



# North Central Michigan College Master Course Syllabus

## PART 1:

Course Name: Surgical Technologist IV

Course Number: SRG 230

Credit Hrs. 10    Lecture Hrs. 0    Lab Hrs. 0    Clinical Hrs. 40    Variable Hrs.

Total Hours of Instruction: 40    Total Contact Hours: 704  
(Total Contact hour's formula: (lecture hrs. + lab hrs. + clinical hrs) x 17.6)

### Course Description:

This course places surgical technologist students in the work-based learning environment of a working operating room for four ten-hour shifts each week. During this period, students will function as a member of the surgical team, applying knowledge and skills they have acquired in the previous three terms.

Prerequisite (s): Completion of SRG 220 with a grade of at least a C+.

Co-requisite (s): SRG 240

### Course Objectives:

- Apply knowledge and techniques learned SRG 120, 130, and 220 to the environment of a working operating room;
- Practice the surgical technologist's role in the selection and use of various surgical instruments and equipment (diagnostic and monitoring) related to care of the surgical patient;
- Predict the outcome of common surgical procedures, and recognize the potential for unexpected outcomes;
- Verbalize, and if possible, practice methods within the surgical technologist's scope of practice of reacting to unexpected circumstances during surgical procedures.
- Compute doses accurately for oral, topical, and parenteral medications.
- Simulate medication administration on surgical patients.

Reasonable accommodations can be provided for students with documented disabilities. Please contact Learning Support Services to arrange for these (231)348-6687 or (231)348-6817, Room 533 SCRC.



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## **PART 2:**

### **Course Objectives and Linked Lumina DQP Outcomes**

See **PART 3** of this syllabus for the complete language of each Lumina DQP outcome.

- Apply knowledge and techniques learned SRG 120, 130, and 220 to the environment of a working operating room. (DQP# 1, 4)
- Practice the surgical technologist's role in the selection and use of various surgical instruments and equipment (diagnostic and monitoring) related to care of the surgical patient. (DQP# 3, 11)
- Predict the outcome of common surgical procedures, and recognize the potential for unexpected outcomes. (DQP# 13)
- Verbalize, and if possible, practice methods within the surgical technologist's scope of practice of reacting to unexpected circumstances during surgical procedures. (DQP# 2, 13)
- Compute doses accurately for oral, topical, and parenteral medications. (DQP# 6, 13)
- Simulate medication administration on surgical patients. (DQP# 6, 13)



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**Suggested Methods of Instruction:**

Hybrid, clinical perception, discussion, working as a surgical team member

**Suggested Methods of Assessment and Evaluation:**

Students will be evaluated by a clinical instructor who will visit each work-based learning sited during working surgical procedures. Clinical instructors will complete clinical evaluation forms on each student.

**Adopted Text at Time of Course Adoption/Revision:**

Fuller, Joanna. *Surgical Technology: Principles and Practice*. St. Louis: Saunders, 2010.

**Topics Covered During the Semester:**

*Sequence of topics and time allowance are at the discretion of the instructor*

Arranged according to four ten-hour shifts each week for 16 weeks at clinical externship sites.

Part 1 & Part 2 approved by CRDAP on:

Part 2 approved by AD:

Date:

Part 2 approved by CRDAP Chair:

Date:

Rev02/15



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## **PART 3:**

**LUMINA DQP OUTCOMES** – Use this reference sheet for **PART 2** of Master Course Syllabus.

### **Specialized Knowledge**

1. Describes the scope and principal features of the field of study, citing at least some of its core theories and practices, and offers a similar explication of at least one related field.
2. Illustrates contemporary terminology used in the field.
3. Generates substantially error-free products, reconstructions, data, juried exhibits or performances as appropriate to the field.

### **Broad Integrative Knowledge**

4. Describes how existing knowledge or practice is advanced, tested and revised
5. Describes and examines a range of perspectives on key debates and their significance both within the field and in society.
6. Illustrates core concepts of the field while executing analytical, practical or creative tasks.
7. Selects and applies recognized methods of the field in interpreting characteristic discipline-based problems.
8. Assembles evidence relevant to characteristic problems in the field, describes the significance of the evidence, and uses the evidence in analysis of these problems.
9. Describes the ways in which at least two disciplines define, address and interpret the importance of a contemporary challenge or problem in science, the arts, society, human services, economic life or technology.

### **Intellectual Skills – Analytic Inquiry**

10. Identifies, categorizes and distinguishes among elements of ideas, concepts, theories and/or practical approaches to standard problems.

### **Intellectual Skills – Use of Information Resources**

11. Identifies, categorizes, evaluates and cites multiple information resources necessary to engage in projects, papers or performance in his or her program.

### **Intellectual Skills – Engaging Diverse Perspectives**

12. Describes how knowledge from different cultural perspectives would affect his or her interpretations of prominent problems in politics, society, the arts and/or global relations.

### **Intellectual Skills – Communication Fluency**

13. Presents accurate calculations and symbolic operations, and explains how such calculations and operations are used in either his or her specific field of study or in interpreting social and economic trends.
14. Presents substantially error-free prose in both argumentative and narrative forms to general and specialized audiences.

### **Applied Learning**

15. Describes in writing at least one substantial case in which knowledge and skills acquired in academic settings are applied to a challenge in a non-academic setting; applies that learning to the question; and analyzes at least one significant concept or method related to his or her course of study in light of learning outside the classroom.
16. Locates, gathers and organizes evidence on an assigned research topic addressing a course-related question or a question of practice in a work or community setting; offers and examines competing hypotheses in answering the question.

### **Civic Learning**

17. Describes his or her own civic and cultural background, including its origins and development, assumptions, and predispositions.
18. Describes diverse positions, historical and contemporary, on selected democratic values or practices, and presents his or her own position on a specific problem where one or more of these values or practices are involved.
19. Takes an active role in a community context (work, service, co-curricular activities, etc.), and examines the civic issues encountered and the insights gained from the community experience.

The Degree Qualifications Profile was adopted by CRDAP: April 11, 2012