

Montgomery College
Surgical Technology Program
SURG 201/201L Surgical Technology I Syllabus

Course Title: SURG 101 Surgical Technology I 6 credit hours

Lecture: 4 hours **Lab:** 4 hours

Class: August 30, 2018 – December 13, 2018

Finals Week: December 11-15, 2018

SURG 101 CRN: 22024

SURG 101L CRN: 22026/26761

Instructor Information

Class Instructor: Shaakira Scott, CST/ Shaakira.Scott@montgomerycollege.edu

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Lab Instructor: Anjel Jaxen, CST & Shaakira Scott, CST

Office: Montgomery College, Health Science Center #358 Silver Spring Takoma Park Campus

Important Student Information Link

In addition to course requirements and objectives that are in this syllabus, Montgomery College has information on its web site (see link below) to assist you in having a successful experience both inside and outside of the classroom. It is important that you read and understand this information. The link below provides information and other resources to areas that pertain to the following: student behavior (student code of conduct), student e-mail, the tobacco free policy, withdraw and refund dates, disability support services, veteran services, how to access information on delayed openings and closings, how to register for the Montgomery College alert System, and finally, how closings and delays can impact your classes. If you have any questions please bring them to your professor. As rules and regulations change they will be updated and you will be able to access them through the link. If any student would like a written copy of

these policies and procedures, the professor would be happy to provide them. By registering for this class and staying in this class, you are indicating that you acknowledge and accept these policies.

<http://cms.montgomerycollege.edu/mcsyllabus/>

Course Description

SURG 201 is the study of actual surgical procedures and intraoperative performance. It combines pathology, anatomy, and physiology and a step-by-step process of specific surgical procedures to provide the student with a broad knowledge base and the skills needed to perform as a surgical technologist. Students will gain an understanding of the roles and responsibilities of the surgical technologist and reflect the dynamic professional process that is needed in operating room endeavors. Correlates intraoperative procedures with postoperative care.

General Course Information:

This traditional course meets on campus on Tuesdays 9:00am – 12:20pm for didactic and 1:00pm-4:20pm for lab instruction.

The course consists of fifteen on campus class and lab sessions. The course is designed in a specific sequence to prepare you to anticipate the needs of the surgeon and care for the surgical patient. You must know how to assess situations in the operating room. To do this you will have to develop critical thinking skills to competently assist the surgeon and in your role in the perioperative routines. It is important that you follow the sequence to master your course objectives.

Course Objectives:

#	Upon completion of this course a student will be able to
1.	Describe the role of the Surgical Technologist with the trauma patient.
2.	Discuss possible intraoperative complications and immediate postoperative care.
3.	Discuss preoperative preparation procedures.
4.	Discuss the purpose and expected outcomes of surgery.
5.	Explain diagnostic procedures and test as they relate to specific surgical procedures.

#	Upon completion of this course a student will be able to
6.	Explain usage and administrations of medications and drugs as they relate to specific surgical procedures.
7.	Identify and demonstrate use of instruments and equipment needed for specific surgical procedures noted in outcome #1.
8.	Identify needs specific to geriatric and pediatric patients during surgery.
9.	Identify principles and procedures related to aspesis, disinfection and sterilization.
10.	Perform mock procedures in General Surgery, Gastrointestinal Surgery, Genitourinary Surgery, Otorhinolaryngologic Surgery, Obstetrics and Gynecological Surgical Surgery, and Ophthalmic Surgery.
11.	Discuss the perioperative duties of the assistant circulator.
12.	Discuss the OR documentation to be completed by the assistant circulator.
13.	Demonstrate the duties of the assistant circulator including completing of documentation.
14.	Relate pathophysiology to surgical interventions.
15.	Analyze the relationship between cell pathology and disease.
16.	Examine hemodynamic disorders, inflammation and infection.
17.	Compare and contrast the various surgical pathologies of each body.

Text & Supplies

Surgical Technology- Principles and Practice

Author: Joanna Kotcher Fuller

Sixth Edition

ISBN: 9781455725069

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Author: Joanna Kotcher Fuller

Students must earn a 'Satisfactory' grade in lab competencies to pass the course.

Appealing a Grade

If you do not agree with a grade you received on any course assignment, lab assignment, homework, case study, or exam you will have one week to contest that grade from the date the grade was posted.

Course Policies

Late Assignments will received a 20% reduction in grade and will not be accepted after one week of the posted deadline.

Make-up Exam Policy

No make-up exams will be given unless you present a physician's note, proof of court appearance, or concurring documentation. If you know there are circumstances that will prevent you from being present on an exam date you need to make prior arrangements with your instructor. All approved makeup exams must be made up within one week of the original scheduled exam time.

Exam Review Policy

Exams will be given on campus. Students will have the opportunity to review and discuss exams directly after taking the exam. Exams may be reviewed in person during scheduled on campus office hours which are posted at the beginning of this syllabus.

