



ST 2 &
ST 222

Course Syllabus

Mission Statement

SVSTI is committed to the success of our students by providing the curriculum and skills to pursue their goals of becoming active, sought after participants in the medical community. We are dedicated to helping students master communication skills, critical thinking, respect, accountability and personal responsibility. We support our students, educators, and our community by providing a safe environment, qualified graduates, and financially viable programs in the evolving field of medicine.

Course Information

Course Title: Surgical Technology

Course Code: ST2 (online) & ST222 (lab)

Semester Credit Hours (Units): 18 Credit Hours

Lecture Hours: 240 hours (10 Credits)

Lab Hours: 192 hours (8 Credits)

Total Hours: 432 hours

Prerequisites: High School Diploma or GED equivalent, SPD101(or Sterile Processing Tech with experience), ST1/ST111

Textbooks

[Surgical Instrumentation, 2e](#)

[Surgical Technology for the Surgical Technologist: A Positive Care Approach, 5e](#)



[Surgical Mayo Setups, 2e](#)

[Fundamental of Anatomy and Physiology, 4E](#)

[Medical Terminology for The Health Professions, 7e](#)

[Practical Pharmacology for the Surgical Technologist, 1e](#)

[Understanding Human Behavior: A Guide for Health Care Professionals, 5e](#)

Course Description

Hybrid Course; This course provides extensive study of the human body including basic chemistry, cells, tissues, membranes and organs; the integumentary, skeletal, muscular, sensory and nervous systems, circulatory, lymphatic, respiratory, digestive, endocrine, urinary and reproductive systems. This course also provides in-depth study of minimally invasive surgery (MIS) and Robotics. This course provides extensive study of the circulatory, lymphatic, respiratory, digestive, urinary, and reproductive systems. This course also provides in-depth study of surgical specialties (genitourinary, thoracic, cardiac, peripheral vascular, orthopedic, pediatric, and trauma)

Step by step procedures are presented as are instrumentation and anesthesia in these specialties.

Instructional Objectives

Your instructor will communicate the instructional objectives to you at each lesson or in your weekly assignment on Cengage.
This Program is the hands-on application of the concepts and theory studied in Cengage & MindTap. Students learn and apply the basic principles of aseptic technique, basic surgical sanitation, disinfection and sterilization. The focus will be on surgical instrumentation preparation and sterilization; proper technique for surgical hand scrub, gowning, gloving, sterile field set-up and maintenance. Identification of instrumentation by function and use; draping, equipment names and use, safety precautions, and introduction to surgical procedures. Demonstrate proficiency in intermediate surgical skills to include surgical case management, identify and correct sterility breaks, set up in appropriate time, and complete case in a logical sequence. Intermediate surgical procedures; application of fundamental concepts of Surgical Technology, preparation of the patient in surgery, pre-op and post-op duties, patient positioning, intermediate instrumentation, suture use and identification, drain use and identification.

Course Objectives:

1. Students will demonstrate skills in checking package integrity
2. Students will demonstrate skills in labeling all solutions/meds
3. Students will demonstrate basic instrumentation knowledge
4. Students will demonstrate skills in loading and passing sharps/sutures
5. Students will demonstrate skills in performing steps in a logical sequence
6. Students will demonstrate skills in identify/correct sterility breaks & aseptic technique
7. Students will demonstrate skills in opening supplies
8. Students will demonstrate skills in gowning and gloving
9. Students will demonstrate skills in draping patient
10. Students will demonstrate skills in passing instruments



11. Students will demonstrate suture knowledge
12. Students will demonstrate organizational skills
13. Students will demonstrate case/count knowledge and use
14. Students will demonstrate skills in back table/mayo set up
15. Students will demonstrate skills in field and table clean up
16. Students will demonstrate skills cooperation/attitude/initiative
17. Advanced Surgical Procedures

ISLO SVSTI's Institutional Student Learning Outcomes illustrate the entire institution's commitment to ensuring that all graduates demonstrate proficiency in the following: **1. Critical Thinking 2. Collaboration 3. Communication 4. Professionalism**

PSLO Programmatic Student Learning Outcomes are listed below:

1. Upon completion of this course students will be able to identify the principles of aseptic technique
2. Demonstrate the skills and knowledge required to be a competent surgical technologist in a variety of settings, including hospitals, outpatient surgical facilities and other appropriate sites
3. Demonstrate critical thinking, information management, personal and professional development, communication skills, and respect and responsibility

Student Learning Outcomes SVSTI course content is developed in alignment with specific Student Learning Outcomes (SLO).

