



## **BAKER COLLEGE**

### **STUDENT LEARNING OUTCOMES**

**SUR 2420 Surgical Procedures II**  
**2 Semester Credit Hours**

#### **Student Learning Outcomes and Enabling Objectives**

1. Evaluate the purpose and process of the surgical procedure.
  - a. Identify sutures to appropriate tissue.
  - b. Relate the surgical instrumentation to the correlating anatomy of the surgical procedure.
  - c. Discuss safety precautions as they pertain to positioning the surgical patient.
2. Examine the surgical specialties and the common procedures related to them.
  - a. Discuss the instrumentation, equipment, and supplies needed to gain access for specific surgical procedures.
  - b. Classify surgical procedures according to their surgical specialties.
    - i. Plastics, Ophthalmology, Oral/Maxillofacial, Neurosurgery, Cardiothoracic, Peripheral Vascular
  - c. Describe tissue replacement materials and the surgical procedures that require their usage.
3. Evaluate common incision sites for surgical procedures.
  - a. Relate incision placement to surgical skin prep boundaries and safety issues related to patient positioning.
4. Examine how pathophysiology and diagnostic modalities relate to surgical procedures.
  - a. Compare and contrast the various surgical pathologies of each body system.
  - b. Relate pathophysiology to surgical interventions.
  - c. Analyze the relationship between cell pathology and disease.
  - d. Identify hemodynamic disorders, inflammation.
  - e. Characterize diagnostics in surgical procedures.
5. Examine how the diagnostic modality influences the preoperative planning for a procedure.
  - a. Compare how different diagnostic results change the treatment options in preoperative planning.
  - b. Identify preoperative planning as it correlates with the different diagnostic modalities.
  - c. Discuss preoperative planning, anticipation of supplies and room set up based on diagnostics.

## **Big Ideas and Essential Questions**

### **Big Ideas**

- Purpose of surgical procedure
- Advanced surgical specialties
- Incision sites
- Surgical pathology
- Diagnostics

### **Essential Questions**

1. How does understanding the purpose and process of a surgical procedure contribute to a surgical technologist's ability to assist a surgeon effectively?
2. How is matching appropriate sutures to specific tissue types critical for successful surgical outcomes?
3. What safety precautions should be considered when positioning surgical patients, and how do these precautions contribute to patient well-being during and after the surgical procedure?
4. How does anatomical knowledge contribute to surgical instrumentation knowledge and anticipation during a surgical procedure?
5. How can the results of diagnostic tests influence the preparation for a surgical procedure?

These SLOs are not approved for experiential credit.

**Effective: Spring 2024**