Important Links for Students

(Updated April 2, 2015)

Academic calendar. When is Spring break? When are midterm exams? When does the Spring semester begin?

<http://cms.montgomerycollege.edu/edu/department2.aspx?id=16456>

ADA Information and Compliance:

<http://cms.montgomerycollege.edu/edu/Department.aspx?id=53990>

Alert Montgomery System. Sign up for Alert Montgomery the official emergency communications service for Montgomery County, MD. During a major crisis, emergency or severe weather event, Montgomery County officials can send event updates, warnings and instructions directly to you on any of your devices.

<https://member.everbridge.net/index/1332612387832009#/login>

Code of Conduct. If you have questions regarding behavioral expectations:

<http://cms.montgomerycollege.edu/WorkArea/DAsset.aspx?id=35945>

Counseling & Advising. Academic advising and short term counseling.

<http://cms.montgomerycollege.edu/edu/secondary1.aspx?urlid=4>

Disability Support Services. If you are requesting a reasonable accommodation related to a disability:

<http://cms.montgomerycollege.edu/edu/secondary5.aspx?urlid=52>

Forms: graduation, involuntary withdraw, change of major, appeals.

<http://cms.montgomerycollege.edu/edu/department2.aspx?id=10072>

Learning Centers and Academic Support Centers. If you are a student who would benefit from tutoring and/or support in reading, writing languages, mathematics, Science, and Technology: <http://cms.montgomerycollege.edu/learningcenters/>

Safety, Security, & Emergency Operations Plan. Contacts for security offices, Emergency guidelines & procedures, evacuations, Montgomery College Alert, Emergency Guidelines for Individuals with Disabilities,

<http://cms.montgomerycollege.edu/edu/plain2.aspx?id=4087>

Sexual Harassment or Discrimination. Office of Equity and Diversity.

<http://cms.montgomerycollege.edu/edu/Department2.aspx?id=65693>

Compiled by Jay Marciano, Faculty Council & TP/SS Faculty Senate Chair, April 2, 2015

Attendance Policy

Students are expected to attend every class. If you will not be present please advise your instructor prior to the start of class when possible. In cases involving excessive absences from class, the instructor may drop the student from the class. An excessive absence is defined as one more absence than the number of classes per week during a fall, spring, or summer semester; the number of absences is pro-rated for accelerated sessions. Students are expected to attend every class.

Withdrawal and Refund Dates

“It is the student’s responsibility to drop a course. Non-attendance of classes or failure to pay does not constitute official withdrawal. It is recommended that faculty either specify the drop deadline date on the syllabus or provide the student with the following directions.

To view specific drop deadlines

1. Log into your MyMC account:
2. Click on “My Class Schedule” under Student Quick Links
3. Select the current term
4. Click on “View Drop Deadline Dates” at the bottom of the page”

Audit Policy

All students registered for auditing a class are required to consult with the instructor before/during the first class session in which they are in audit status. Students are required to participate in all course activities not including exams unless otherwise agreed upon by the student and instructor at the time of consultation.

Failure to consult with the instructor or to so participate may result in the grade of “W” being awarded. This action may be taken by the instructor by changing the “AU” to “W” before the drop with “W” date.

Delayed Opening or Closing of the College

In instances of inclement weather, utility failure or other reasons, it may be necessary to delay opening or suspend all operations of the College or an individual campus. In the event that the College is closed due to unforeseen circumstance please check the MC website, local TV and radio for school closures.

Students are strongly encourage to check MC internal communication systems when the College is closed.

Students must sign up for Montgomery College Alert.

<http://cms.montgomerycollege.edu/EDU/Plain2.aspx?id=4106>

Closings or delays are also usually highlighted in red on the Montgomery College website homepage.

Also check your Montgomery College email for closings, delays and updates.

If the college is **not closed** students who are experiencing power outages should contact me. If the college is closed all on-campus activities are cancelled. However

you will be expected to complete and stay up to date on assignments for that class period.

Communication

The Montgomery College e-mail account is the official means of communication between the faculty member and the student. It is the student's responsibility to check their MC e-mail for College and class information. It is recommended that you check this account frequently for official communication. Some items you may find there are: course announcements, invoices, important admission/registration information. This email does allow a forwarding option for you to automatically receive these emails into an inbox that you do check frequently. However, it is still the students responsibility to check their email regularly.

To check your e-mail, log into your MyMC online account and locate the e-mail icon in the upper right hand corner of the page.

Face to Face lab sessions follow a given structure, as follows:

- Case Study/BSI review and discussion
- Question/answer session.
- You will then view a video of the procedure.
- Surgical procedure demo where skills, techniques and protocols will be emphasized and specific questions will be answered about the 'first scrub role' for each surgical procedure.
- Return demonstration by the student, practice and one on one instruction. Skills for the Surgical Technologist in the first scrub role and assistant circulator role will be introduced and practiced.
- Case Studies are due at the beginning of lab when assigned.
- Competency check offs will be announced by the lab instructor.