Upon completion of this course students will be able;

1	Perform fundamental concepts of intermediate procedures, patient positioning, and surgical draping (Psychomotor)
2	Identify instruments/equipment/supplies needed for the surgical procedure (Psychomotor)
3	Demonstrate responsibility, self-discipline, and surgical conscience & communication to the surgical team (Affective)
4	Apply basic understanding of Anatomy & Physiology & appropriate medical terminology. (Cognitive)



Course Specific Requirement

You must pass this course with an overall score of 70% or above. SVSTI's absence policy will be adhered to – please see your catalog for details, as this can affect your grade.

Please contact your instructor as soon as possible if you require any type of support during the course – we are all here to help you be a successful student.

LETTER GRADE EARNED	PERCENTAGE RANGE
A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	Below 60%

The above table informs you of the % points you need to achieve to earn the related letter grade in each subject area.

Dress Code

- No facial jewelry (except post earrings), no hand jewelry in lab.
- No perfumes, colognes or strong scents.
- No nail polish (including clear), no artificial nails.
- Wear Black Scrubs
- No unnatural hair colors

Course Schedule

First day of class:

Days of class:

Time of class:

Week	SLO, Topic	Reading	Assignment & Due Date
1	ISLO 1-4 PSLO 1-3 SLO 1-4 <i>Online</i>		
	AST- Biomedical Science & Minimally Invasive Surgery. Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 6	Monday at 12pm
	Microbiology-Microbial Disease Transmission. Microbiology for Surgical Technologist	Chapter 9	Monday at 12pm

2	Human Behavior-Understanding Human Behavior: A Guide for Health Care Professionals	Chapter 1-3	Monday at 12pm
	Pharmacology-Practical Pharmacology for the Surgical Technologist	Chapter 1	Monday at 12pm
	Lab		
	Lab Evaluation Week 1	Medication Labeling & Syringe Passing	Thursday's
	Medical Terms	25 words on Canvas	Tuesday's
	ISLO 1-4 PSLO 1-3 SLO 1-4		
	Online		
	AST- Emergency Situations & All- Hazards Preparation. Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 8	Monday at 12pm
	Microbiology-Microbial Disease Transmission Cont. Microbiology for Surgical Technologist	Chapter 9	Monday at 12pm
	Human Behavior-Understanding Human Behavior: A Guide for Health Care Professionals	Chapter 1-3	Monday at 12pm
Pharmacology-Practical Pharmacology for the Surgical Technologist	Chapter 2	Monday at 12pm	
Lab			
Lab Evaluation Week 2	Lithotomy, Upper & Lower Extremity Draping	Thursday's	
Medical Terms	25 words on Canvas	Tuesday's	

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Case Study

Thyroidectomy

Tuesday's

Chapter Quiz

AST Chapter 6

Wednesday's

ISLO 1-4
PSLO 1-3
SLO 1-4

Online

AST-Surgical Pharmacology & Anesthesia. Surgical Technology for the Surgical Technologist: A Positive Care Approach

Chapter 9

Monday at 12pm

Microbiology-Parasites & Vectors. Microbiology for Surgical Technologist

Chapter 10

Monday at 12pm

Human Behavior-Understanding Human Behavior: A Guide for Health Care Professionals

Chapter 1-3

Monday at 12pm

Pharmacology-Practical Pharmacology for the Surgical Technologist

Chapter 3

Monday at 12pm

Lab

Lab Evaluation Week 3

Surgical Skin Prep, Dressing Identification

Thursday's

Chapter Quiz

AST Chapter 8

Wednesday's

Medical Terms

25 words on Canvas

Tuesday's

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ISLO 1-4
PSLO 1-3
SLO 1-4

Online

AST-Genitourinary Surgery. AST
Surgical Technology for the Surgical
Technologist: A Positive Care
Approach

