

**Title of Clerkship:** Cardiothoracic Surgery

**Elective Type:** Fourth Year Elective

**Department:** Surgery

**Clerkship Site:** University of Toledo Medical Center

**Course Number:** SURG 704

**Blocks available:** All

**Number of students per block:** 1

**Faculty:** Thomas Schwann, M.D. and Mark Bonnell, M.D.

**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 EPOs**

S1, S3, S4, S5  
 S7, S8, S9, K4, K7  
 S4, S7, S8, K1, K2, K7  
  
 S3, S7, S8, S11, K6  
  
 S7, S8, S9, K5, K5, K7  
 S9, S11, K2, K4, K7  
 S6, K7  
 S4, S7, S8, K1, K2, K7  
 S4, S7, S8, K1, K2, K7

**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 understanding 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 Educational Program Objectives and the current Educational Course Objectives for the Sponsoring Department.

- Instructional Methods:**
1. Interpretation of lab data
  2. Diagnostic tests/use and interpretation
  3. Small group discussion
  4. Case studies
  5. Ambulatory care experience
  6. Grand rounds
  7. Teaching rounds
  8. Residency program/department conferences

**Evaluation methods employed:** *(please make selection from CurrMIT list)*

1. Clinical competency evaluations
2. Faculty/Resident observation
3. Professional assessments
4. Attendance
5. Case write up

**Prerequisites:** Successful completion of required Surgery clerkship.

**Clerkship Director:** David Heidt, M.D..

**Clerkship Coordinator:** Claudia Davis

**Phone Number:** 419.383.3580

**Email:** Claudia.davis@utoledo.edu

**Special Requirements:** Participation in night call is recommended because many cases come in after hours. A call schedule will be arranged per individual.

**AAMC Hot Topics**

**Addressed in this**

**Elective Clerkship:**

*(please make selection from attached Hot Topic list)*