Full attendance for didactic and lab hours required. Three points will be deducted from the final grade for every unexcused absence. The SURG program adheres to the Montgomery College attendance policy.

COURSE SCHEDULE

Check assignments weekly

Faculty reserves the right to modify course content and evaluation procedures as deemed necessary. The schedule, assignments, and dues dates are subject to change.

Week/ Date	Readings / Topics	Assignments
Week 1 8/30	Chapter 23 General Surgery	1. Read part I & II. 2. Start Ch. 23 in workbook 5. Attend lab. <ul style="list-style-type: none"> • Prepare for clinical practicum. • Review sutures, staplers, drains, and surgical dressings.
Week 2 9/06	Chapter 23 General Surgery	1. Read part III 2. Complete any remaining assignments from workbook. 3. Attend weekly lab session: <ul style="list-style-type: none"> • Surgical Procedure: BSI Laparoscopic Cholecystectomy
Week 3 9/13	Chapter 23 General Surgery	1. Read part IV 2. Answer Review Questions 3. Attend lab. <ul style="list-style-type: none"> • Surgical Procedure: BSI Laparoscopic Gastric Bypass • Clinical BSI
Week 4 9/20	Chapter 23 General Surgery Completion and exam review	1. Start reading Ch. 25 Gynecological & Obstetrics Surgery 2. Complete all key terms & labeling in workbook Ch. 25 3. Attend Lab. <ul style="list-style-type: none"> • Surgical procedure: BSI Small Bowel Resection <p>Clinical BSI</p>

<p>Week 5 9/27</p>	<p>Exam #1 General Surgery</p> <p>Gynecological and Obstetrical Surgery</p>	<p>1. Complete short answer and matching I & II in workbook. 2. Attend Lab</p> <p>Surgical procedure: BSI Total Mastectomy with axillary node dissection</p> <p>Clinical BSI</p>
<p>Week 6 10/04 On Campus Exam</p>	<p>Chapter 25 Gynecological and Obstetrical Surgery</p> <p>Mid Term Evaluation</p>	<p>1. Complete Case Study in Workbook Ch. 25. 2. Attend Lab.</p> <ul style="list-style-type: none"> • Surgical procedure: BSI Laparoscopic Nissen fundoplication <p>Clinical BSI</p>
<p>Week 7 10/11</p>	<p>Chapter 25 Gynecological and Obstetrical Surgery</p>	<p>1. Answer Review Questions Ch. 25 2. Attend Lab.</p> <ul style="list-style-type: none"> • Surgical Procedure: BSI Abdominal Hysterectomy <p>Clinical BSI</p>
<p>Week 8 10/18</p>	<p>Chapter 27 Ophthalmic Surgery</p>	<p>1. Complete key terms and labeling in workbook Ch. 27. 2. Attend Lab.</p> <ul style="list-style-type: none"> • Surgical Procedure: BSI Cataract Extraction *** <p>Clinical BSI</p>
<p>Week 9 10/25</p>	<p>Chapter 27 Ophthalmic Surgery</p>	<p>1. Complete short answer & matching in workbook Ch. 27. 2. Attend Lab. Open Lab</p> <p>Clinical BSI</p>

<p>Week 10 11/01</p>	<p>Exam #2 CH 25 & 27</p> <p>Chapter 28 Surgery of the Ear, Nose Pharynx, and Larynx (Otorhinolaryngology/ ENT)</p>	<p>1. Start workbook Ch. 28.</p> <p>2. Attend Lab.</p> <ul style="list-style-type: none"> • BSI-Septoplasty <p>Clinical BSI</p>
<p>Week 11 11/08</p>	<p>Chapter 28 Surgery of the Ear, Nose Pharynx, and Larynx (Otorhinolaryngology/ ENT)</p>	<p>1. Complete Workbook Ch. 28.</p> <p>2. Attend Lab.</p> <p>Surgical procedure:</p> <ul style="list-style-type: none"> • BSI-Thyroidectomy <p>Clinical BSI</p>
<p>Week 12 11/15</p>	<p>Ch. 26 Genitourinary Surgery</p>	<p>1. Start Ch. 26 Workbook</p> <p>2. Attend Lab.</p> <ul style="list-style-type: none"> • Surgical procedure: BSI Suprapubic Prostatectomy <p>Clinical BSI</p>
<p>Week 13 11/22</p>	<p>College Closed on Thurs.</p>	<ul style="list-style-type: none"> • Thanksgiving Holiday
<p>Week 14 11/29</p>	<p>Ch. 26 Genitourinary Surgery</p>	<p>1. Complete Ch. 26 Workbook</p> <p>2. Attend Lab.</p> <p>Surgical Procedure:BSI-TURP</p> <p>Clinical BSI</p>

Week 15 12/06	Exam #3 Ch. 26 & 28 Final Review	1. Review 2. Lab: Make Ups Surgical Procedure: Open Nephrectomy
Week 16 12/13	Comprehensive Final 12/14	