Chapter 20

Monday at 12pm

A&P- The Urinary System.
Fundamental of Anatomy and
Physiology

Chapter 18

Monday at 12pm

Microbiology-Parasites & Vectors cont.
Microbiology for Surgical Technologist

Chapter 10

Monday at 12pm

Medical Terminology-The Urinary
System. Medical Terminology for The
Health Professions

Chapter 9

Monday at 12pm

Surgical Instrumentation-Urologic
Instrumentation. Surgical
Instrumentation

Chapter 9

Human Behavior-Understanding
Human Behavior: A Guide for Health
Care Professionals

Chapter 4-8

Monday at 12pm

Monday at 12pm

Lab

Lab Evaluation Week

**Drawing Medication
from a vial**

Thursday's

Case Study

Nephrectomy

Tuesday's

Medical Terms

25 words on Canvas

Tuesday's

Chapter Quiz

AST Chapter 9

Wednesday's

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ISLO 1-4
PSLO 1-3
SLO 1-4

Online

AST-Genitourinary Surgery cont. AST Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 20	Monday at 12pm
A&P-The Urinary System Cont. Fundamental of Anatomy and Physiology	Chapter 18	Monday at 12pm
Microbiology-Mycology. Microbiology for Surgical Technologist	Chapter 11	Monday at 12pm
Medical Terminology-The Urinary System Cont. Medical Terminology for the Healthcare Professions	Chapter 9	Monday at 12pm
Human Behavior-Understanding Human Behavior: A Guide for Health Care Professionals	Chapter 4-8	Monday at 12pm
Pharmacology-Practical Pharmacology for the Surgical Technologist	Chapter 4	Monday at 12pm

Lab

Lab Evaluation Week 5	Patient Transfer	Thursday's
Medical Terms	25 words on Canvas	Tuesday's
Chapter Quiz	AST Chapter 20	Wednesday's

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ISLO 1-4
PSLO 1-3
SLO 1-4

Online

AST-Orthopedic Surgery. AST Surgical Technology for the Surgical	Chapter 21	Monday at 12pm
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	Technologist: A Positive Care Approach		
	A&P-The Skeletal System. Fundamental of Anatomy and Physiology	Chapter 7	Monday at 12pm
	Surgical Instrumentation- Basic Bone & Joint Instrumentation. Surgical Instrumentation	Chapter 10	Monday at 12pm
	Microbiology-Gram-Positive Cocci. Microbiology for Surgical Technologist	Chapter 12	Monday at 12pm
	Medical Terminology-The Skeletal System. Medical Terminology for the Health Professions	Chapter 3	Monday at 12pm
	Human Behavior-Understanding Human Behavior: A Guide for Health Care Professionals	Chapter 4-8	Monday at 12pm
	Lab	Avagard	
	Lab Evaluation Week 6	25 words on Canvas	Thursday's
	Medical Terms	ORIF Radius Fracture	Tuesday's
	Case Study	AST Chapter 20-1	Tuesday's
	Chapter Quiz		Wednesday's
7	ISLO 1-4 PSLO 1-3 SLO 1-4		
	Online		
	AST- Orthopedic Surgery cont. AST Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 21	Monday at 12pm
	A&P The Articular System. Fundamental of Anatomy and Physiology	Chapter 8	Monday at 12pm
	Microbiology-Gram-Positive Bacilli. Microbiology for Surgical Technologist	Chapter 13	Monday at 12pm

Medical Terminology-The Skeletal System Cont. Medical Terminology for the Healthcare Professions	Chapter 3	Monday at 12pm
Human Behavior-Understanding Human Behavior: A Guide for Health Care Professionals	Chapter 9-12	Monday at 12pm
Pharmacology-Practical Pharmacology for the Surgical Technologist	Chapter 5	Monday at 12pm

