KINGSBOROUGH COMMUNITY COLLEGE
The City University of New York

CURRICULUM TRANSMITTAL COVER PAGE

Department:_____ **Date:**_____

Title Of Course/Degree/Concentration/Certificate:_____

Change(s) Initiated: (Please check)

☐ **Closing of Degree**   ☐ **Change in Degree or Certificate**
☐ **Closing of Certificate**   ☐ **Change in Degree: Adding Concentration**
☐ **New Certificate Proposal**   ☐ **Change in Degree: Deleting Concentration**
☐ **New Degree Proposal**   ☐ **Change in Prerequisite, Corequisite, and/or Pre/Co-requisite**
☐ **New Course**   ☐ **Change in Course Designation**
☐ **New 82 Course (Pilot Course)**   ☐ **Change in Course Description**
☐ **Deletion of Course(s)**   ☐ **Change in Course Title, Number, Credits and/or Hours**
                                                ☐ **Change in Academic Policy**
                                                ☐ **Pathways Submission:**
                                                      ☐ **Life and Physical Science**
                                                      ☐ **Math and Quantitative Reasoning**
                                                      ☐ **A. World Cultures and Global Issues**
                                                      ☐ **B. U.S. Experience in its Diversity**
                                                      ☐ **C. Creative Expression**
                                                      ☐ **D. Individual and Society**
                                                      ☐ **E. Scientific World**

☐ **Change in Program Learning Outcomes**
☐ **Other (please describe):**_____

PLEASE ATTACH MATERIAL TO ILLUSTRATE AND EXPLAIN ALL CHANGES

DEPARTMENTAL ACTION

Action by Department and/or Departmental Committee, if required:

Date Approved:_____ **Signature, Committee Chairperson:**_*Tyronne Johnson*_____

If submitted Curriculum Action affects another Department, signature of the affected Department(s) is required:

Date Approved:_____ **Signature, Department Chairperson:**_____

Date Approved:_____ **Signature, Department Chairperson:**_____

I have reviewed the attached material/proposal

Signature, Department Chairperson: _____*Tyronne Johnson*_____

Revised/Augl.2018/AK

TO:	Fall 2023 Curriculum Committee
FROM:	Tyronne Johnson, Chair, Department of Allied Health, Mental Health and Human Services
DATE:	10/13/23
RE:	Change in Credits and Hours for ST 300 – Surgical Technology III

The Department of Allied Health, Mental Health and Human Services is proposing a change in Credits and Hours for ST 300 – Surgical Technology III.

FROM:

4 credits, 4 hrs. lecture

TO:

3 credits, 3 hrs. lecture

Rationale for Change:

The ARC/STSA is a private, non-profit accreditation services agency that provides national recognition for more than 400 higher education programs in surgical technology and surgical assisting in collaboration with the Commission on Accreditation of Allied Health Education Programs (CAAHEP). The ARC/STSA has established August 1, 2024, as the date for full implementation of the Core Curriculum for Surgical Technology (CCST), 7th edition. Surgical Technology programs must be utilizing the (CCST), 7th edition, in its entirety after this date.

The Core Curriculum Revision Panel began the process of completing a peer-reviewed revision of the Core Curriculum for Surgical Technology (CCST), 7th edition, in February 2019. The Panel consisted of representatives of the Association of Surgical Technologists (AST), the Accreditation Council on Surgical Technology and Surgical Assisting (ARC/STSA), and the National Board of Surgical Technology and Surgical Assisting (NBSTSA). The Panel focused on multiple transformations that have occurred in the profession since the publication of the 6th edition while preserving the principles of the entry-level knowledge that the graduate needs to provide safe, quality surgical patient care.

Based on ARC/STSA CCST-7e requirements a number of revisions to Kingsborough's Surgical Technology curriculum was completed in order to ensure full compliance with the ARC/STSA CCST – 7e requirements. This included revisions to ST 300 – Surgical Technology III and the determination that the course could be reconfigured to a 3 credit 3 hour lecture.

The included Syllabi depicts the changes made to the course content, indicating additions and deletions.

