Moberly Area Community College
Introduction to Surgical Technology SRG100
Current Term

Instructor: 
Office number: 
Office hours: 
Contact information: 
Classroom number: 
Class days and time: 

Catalog Description: SRG100 Introduction to Surgical Technology (5-2-6)
This course is designed to introduce the student to the field of surgical technology and build the foundation of skills needed to be an entry level Surgical Technologist

Total Credit Hours: 6
Theory Credit Hours: 5; Lab Credit Hours: 1
Total Clock Hours: 112
Theory Clock Hours: 80; Lab Clock Hours: 32

Prerequisite/Co-requisite:
Co-requisites: SRG110 Patient Care and Safety, SRG115 Instruments and SRG120 Clinical I

Text(s):
Surgical Technology Principles and Practice, 7th Edition, Author: Joanna Kotcher Fuller
Publisher: Elsevier, ISBN: 978-0-323-39473-4

Workbook to Surgical Technology Principles and Practice, 7th Edition, Author: Joanna Kotcher Fuller

Surgical Equipment and Supplies, 2nd Edition, Author: Colleen J. Rutherford
Publisher: F.A. Davis Company, ISBN: 978-0-803-64571-4

Other Required Materials:
Course syllabus, schedule and power points will be posted on Canvas prior to lecture.

Purpose of Course:
This course introduces the student to the field of surgical technology. Through classroom and laboratory instruction, students are shown the history of the profession, the surgical environment and the surgical technologist’s role within that setting. Concepts include: aseptic technique and surgical conscience, roles of various hospital departments within the operating room, opening and setting up the operating room for surgeries, scrubbing/gowning/gloving self and others, passing instruments, handling specimen, and disaster preparedness. Scientific concepts such as lasers, electricity, physics, and
sterilization will be covered. Students will learn how to keep themselves and their patients safe.

**Course Objectives:**
Upon successful completion of this course, students will be able to:

1. Discuss the varying roles of the surgical technologist both past and present
2. Discuss the organizations that oversee the profession of surgical technology
3. Explain the purpose of the operating room’s design
4. Describe the role integration of various hospital departments within the operating room
5. Describe environmental safety hazards within the operating room
6. Explain how physics and electricity play vital roles in surgery
7. Display proper technique for gowning and gloving themselves and others
8. Demonstrate surgical conscience
9. Practice aseptic technique when opening and setting up supplies
10. Describe different methods of disinfection and sterilization
11. Understand the concept of disaster preparedness
12. Understand case preparedness/management
13. Demonstrate proper handling of specimen and the surgical wound

**Course Content:**

**Unit 1: The Surgical Technologist**
Reading Assignment:
Surgical Technology P&P: Chapter 1

**Unit 2: The Health Care Facility**
Reading Assignment:
Surgical Technology P&P: Chapter 4
Surgical Equipment and Supplies: Review pages 10-13, 19-30

**Unit 3: Decontamination, Sterilization and Disinfection**
Reading Assignment:
Surgical Technology P&P: Chapter 10
Surgical Equipment and Supplies: Review pages 7-10

**Unit 4: Aseptic Technique**
Reading Assignment:
Surgical Technology P&P: Chapter 9
Surgical Equipment and Supplies: Review pages 1-7

Labs:
Surgical Hand Scrub
Surgical Hand Rub
Gowning Self and Others
Gloving Self and Others
Removing Sterile Attire
Opening Sterile Supplies

**Unit 5: Case Planning**
Reading Assignment:
Surgical Technology P&P: Chapter 20

Labs:
- Sterile Set Up
- Counting

**Unit 6: Managing the Surgical Wound**
Reading Assignment:
- Surgical Technology P&P: Chapter 21
- Surgical Equipment and Supplies: Review Pages 38-41, 55-70, 101-104, 113-136
Labs:
- Suture

**Unit 7: Environmental Hazards**
Reading Assignment:
- Surgical Technology P&P: Chapter 7
- Surgical Equipment and Supplies: Review Pages 35-38

**Unit 8: Energy Sources in Surgery**
Reading Assignment:
- Surgical Technology P&P: Chapter 17
- Surgical Equipment and Supplies: Review Pages 31-35, 139-144