Lab

Lab Evaluation Week 7

Medical Terms

Chapter Quiz

Mid Term Mocks

25 words from Canvas

AST Chapter 21

Thursday's

Tuesday's

Wednesday's

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ISLO 1-4
PSLO 1-3
SLO 1-4

Online

AST- Ophthalmic Surgery. AST Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 16	Monday at 12pm
A&P The Articular System Cont. Fundamental of Anatomy and Physiology	Chapter 8	Monday at 12pm
Microbiology-Actinobacteria. Microbiology for Surgical Technologist	Chapter 14	Monday at 12pm
Medical Terminology-The Special Senses: Eyes and Ears. Medical Terminology for the Healthcare Professions	Chapter 11	Monday at 12pm
Surgical Instrumentation-Microsurgery Instrumentation. Surgical Instrumentation	Chapter 14	Monday at 12pm

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Human Behavior-Understanding Human Behavior: A Guide for Health Care Professionals	Chapter 9-12	Monday at 12pm
Lab		
Lab Evaluation Week 8	Mid-Term Evaluation	Thursday's
Case Study	Knee Arthroscopy	Tuesday's
Medical Terms	25 words on Canvas	Tuesday's
Chapter Quiz	AST Chapter 21-1	Wednesday's
ISLO 1-4 PSLO 1-3 SLO 1-4		
Online		
AST- Ophthalmic Surgery cont. AST Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 16	Monday at 12pm
A&P The Blood. Fundamental of Anatomy and Physiology	Chapter 13	Monday at 12pm
Microbiology- Gram-Negative Cocci & Spirochetes. Microbiology for Surgical Technologist	Chapter 15	Monday at 12pm
Medical Terminology- The Special Senses: Eyes and Ears cont. Medical Terminology for the Healthcare Professions	Chapter 11	Monday at 12pm
Human Behavior-Understanding Human Behavior: A Guide for Health Care Professionals	Chapter 9-12	Monday at 12pm
Pharmacology-Practical Pharmacology for the Surgical Technologist	Chapter 6	Monday at 12pm

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Lab

Lab Evaluation Week 9

Passing off cords

Thursday's

Medical Terms

25 words on Canvas

Tuesday's

Chapter Quiz

AST Chapter 16

Wednesday's

ISLO 1-4
PSLO 1-3
SLO 1-4

Online

AST-Otorhinolaryngologic Surgery.
AST Surgical Technology for the
Surgical Technologist: A Positive Care
Approach

Chapter 17

Monday at 12pm

A&P- The Respiratory System.
Fundamental of Anatomy and
Physiology

Chapter 17

Monday at 12pm

Microbiology- Gram-Negative Bacilli &
Coccobacilli. Microbiology for Surgical
Technologist

Chapter 16

Monday at 12pm

Medical Terminology-The Respiratory
System. Medical Terminology for the
Healthcare Professions

Chapter 7

Monday at 12pm

Human Behavior-Understanding
Human Behavior: A Guide for Health
Care Professionals

Chapter 13-15

Monday at 12pm

Pharmacology-Practical Pharmacology
for the Surgical Technologist

Chapter 7

Monday at 12pm

Lab

Lab Evaluation Week 10

**Suture Loading &
Passing/ Suture
Identification**

Thursday's

Case Study

Tuesday's

11	Medical Terms	Tonsillectomy & Adenoidectomy	
	Chapter Quiz	25 words on Canvas	Tuesday's
		AST Chapter 16-1	Wednesday's
	ISLO 1-4 PSLO 1-3 SLO 1-4		
	Online		
	AST-Otorhinolaryngologic Surgery cont. AST Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 17	Monday at 12pm
	A&P The Respiratory System Cont. Fundamental of Anatomy and Physiology	Chapter 17	Monday at 12pm
	Microbiology- Disease of the Circulatory and Central. Microbiology for Surgical Technologist	Chapter 17	Monday at 12pm
	Medical Terminology-The Respiratory System Cont. Medical Terminology for the Healthcare Professions	Chapter 7	Monday at 12pm
	Human Behavior-Understanding Human Behavior: A Guide for Health Care Professionals	Chapter 13-15	Monday at 12pm
	Pharmacology-Practical Pharmacology for the Surgical Technologist	Chapter 8 & 9	Monday at 12pm
Lab			
Lab Evaluation Week 11	Multiple Sets	Thursday's	
Medical Terms	25 words on Canvas	Tuesday's	
Chapter Quiz	AST Chapter 17	Wednesday's	
ISLO 1-4 PSLO 1-3 SLO 1-4			
Online			