KINGSBOROUGH COMMUNITY COLLEGE

The City University of New York

Department of Allied Health, Mental Health and Human Services

COURSE SUBJECT Surgical Technology | ST300 01 16819 | Surgical Technology III

Course Syllabus: Fall 2024   Credit Hours: **3-credit hours.**

Prerequisites: ST100, ST200 **& ST2P00**   Contact Hours: **3 hours**

Co-requisites: ST3P00, **ST400, & ST4P00**

Lecture times: Tuesday & Thursday 8am to 10:10am

Instructor: **Lindsay Hayes** BS CST

Office: C206-B ext: 6640

Email: Lindsay.hayes@kbcc.cuny.edu

Phone: 646-617-6280

Office hours: Mondays **8:00am to 9:00am and by appt.** Tuesdays & Thursday**s 10:30am to 11:30am**

For computer assistance, contact the student Helpdesk by phone at (718) 368-6679

or email at: helpdesk@students.kbcc.cuny.edu

CATALOGUE DESCRIPTION

Principles and the practice of surgical technology with a focus on those functions that impact the circulating role. Introduction to surgical pharmacology, anesthesia and wound healing physiology. This course will be taught as a lecture in conjunction with an active hands-on **clinical** component.

OVERVIEW

This course introduces surgical Wound management, **Organ procurement and transplantation, Death and Dying,** PACU, Robotic assisted procedures, Interventional Radiology.

PROFESSIONALISM

The concept of professionalism in healthcare is motivated by the primary goal of providing quality service to the health care consumer. It is also a concept that involves a commitment to the development and maintenance of a level of knowledge, which enables the provider to utilize standards of care in the daily delivery of health care to the consumer. The program's faculty members provide you with the knowledge and background necessary to develop a sense of professionalism, which will extend into your career.

Student Learning Outcomes	Assessment Measures
If you stick with me, by the end of this course, I promise that you will be able to:	You will be able to demonstrate that you have achieved this outcome by:
Demonstrate and discuss the methods of handling medication of handling medication on the surgical field with Patient Safety Principles intact	After recalling general terminology regarding surgical procedures and medications frequently used in the operating room, you will discuss and successfully answer questions upon examination regarding the care and handling of pharmacological agents on the surgical field using aseptic principles.
Discuss the physiology of wound healing, wound classification and influencing factor.	You will apply your knowledge and identify the immune response that occur as the body fights pathogens that cause tissue damage and necrosis in the post-operative phase of surgery. You'll also be able to identify and compare the healing process in relation to the factors influencing wound healing as and complications as demonstrated through successful completion of examination questions.
Discuss the practice of Anesthesia including the method of administration, equipment, and adjuncts, as well as the role of the Perioperative personnel	You will be able to relate all the factors that influence the selection of anesthesia, preoperative medications as well as the method of administration, and possible complications. Examination questions will give you the opportunity to identify the phases of general anesthesia and the capacity in which each surgical team member participates.
Describe the application of thermoregulatory devices, hemostasis, and blood replacement	You will be able to distinguish the proper method of thermoregulatory applications, temperature adjuncts, and circulatory adjuncts in the operating room. You will also be able to describe and demonstrate the employment of hemostatic agents used in surgery as well as exhibit the proper techniques of electrocautery device usage. Examination questions will give them the opportunity to identify all these applications.
Discuss the methods of identifying microbes and the process of infection to surgical practice.	You will be able to recall and successfully answer all examination questions given, to identify the proper care of the surgical patient prior to a surgical intervention and identify the preoperative procedures and diagnostic tests that are required for surgery.
Discuss the postoperative course of the surgical patient in PACU	Through analysis, you will recognize the care given in the post anesthesia care unit. Examination questions will give them the opportunity to categorize the care given post-operatively and the process of discharge planning.
Discuss the definitions of death and define the various causes of death	Through discussion and analysis, you will be able to evaluate perception regarding death and dying. Compare and contrast responses to the process of death. Discuss the issues related to suicide.
Discuss the issues regarding organ and tissue recovery from a deceased individual.	You will be able to understand the process of organ and tissue recovery. Understand the determination of death, consent for donation, and discuss the different types of recovery and transplantation procedures.

Recommended Textbooks

AST: Surgical Technology for the surgical Technologist
Fuller, Joanna K., *Surgical Technology: Principles and Practice, 7th Edition,* Elsevier,
Goldman, Maxine A., *Pocket Guide to the Operating Room, 3rd Edition, F.A.* Davis, 2008

Grades will be calculated according to college and departmental policy as follows:
This is the grading schematics for PSG, EMS and T:

A+ 97-100	A 93-96	A- 90-92	B+ 87-89	B 83-86	B- 80-82
C+ 78-79	C 75-77	C- 70-74	D+ 66-69	D 60-65	F <60 and below

W   Withdrew without penalty   WU   Unofficial Withdrawal

Grades will be determined as described below:

(4) Quiz Exams	20%	*traditionally 10 questions*
(4) Unit Exams	40%	*traditionally 50 questions*
(1) Final Exam	30%	*100 CST exam style questions*
(4) Assignments	10%	*assignments & participation*

Attendance, Participation, and Universal Learning
Attendance and participation are highly important in this small, collaborative, remote class. If you must be absent because of an emergency or illness, please make every effort to speak with me about it beforehand, if possible, or after the next class. I will excuse such absences with a doctor's note or other form of official documentation.