**Unit 9: Physics and Information Technology**
Reading Assignment:
- Surgical Technology P&P: Chapter 16

**Unit 10: Disaster Preparedness**
Reading Assignment:
- Surgical Technology P&P: Chapter 37

**Connection with Health Sciences Division (HSD) Outcome Statement:**

In compliance with MACC’s HSD outcomes, the student who successfully completes this course will be able to:

**Outcome I:**
Students will demonstrate effective written and oral communication skills.

- In the lab setting, students will demonstrate communication with other surgical team members in preparation for the clinical setting. Students will label medications clearly and effectively. The student will read a surgeon preference card and apply it to an operation. Students will learn communicate effectively in an emergency.

**Outcome II:**
Students will demonstrate an understanding of discipline-related math and scientific principles.

- Students will identify different types of lasers. Students will also describe how electricity works in relation to surgical concepts. Students will discuss various
chemicals as they relate to disinfection and sterilization. Students will discuss physics and how it is applied in the operating room.

**Outcome III:**
Students will think critically while systematically assessing problems, identifying issues and implementing solutions.

- Students will use case studies to think critically and troubleshoot solutions to common issues that may occur in the operating room. In the lab setting students will identify when an item becomes contaminated and how to resolve the issue.

**Outcome IV:**
Students will apply principles of professionalism and safety standards when entering the workforce.

- Students will identify and safely handle sharps. Students will identify environmental hazards and describe how to maintain a safe workplace. The student will demonstrate infection control and use of personal protective equipment. Students will identify traits of a professional and successful surgical technologist and apply them.

**Outcome V:**
Students will demonstrate skill mastery and will pursue lifelong learning in their field while adapting to changing industry standards and following evidence-based practices.

- In the lab setting, students will perform basic skills of a surgical technologist including but not limited to hand hygiene, gowning/gloving, basic surgical set ups, and counts. The student will demonstrate how to handle sharps, medications and specimen. The student will describe the Association of Surgical Technologists. Students will describe continuing education requirements for surgical technologists.

**ASSESSMENT OF STUDENT LEARNING**

**Grade Scale:**

- A = 92-100%
- B = 83-91%
- C = 78-82%
- D = 66-77%
- F = 66 and below

Students must achieve at least a “C”/78% in order to pass the course and continue in the surgical technology program. For further information, refer to the Surgical Technology Handbook.

**Assessment:**

Learning outcomes will be measured through:
• Unit Exams
• Homework assignments and quizzes
• Lab Assessments
• Final Exam

The final grade for this course will be determined by the following:

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<thead>
<tr>
<th>Assignment</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Unit Exams</td>
<td>40%</td>
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<tr>
<td>Homework/Quizzes</td>
<td>25%</td>
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<tr>
<td>Lab Assessments</td>
<td>20%</td>
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<tr>
<td>Final Exam</td>
<td>15%</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
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Expected Study Time Commitments:

Students should expect to spend approximately 2 to 4 hours per week studying, reading, and working on assignments for each registered credit hour. For example, 6 to 12 study hours per week may be expected for a 3 credit hour class.

Description of Assignment(s)/Project(s):

Accompanying workbook will be assigned as homework with the corresponding chapter and will be announced in class and Canvas when applicable.

INSTRUCTOR POLICIES

Tardiness:

See Surgical Technology Handbook

Make-up and late work:

See Surgical Technology Handbook

Extra-credit work:

Not available

Schedule of Student Assignments/Activities:

A course schedule will be provided. This is a tentative schedule and is subject to change. Proper notice of schedule changes will be provided.

COLLEGE POLICIES

Attendance Policy: Students are expected to attend all class sessions for which they are enrolled. The College reserves the right to drop or withdraw students from courses due to lack of attendance.

Students need to be aware that dropping/being dropped from a course and their last date of attendance in the course may impact their financial aid.
MACC faculty are required to track attendance and report lack of attendance. An instructor must complete the appropriate steps to drop a student within one week following the student's violation of the attendance policy. Additionally, a student's attendance rate will be calculated based upon the first day the academic session begins (not the student's date of enrollment in the course). If a student does not attend a course as defined below, the student will be dropped as “Never Attended.”