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AST Oral & Maxillofacial Surgery. AST Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 18	Monday at 12pm
A&P- The Cardiovascular Circulatory System. Fundamental of Anatomy of Physiology	Chapter 14	Monday at 12pm
Microbiology-Disease of the Skin & Internal Tissues. Microbiology for Surgical Technologist	Chapter 18	Monday at 12pm
Medical Terminology- The Endocrine System. Medical Terminology for the Healthcare Professions	Chapter 13	Monday at 12pm
Human Behavior-Understanding Human Behavior: A Guide for Health Care Professionals	Chapter 13-15	Monday at 12pm
Surgical Instrumentation-Head & Neck Procedure Instrumentation. Surgical Instrumentation	Chapter 11	Monday at 12pm
Lab		
Lab Evaluation Week 12		
Medical Terms	Closure Devices, Drains, Stomas, Drain Insertion	Thursday's
	25 words on Canvas	Tuesday's
Case Study	Breast Augmentation	Tuesday's
Chapter Quiz	AST Chapter 17-1	Wednesday's

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ISLO 1-4
PSLO 1-3
SLO 1-4

Online

AST Cardiac Surgery. AST Surgical Technology for the Surgical	Chapter 22	Monday at 12pm
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	Technologist: A Positive Care Approach		
	A&P The Cardiovascular Circulatory System Cont. Fundamental of Anatomy and Physiology	Chapter 14	Monday at 12pm
	Microbiology- Disease of the Gastrointestinal. Microbiology for Surgical Technologist	Chapter 19	Monday at 12pm
	Surgical Instrumentation- Cardiothoracic & Vascular Instrumentation. Surgical Instrumentation	Chapter 13	Monday at 12pm
	Medical Terminology- The Cardiovascular System. Medical Terminology for the Health Professions	Chapter 5	Monday at 12pm
	Human Behavior-Understanding Human Behavior: A Guide for Health Care Professionals	Chapter 16-18	Monday at 12pm
	Lab		
	Lab Evaluation Week 13	Foley Catheters	Thursday's
	Medical Terms	25 words from Canvas	
	Chapter Quiz	AST Chapter 18	Tuesday's
			Wednesday's
14	ISLO 1-4 PSLO 1-3 SLO 1-4		
	Online		
	AST-Peripheral Vascular Surgery. AST Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 23	Monday at 12pm
	A&P The Endocrine System. Fundamental of Anatomy and Physiology	Chapter 12	Monday at 12pm
		Chapter 20	Monday at 12pm

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Microbiology Diseases of the Eyes, Ears, & Respiratory. Microbiology for Surgical Technologist	Chapter 5	Monday at 12pm
Medical Terminology-The Cardiovascular System Cont. Medical Terminology for the Health Professions	Chapter 16-18	Monday at 12pm
Human Behavior-Understanding Human Behavior: A Guide for Health Care Professionals	Chapter 10	Monday at 12pm
Pharmacology-Practical Pharmacology for the Surgical Technologist		
Lab	Laparoscopy Instrument Identification	Thursday's
Lab Evaluation Week 14	Laparoscopic Gastric Bypass	Tuesday's
Cast Study	25 words on Canvas	Tuesday's
Medical Terms	AST Chapter 22	Wednesday's
Chapter Quiz		
ISLO 1-4		
PSLO 1-3		
SLO 1-4		
Online		
AST- Neurosurgery Surgery. AST Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 24	Monday at 12pm
A&P The Nervous System. Fundamental of Anatomy and Physiology	Chapter 10	Monday at 12pm
Microbiology-Control of Microbial Growth. Microbiology for Surgical Technologist	Chapter 21	Monday at 12pm
Medical Terminology-The Nervous System. Medical Terminology for the Healthcare Professions	Chapter 10	Monday at 12pm