I am committed to the principle of universal learning. This means that our classroom, our virtual spaces, our practices, and our interactions be as inclusive as possible. Mutual respect, civility, and the ability to listen and observe others carefully are crucial to universal learning. Active, thoughtful, and respectful participation in all aspects of the course will make our time together as productive and engaging as possible. I will give you midterm feedback on your participation.

Policies and Procedures
The Department of Allied Health, Mental Health and Human Services adheres to the Policies and Procedures on Academic Integrity as set forth by CUNY. See the Surgical Technology student's handbook KCC Catalog and website for further details. Students are expected to take all tests when scheduled. In the online environment, exams will be scheduled over the course of 48 hours to accommodate all students. Students who do not take a test during the allotted time period must consult with the instructor to reschedule the exam. Those students will be given an alternate makeup test. All makeup tests will be given at the end of the semester or a mutually agreeable time between the student and the instructor. Students who fail to take the scheduled exams or makeup will receive a grade of zero for that test. All written assignments must comply with college standards for written work.

 Written assignments, other than discussion board threads are to be submitted via Blackboard as a PDF or a word document and must be received by 11:59 PM on the due date, prior to the start of class. All other submissions will be assessed 10 points per day that it is late. A late assignment will meet the requirements of the course but will not receive full credit. If written assignments are not submitted by the end of the course, the student will receive a grade of "0" for each incomplete assignment. If you are submitting a Word document in an alternate format and I am

unable to open it, it is marked as incomplete. If you are submitting it as a Google doc, you must convert it into a PDF and submit via Blackboard.

A private conference (see office hours) with me, (the instructor) is required during the first week, at the mid-semester point and again at week 10 of the course to discuss your progress, if needed. Students may arrange a conference/appointment by messaging me to schedule a mutually agreeable time. I will post general, synchronous office hours for the group, but if you wish to have a private meeting, we can arrange that for you.

STUDENT SUPPPORT SERVICES

If you think you need an accommodation for a disability, please let me know at your earliest convenience. Some aspects of this course, such as the assignments, in-class activities, or the way we teach may be modified to facilitate your participation and progress. As soon as you make us aware of your needs, we can work with you and the Office of Access-Ability Services, will help determine appropriate accommodations. We will treat any information about your disability with the utmost discretion. Students who need support services during their time at Kingsborough Community College should make an appointment with the **Access-Ability Office** in Room D205 at 368-5175.

Access Resource Center (Room E-115)

Your one-stop place to get connected to government benefits and resources. Whether it's childcare, SNAP, clothing, or transportation, you can get a referral for what's available to you – where you live and when you need it. FREE services include: Benefits Screening, Legal Consultation, Financial Consultation and Tax Preparation, lists of jobs, housing, pantries, Distribution of FREE vegetables grown on campus at the KCC Urban Farm, Distribution of FREE food staples at the KCC Food Pantry, Clothing donations, Assistance with recertification of benefits, Fair Hearing Assistance and Assistance obtaining other government resources.

All services are FREE. Walk-ins are always welcome.

Counseling Services Room D-102

All Kingsborough students are eligible to receive free and confidential personal counseling through the Counseling Services Center, where they will find a staff of trained and caring mental health practitioners who are committed to providing high-quality services, in a safe, supportive, and judgment-free environment, while always respecting students as individuals and as members of a diverse school community.

Kingsborough Learning Center (KLC)

Formerly known as the Center for Academic Writing Success (CAWS), The KLC serves as a resource for all students requiring assistance with a writing assignment. The primary goal is to help students develop their own academic skills in essay writing, rethinking, and revising papers, or identifying and correcting their own mistakes in writing. The Center offers a variety of free services such as walk-in tutoring, one-on-one tutoring contracted with an individual tutor for an entire semester, and group tutoring.

