surgery

**Elective Type:** Third year elective

**Department:** Surgery

**Type of Elective:** Clinical  Non-Clinical/Research  Basic Science

**Clerkship Site:** University Medical Center

**Course Number:** SURG 760

**Blocks available:** All

**Number of students per block:** 1

**Faculty:** Dr. Thomas Schwann and Dr. Mark Bonnell

**Elective Description/ Requirements:** Students will be given an individualized opportunity to participate in the activities of the Division of Cardiothoracic Surgery. Opportunities may be available for clinical experience in the operating room, in management of adult and pediatric cardiac surgical patients, or in clinical research. The focus will be the development of an understanding of the basic and clinical sciences as they pertain to cardiovascular surgical procedures and pulmonary resection.

**Length of Clerkship:** 4 weeks

**Links to Core Competencies**

IPC-1, IPC-2, PC-1, PC-3, PC-4  
PC-7, PC-8, MK-4, MK-7  
PC-2, PC-3, PC-8, MK-1, MK-2, MK-7  
PC-1, PC-3, PC-7, PC-8, PC-10, MK-6  
PC-7, PC-8, MK-5, MK-7  
PC-8, PC-10, MK-2, MK-4, MK-7  
PC-6, MK-7  
MK-2, MK-7, PC-7  
MK-3, MK-5, MK-7

**Educational Course Objectives:** At the end of the rotation the student will be able to:

1. Obtain and document a surgical history and physical examination
2. Demonstrate an understanding of the indications for cardiothoracic surgical procedures
3. Demonstrate the ability to understand the important anatomic findings related to the various normal and pathologic conditions encountered on the service
4. Demonstrate an understanding of preoperative evaluation and postoperative ventilator management, pulmonary care, hemodynamic monitoring, pharmacologic cardiovascular treatment, and chest/mediastinal tube management
5. Appropriate use of imaging, endoscopic, and diagnostic modalities and recognition of abnormalities
6. Demonstrate an understanding of common mechanisms of disease related to acquired cardiovascular disease
7. Demonstrate an understanding of the key steps of procedures performed while on the service
8. Demonstrate an understanding of nutritional assessment and ventilator management
9. Demonstrate an understand of the basic science of wound healing and wound management

**Professionalism:** UT/COM students will meet or exceed the institutional standards for professionalism as stated in the current Core Competencies and the current Educational Course Objectives for the Sponsoring Department.

**Instructional Methods:**

1. Interpretation of lab data
2. Diagnostic tests-use/interpretation
3. Small group instruction
4. Case studies

5. Teaching rounds
6. Ambulatory care experience: office and outpatient surgery
7. In-hospital surgical experience

**Evaluation methods** 1. Clinical competency evaluations

- Employed:**
2. Faculty observation
  3. Professional assessments
  4. Attendance
  5. Case write up

**Prerequisites:** Successful completion of Yrs 1 and 2, passing USMLE Step 1, completion of Bridge Course.

**Clerkship Director:** Stephanie Pannell, M.D.

**Clerkship** Claudia Davis

**Coordinator:**

**Phone Number:** 419.383.3580

**Email:** [Claudia.davis@utoledo.edu](mailto:Claudia.davis@utoledo.edu)

**Special** Rotation requires approval from clerkship director through the coordinator. Participation in night call  
**Requirements:** is recommended because many cases come in after hours. A call schedule may be arranged per individual faculty member.