	Surgical Instrumentation-Neurosurgery Instrumentation- Surgical Instrumentation	Chapter 12	Monday at 12pm
	Human Behavior-Understanding Human Behavior: A Guide for Health Care Professionals	Chapter 19-22	Monday at 12pm
	Lab		
	Lab Evaluation Week 15	Mock Finals	Thursday's
	Medical Terms	25 words on Canvas	Tuesday's
	Chapter Quiz	AST Chapter 23	Wednesday's
16	ISLO 1-4 PSLO 1-3 SLO 1-4		
	AST Neurosurgery cont. AST Surgical Technology for the Surgical Technologist: A Positive Care Approach	Chapter 24	Monday at 12pm
	A&P The Nervous System: The Brain, Cranial Nerves, & Special Senses. Fundamental of Anatomy and Physiology	Chapter 11	Monday at 12pm
	Microbiology-Emerging, Recurring, &Reappearing Diseases. Microbiology for Surgical Technologist	Chapter 22	Monday at 12pm
	Medical Terminology-Comprehensive Review. Medical Terminology for the Health Professions	Review	Monday at 12pm
	Human Behavior-Understanding Human Behavior: A Guide for Health Care Professionals	Chapter 19-22	Monday at 12pm
	Surgical Instrumentation-	Comprehensive Certification Style Exam	Monday at 12pm



Lab		
Lab Evaluation Week 16	Final Evaluation (must pass with a 70% or higher)	Thursday's
Case Study	Carotid Endarterectomy	Tuesday's
Chapter Quiz	AST Chapter 24	Wednesday's

Academic Integrity Statement

Ensuring academic integrity is an educational objective taken very seriously. Based on respect for individual academic achievement, each student and faculty member commits to being a part of a community of scholarship that prides itself on honesty and integrity. Students agree that, by taking this course, all required papers may be subject to submission for textual similarity review to Turnitin.com for the detection of plagiarism. All submitted papers will be included as source documents in the Turnitin.com reference database solely for the purpose of detecting plagiarism of such papers. Use of the Turnitin.com service is subject to the Terms and Conditions of Use posted on the Turnitin.com site.

Academic and/or professional misconduct is subject to disciplinary action, including being placed on probation, failing a graded course component, failing a course, or being dismissed. Student academic misconduct includes, but is not limited to, cheating on examinations, plagiarism, bribery, falsification of student records, and improper attempts to influence instructors or school officials. For online courses, this includes submitting others' work, entering discussion threads under false pretenses, or not complying with instructor or Online Educational Center authorship.



Grading Policy

Table of Evaluations

Assignment	Points	Weighting
ST2- Didactic		
Cengage Assignments	6710 Points	80%
Chapter Quiz	485 Points	10%
Medical Terminology	750 Points	10%
Total Points	7945 Points	100%

Table of Evaluations

Assignment	Points	Weighting
ST222-LAB		
Attendance	100	10%
Lab Evals	380	50%
Case Studies	800	40%
Total Points	1280	100%

Methods of Evaluation

The grade for this course will be a compilation, determined by satisfactory completion of:

<input type="checkbox"/> Cengage	<input type="checkbox"/> Discussions
<input type="checkbox"/> Quizzes	<input type="checkbox"/> Simulations
<input type="checkbox"/> Case Studies	<input type="checkbox"/> Role-play
<input type="checkbox"/> Homework	<input type="checkbox"/> Lab skills
<input type="checkbox"/> Test	
<input type="checkbox"/> Skills Demonstrations	<input type="checkbox"/> Other: _____ _____



Methods of Instruction

<input type="checkbox"/> Online
<input type="checkbox"/> Classroom Based
<input type="checkbox"/> Hybrid
<input type="checkbox"/> Lab
<input type="checkbox"/> Demonstrations
<input type="checkbox"/> Field Trips
<input type="checkbox"/> Visiting Speakers
<input type="checkbox"/> Simulation
<input type="checkbox"/> Role-play
Other:

Late Assignment Policy

You are required to complete this course in the time period specified by your instructor, your class schedule, and your syllabus. Your instructor or their supervisor can advise you on the current late assignment policy.

Reviewed

June 2020