CHEATING AND PLAGIARISM

The faculty and administration of Kingsborough Community College support an environment free from cheating and plagiarism. Each student is responsible for being aware of what constitutes cheating and plagiarism and for avoiding both. The policy is to give a failing grade to any assignment that has been plagiarized and possibly an F for the course. In addition, I am required by College policy to submit a report of suspected academic dishonesty to the Office of the Dean of Students. This report becomes part of your permanent file. Please don't put us both through this disparaging and critical process. The complete text of the CUNY Academic Integrity Policy and the Kingsborough Community College procedure for implementing that policy can be found at this site:

http://www.kingsborough.edu/faculty_staff/Documents/Academic_Integrity_Policy.pdf

NETIQUETTE

Be mindful that electronic communication does not convey facial expression or tone of voice. It is important to consider what is written could be misinterpreted. Typing messages all in caps is regarded by most internet uses as shouting; so, unless you mean to yell at someone, type your message in standard format. It is appropriate to share your point of view as well as indicate disagreements with another's posts, however, it is not okay to make negative personal statements about another's posts. If you send an email from a personal email account, sign the message. Often the names of personal email accounts are different from a person's given name. Use the KCC email whenever possible. For online classes with live videoconferencing, it is important to be mindful of your immediate surroundings including sounds and visible backgrounds that are aggressive, insulting, or provocative. You should not be walking, running errands, or working while in a synchronous class or meeting. Your surroundings say a lot about you, so it's essential to make sure that you say the right things for your audience. Before you log on to your meeting, make sure you have chosen a clean backdrop in your space that doesn't distract viewers from your communication. If you don't feel like your workspace has a desirable backdrop, you can always try out a blurred or virtual background feature, which allows you to display an image as your background during a meeting. Do not discount the importance of good lighting and camera angles when you are present and do not set the scene for distractions. Please keep yourself muted when not speaking.

EQUITY, CIVILITY, RESPECT for DIVERSITY and INCLUSION

Respect for the opinions of others is very important in an academic environment. It is likely you may not agree with every topic that is discussed in the classroom. Courteous behavior and responses are expected. Therefore, in this classroom, any acts of harassment and/or discrimination based on matters of race, gender, sexual orientation, religion, and/or ability is not acceptable. Whether we are students, faculty, or staff, we have a right to be in a safe environment, free of disturbances in all aspects of human relations. Incivility will not be tolerated.

Furthermore, I would like to create a learning environment for my students that supports a diversity of thoughts, perspectives, and experiences, and honors your identities (including race, gender, class, LGBTQAI+, religion, ability, etc.) To help accomplish this, if you have a name and/or set of pronouns that differ from those that are traditionally used, please let me know. If you feel like your performance in the class is being impacted by your experiences outside of class, please don't hesitate to come and talk with me. I want to be a resource for you. Remember that you can also submit anonymous feedback (which will lead to me making a general announcement to the class, if necessary, to address your concerns). I, like many people, am still in the process of learning about diverse perspectives and identities. If something was said in class (by anyone) that made you feel uncomfortable, please talk to me about it. (Again, anonymous feedback is always an option). Your suggestions are encouraged and appreciated. Please let me know ways to improve the effectiveness of the course for you personally, or for other students or student groups.

Religious/Cultural Observance

Persons who have religious or cultural observances that coincide with this class should let me know in writing by e-mail one week in advance of your respective observance. I strongly encourage you to honor your cultural and religious holidays. You may be excused from the class, but you are not excused from the work. All assignments must be submitted on time. If an assignment due date directly conflicts with a holiday or religious observance, then you should plan on submitting it a day earlier since you have the assignment days in advance.

Point of View

The readings, class lecture, and my comments in class may suggest a point of view that you disagree with. It is my intent to present these ideas without any bias. I am not here to oppose you or force you to follow a certain narrative. I am supporting you to foster your own, honest, and well-informed opinions. I encourage you to disagree

with the ideas in the readings and lectures as well as the perspectives of your colleagues in the course. Please express yourself. A significant part of a college education is learning about the complexity of various issues; therefore, it is important that we listen and respect one another but we do not have to agree. A richer discussion will occur when a variety of perspectives are presented in class for discussion.

Participation Rubric for Discussions

For the discussions in the first four modules, participants must post their individual reply for a potential 0.6 points, and respond to one of their colleagues' discussion postings, for a potential 0.4 points per response (1 points total per discussion).

