

# 2020-2021 Catalog

## Thoracic and Cardiovascular Surgery/Jacksonville

SUR E 8J | 4th Year Elective | Surgery | Clinical Science

MDT 7600

### Prerequisites

4th year Student

### Course Description

COURSE GOALS: At the completion of this rotation, the student will be able to:

1. Perform detailed admission histories and physical examinations specific to patients who have pulmonary and cardiac disease that require surgical therapy.
2. Identify the indications and potential complications for thoracic and cardiac surgical procedures.
3. Identify the appropriate tests and medications required for assigned patients throughout their course of therapy.
4. Second or first assist in general thoracic and open-heart surgical procedures.
5. Correlate the findings from the physical, hemodynamic, laboratory, and other diagnostic tests performed before and after cardiac surgery.
6. Evaluate and predict patient outcomes in response to surgical interventions and pharmacologic manipulations performed in the postoperative period.

Student activities include daily patient rounds and conferences, assisting in surgery, diagnostic work-ups, and direct patient care.

### Course Faculty and Staff

- [John "Jack" Pirris MD](#) (Director)
- [Jessica Cioffi MD](#) (Director)
- [Amber McRae](#) (Course Staff)
- [Dani Brown](#) (Course Staff)
- [Ashley Graham](#) (Course Staff)
- [Hugh "Tim" McConnell PA.C](#) (Other Faculty)

### Meeting Place and Time

SPONSORING UNIT: Department of Surgery, Division of Thoracic and Cardiovascular Surgery

### Course Materials

None

## Classes Offered

<b>Period</b>	<b>Length</b>	<b>Credits</b>	<b>(Avail / Max) Slots</b>
Period 1	4 Weeks (May 11 - Jun 6)	4	(1 / 1)
Period 2	4 Weeks (Jun 7 - Jul 4)	4	(1 / 1)
Period 3	4 Weeks (Jul 5 - Aug 1)	4	(1 / 1)
Period 4	4 Weeks (Aug 2 - Aug 29)	4	(1 / 1)
Period 5	4 Weeks (Aug 30 - Sep 26)	4	(1 / 1)
Period 6	4 Weeks (Sep 27 - Oct 24)	4	(1 / 1)
Period 7	4 Weeks (Oct 25 - Nov 21)	4	(1 / 1)
Period 8	4 Weeks (Nov 22 - Dec 18)	4	(1 / 1)
Period 9	4 Weeks (Jan 4 - Jan 30)	4	(1 / 1)
Period 10	4 Weeks (Jan 31 - Feb 27)	4	(1 / 1)
Period 11	4 Weeks (Feb 28 - Mar 27)	4	(1 / 1)
Period 12	4 Weeks (Mar 28 - Apr 24)	4	(1 / 1)

## Evaluated Competencies

## #1 Professionalism

**Educational Objectives:** The student will participate in rounds, operations, and bedside discussions with faculty and residents ranging from PGY-1 to PGY-7. They will contribute in response to questions, inquire according to their interests, and see multiple examples of handling clinical, ethical, and social issues, which affects the care of the cardiothoracic patients.

**Method of Evaluation:** The faculty will assess the student's responses, inquiries, and attitudes toward the care of the cardiothoracic patients.

## #2 Patient Care

**Educational Objectives:** The student will be expected to perform a concise and complete surgical history and physical examination. The student should independently be able to formulate an appropriate plan of management. Dressing changes, tube and drain removal will be taught as intraoperative technical skills of a basic level.

**Method of Evaluation:** The student will be evaluated by the attending and student observations during teaching rounds and in the OR.

## #3 Medical Knowledge

**Educational Objectives:** The student's fund of knowledge should be acceptable for level of training. He/she should know anatomy, natural history, and the pathophysiology of common surgical diseases and conditions. He/she should understand the principles of infection, immunology, and antibiotic usage. He/she should be able to solve clinical problems in a logical manner. He/she should learn and apply new concepts easily and show an understanding of complicated issues. The student will participate in the educational conferences in the Division of Surgery.

**Method of Evaluation:** The student will be evaluated by the attending and student observations during teaching rounds and in the OR.

## #4 Practice-Based Learning

**Educational Objectives:** The student will be able to show evidence of in-depth reading on surgical topics to prepare them for the OR. The student will be able to read about disease processes and apply knowledge gained in the care of the patients.

**Method of Evaluation:** The student will be evaluated by the attending and student observations during teaching rounds and in the OR.

## #5 Interpersonal and Communication Skills

**Educational Objectives:** Rounding, assisting in the OR, and being a team member will be emphasized. Interaction with patients, patients' families, nurses, and physician extenders will be fostered.

**Method of Evaluation:** The student will be evaluated by the attending and student observations during teaching rounds and in the OR.

## #6 Systems-Based Practice

**Educational Objectives:** General problems leading to cardiovascular and pulmonary problems will be discussed at length. Transplantation and its effect on the patient and family will be observed. The impact of behavioral change on health care and postop recovery will be emphasized.

**Method of Evaluation:** The student will be evaluated by the attending and student observations during teaching rounds and in the OR.