

# SURGICAL TECHNOLOGY PROGRAM

## Course Syllabus

### Fundamentals of Surgical Technology

Fall 2002

1. Course Number:
2. Course Title: Fundamentals of Surgical Technology
3. This course is designed to provide the student with the theory necessary to function as an entry-level surgical technologist. The student will learn to establish, maintain and coordinate the methods required for good patient care in the operating room.  
  
Patient's needs, preoperative, intraoperative, postoperative needs will be taught as well as sutures, needles, and staples. Principles of sterilization will also be taught.
4. A course requirement for: Surgical Technology Program
5. Primary Purpose: To provide the student with the skills and knowledge necessary to define and evaluate job tasks, principles of aseptic technique, safe patient care and interpersonal relationships as they relate to other surgical team members.
6. Requirement for: Certificate of Proficiency
7. Relationship of course to district objectives: To maintain an effective program, which will provide the student with resources to develop skills necessary to achieve their educational goals and to offer a certificate that provides the student with a marketable career in the health care field.
8. Course Prerequisites: Admission to (name of school) and admission to the Surgical Technology Program.
9. Course Co-requisites:
10. Projected Enrollment: 14 students
11. This course will meet on Wednesday-Friday mornings from 8:30 a.m.-9:20 a.m.
12. Anticipated Frequency of Course Offerings: Fall semester only

## **Learning Objectives**

Upon completion of this course the student will be able to:

1. Define the role of the Surgical Technologist and other surgical team members.
2. Understand the principle of aseptic technique
3. Define the processes of antisepsis, disinfection and sterilization.
4. Identify needs of the surgical patient (physical, psychosocial, spiritual).
5. Apply the principles of surgical conscience.
6. Understand basic knowledge of perioperative care of the surgical patient.
7. Function as a team member by showing consideration for and cooperation with other team members.
8. Understand the principles of anesthesia.
9. Gain a working knowledge of sutures, needles and staples.
10. Define the principles of organ procurement.

## **Course Outline:**

September 17-20	Biosocial needs Special needs
September 24	<b>Chapter Exam</b>
September 25	Preoperative routines
September 26-October 1	Anesthesia
October 2	<b>Chapter Exam</b>
October 3	Positioning
October 4	No School
October 8	Positioning
October 9-10	Prepping

October 11	<b>Chapter Exam</b>
October 15	Review
October 16	<b>Unit Exam</b>
October 17	vital signs
October 18	hemodynamics Monitoring
October 22	Thermoregulation
October 23	anaphylactic reaction Hemolytic reaction
October 24	Malignant hyperthermia
October 25	No school
October 29	Cardiac arrest
October 30	<b>Chapter Exam</b>
October 31-November 6	sutures
November 7	meeting at Tan Tar A
November 8	sutures
November 12-13	needles
November 14-15	staples
November 19	<b>Chapter Exam</b>
November 20	discharge PACU
November 21-22	Organ procurement
November 26	<b>Unit Exam</b>
December 3	disinfection
December 4-6	sterilization

December 10	work on presentations
December 11	<b>Chapter exam</b>
December 12	review Work on presentations
December 13-19	oral presentations
December 20	<b>Final Exam</b>

The above schedule may change to accommodate student-learning needs.

Classroom handouts with specific objectives, readings and other assignments may accompany each lesson.

### **Teaching Methods**

1. Lecture
2. Discussion
3. Textbooks
4. Handouts
5. Group projects
6. Audio-visual
7. Computer programs

### **Rubric**

<u>Task</u>	<u>Total Points Possible</u>	
Chapter exams (100 pts. each)	600	
Unit exams (100 pts. each)	200	
Quizzes	aprx. 300	A=93-100%
Final exam	300	B=83-92%
Group work	aprx. 300	C=75-82%
Homework	aprx. 200	
Oral presentation	100	
Written MHA report	35	
Aprx. Total 1735		

### **Exams**

Chapter exams will be for material in that chapter only. Unit exams will be comprehensive from the beginning of the semester. Quizzes may be given periodically throughout the semester.

Make-up tests **must** be taken within three (3) days of the students return to school or zero points will be awarded.

Test results will be returned to the student within one week from the day the test is given. Review of test will be given during class time or on an individual basis.

### **Attendance**

Students are expected to follow the policies set forth in the Surgical Technology Handbook. Students can receive one bonus point each day if they are in attendance for the entire class.

### **Participation**

Active participation through group projects and daily discussion will be utilized. The amount of points awarded will vary with each given task.

### **Homework**

All homework should be turned in on time. Points will be deducted for each day that it is late.

- 1 day late=5% deduction
- 2 days late=8% deduction
- 3 days late=10% deduction
- 4 or more days late=50% deduction

### **Oral presentation**

See attached rubric

### **Text, Reference, Supplementary material**

Required: Price, P. (Ed.). (2004). Surgical technology for the surgical technologist: A positive care approach (2<sup>nd</sup> ed.). Albany, NY: Thomson Delmar Learning.

Anderson, D. M. (Ed.). (2002). Mosby's medical, nursing, & allied health dictionary (6<sup>th</sup> ed.). St. Louis: Mosby.

Additional reference materials are available in the school library.

**Office hours-instructor**

(name of instructor and contact information)

Rubric for oral presentation for  
Fundamentals of Surgical Technology

Task	points possible	your points
Topic approved by instructor	5	
Topic clearly stated	5	
Teamwork	20	
Voice/delivery	15	
Relevance to surgery	15	
Informative/creative (effective use of visual aids)	30	
Outline	10	
<div style="display: flex; justify-content: space-between;"> <span>Typed, copies available for instructor and all students</span> <span style="text-align: right;">Total 100</span> </div>		

Students will work in teams of 2. You may choose your partner. If we have an odd number in the class one team of three will be allowed. Topics will be presented to the class during the final week of the semester. Each group will be allowed 15-30 minutes for their presentation.

November 15, 2002	deadline to approve topic and group with instructor
December 13-20, 2002	presentations

In the event that school is cancelled on the day you are scheduled to present you will be expected to present on the next day back in class.



Rubric for written MHA report

<u>Task</u>	<u>points possible</u>	<u>your points</u>
Answer the following questions:		
1. What are the two most important things you learned from the speakers?	10	
2. How will you use this information as a Surgical Technologist?	5	
Write a test question based on the information in the presentation.	5	
Proper grammar	5	
Proper medical terminology	5	
<u>Format (typed, double spaced, 12-font, 1 page min.)</u>	<u>5</u>	
	Total	35

This is due on Tuesday.