**Term Length Drop Calculations**

16-week: Any student who misses two (2) consecutive weeks of class will be dropped from the course by the instructor unless acceptable justification is provided by the student and the student still has the opportunity to be successful in the course.

8-week: Any student who misses one (1) consecutive week of class will be dropped from the course by the instructor unless acceptable justification is provided by the student and the student still has the opportunity to be successful in the course.

4-week: Any student who misses two (2) consecutive days of class will be dropped from the course by the instructor unless acceptable justification is provided by the student and the student still has the opportunity to be successful in the course.

Intersession: Any student who misses one (1) day of class will be dropped from the course by the instructor unless acceptable justification is provided by the student and the student still has the opportunity to be successful in the course.

Acceptable justification may include, but is not limited to, family emergencies, illness or injury, college-approved co-curricular and extra-curricular activities, and religious holidays.

**Definition of Course Attendance**

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<tr>
<th>In Seat Course</th>
<th>Physically attending scheduled, face-to-face, class meetings</th>
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<tr>
<td>Virtual Course</td>
<td>Being present, via appropriate platform, for scheduled class meetings/activities</td>
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<tr>
<td><strong>Hybrid Course</strong></td>
<td>Physically attending scheduled, face-to-face, class meetings and active participation in the online portion of the course which may include any or all of the following:</td>
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<td>• Completion of quizzes or exams during class meetings and online</td>
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<td></td>
<td>• Submission of assignments during class meetings and online</td>
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<td></td>
<td>• Participation in discussions during class meetings and online</td>
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<tr>
<td><strong>Online Course</strong></td>
<td>Active participation in an online course includes the following:</td>
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</tr>
<tr>
<td></td>
<td>• Completion of quizzes or exams</td>
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<td></td>
<td>• Submission of assignments</td>
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<td>• Participation in threaded discussions</td>
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Simply logging into the Learning Management System (Canvas) and/or accessing the course and course related material does not constitute active participation for the online component of hybrid courses or for online courses. *(Policy Handbook, I.090 & M.095)*

**Academic Dishonesty:**

MACC board policy is as follows: “Academic dishonesty by students damages institutional credibility and unfairly jeopardizes honest students; therefore, it will not be tolerated in any form.” Forms of academic dishonesty include but are not limited to the following: violations of copyright law, plagiarism, fabrication, cheating, collusion, and other academic misconduct. Incidents of dishonesty regarding assignments, examinations, classroom/laboratory activities, and/or the submission of misleading or false information to the College will be treated seriously. The procedure for handling academic dishonesty is outlined in the Student Handbook *(Policy Handbook M.010)*. In cases of alleged academic dishonesty, the burden of proof is on the student, not on the instructor.

**Student Email:**

MACC Mail is the official student email system at MACC. Official college communication is sent via this email system. Students are responsible for checking their MACC Mail account regularly. Students may also receive notifications and reminders from MACC through the online learning platform. However, students should remain aware that the online learning platform messaging system and MACC Mail (student email) system are two separate systems.

**ADA Statement:**

Students who have disabilities that qualify under the Americans with Disabilities Act may register for assistance through the Office of Access and ADA Services. Students are invited to contact the Access Office to confidentially discuss disability information, academic accommodations, appropriate documentation and procedures. For more information, please call either the Moberly office at (660) 263-4100 x 11240 or the Columbia office at (573) 234-1067 x 12120, or visit our web page at [http://www.macc.edu/index.php/services/access-office](http://www.macc.edu/index.php/services/access-office).
Title IX Statement:

MACC maintains a strict policy prohibiting sexual misconduct in any form, including sexual harassment, sexual discrimination, and sexual violence. All MACC employees, including faculty members, are considered mandated reporters of sexual misconduct and as such are expected to contact the Title IX Coordinator when they become aware, in conversation or in writing, of an incident of sexual misconduct. For more information on this policy or to learn about support resources, please see http://www.macc.edu/sexual-misconduct-policy or contact Cheryl Lybarger, MACC’s Title IX Coordinator, at 660-263-4110, ext. 11369 or cheryll@macc.edu.