Responses to topics 250 words min

To earn the full 0.6 points for a reply to each discussion topic, the participant
- Replied to the initial topic within the module dates
- Posting was responsive to questions and substantive, posting comments or questions that enhanced the discussion, helped move the conversation forward. These may have included follow up questions, examples, or new perspectives
- When not posting first, comments provided evidence that the participant had read at least some postings from colleagues
- Posting showed ample evidence of having reviewed, or completed the relevant readings or assignments
- Posting was constructive and differences of opinion expressed in a collegial manner

To earn 0.45 points for each topic, the participant
- Replied to the initial topic within the module dates
- Posting was responsive to question and substantive
- Posting showed some evidence that the participant had reviewed or completed the relevant readings or assignments
- Posting was constructive and differences of opinion expressed in a collegial manner

To earn 0.3 points, the participant
- Replied to the initial topic within the module dates but neglected one or more of the other elements
- Posting was collegial in tone

Responses to Colleagues' Postings 100 words min.

To earn the full 0.4 points for a response to a colleague, the participant
- Posted a response to the colleague within the module dates.
- Posting was responsive and substantive, posting comments or questions that enhanced the discussion, or helped move the conversation forward. These may have included follow up questions, examples, or new perspectives.
- Posting provided evidence that the participant had thoughtfully read the colleague's posting
- Posting showed ample evidence of having reviewed, or completed the relevant readings or assignments
- Posting was constructive and differences of opinion expressed in a collegial manner

To earn 0.3 points for a response to a colleague, the participant
- Posted a response to the colleague within the module dates
- Posting provided evidence that the participant had read the colleague's posting
- Posting showed some evidence of having reviewed, or completed the relevant readings or assignments
- Posting was constructive and differences of opinion expressed in a collegial manner

To earn 0.1 point for a response to a colleague, the participant
- Posted a response to the colleague within the module dates
- Posting was constructive and differences of opinion expressed in a collegial manner

Week to Week Course Agenda					
12-week semester	**Topic and Objectives of the week**	**Readings include textbooks, OER copies/links, PowerPoint**	**Homework and Discussions**	**Exam Content and date**	**Announcements / Important Dates / Holidays**
Week 1	Course Introduction Unit 1: Wound management ● Describe the various types of wound closure accessories and dressings. ● Define the terminology related to wound healing. ● Describe the various types of wounds. ● Analyze the mechanisms of wound healing. ● Evaluate the classification of surgical wounds. ● Analyze the factors that influence wound healing. ● Describe the complications that interrupt normal wound healing.	Required Reading: Fuller - Surgical Technology Principle & Practice 7th Ed. Chapter 21 427-463 AST – Surgical Technology for the Surgical Technologist	Assignment #1		Monday March 4th Classes begin
Week 2	In Unit 2: Death and dying You will learn to: ● Various causes of death ● Definition of death ● Evaluate perceptions of death ● Compare responses to the process of death ● Coping strategies ● Analyze quantity vs quality of life ● Process when death occurs in OR ● Suicide Organ procurement intro	Required Reading: Fuller - Surgical Technology Principle & Practice 7th Ed. Chapter 23 Pg 493-554 AST – Surgical Technology for	Assignment #2	Quiz 1	

		the Surgical Technologist			
Week 3	Unit 1 & 2 Review			**Unit Exam #1**	
Week 4	Unit 3: Surgical Anesthesia • Define terminology • Care & handling of drugs. • Discuss and identify those pharmacological agents used in the sterile field. • Describe factors that influence the selection of Anesthesia & the role of pre op medications. • Describe the types of anesthesia and methods of administration. • Describe the phases of general anesthesia and staff roles • Identify monitoring devices used in surgery. • Discuss complications resulting from anesthesia	Required Reading: Fuller - Surgical Technology Principle & Practice 7th Ed. Chapter 15 Pg 305 - 312 AST – Surgical Technology for the Surgical Technologist	Assignment #3		Monday April 22-Monday April 29 – spring break
Week 5	In Unit 4: Organ transplant/procurement ● Discuss the role of the surgical technologist as it relates to organ/tissue donation and procurement. ● NYS Regulations ● Organ Donor Network ● Criteria for donation ● Order of procurement ● Typical procurement procedures ● Transplantation:- kidney- liver- heart- lungs- cornea- islet cells- skin- bone- tendon	Required Reading: Fuller - Surgical Technology Principle & Practice 7th Ed. Pg 45-48, 310-312 Pg 78, 497, 619-621	Assignment #4	**Quiz 2**	
Week 6	Unit 3 & 4 Review			**Unit Exam #2**	
Week 7	In Unit 8: Preoperative	Required Reading:	Assignment #5		

	Diagnosis, Discharge planning & PACU 1. Discuss the care that the surgical patient may receive before and after the scheduled procedure, e.g., diagnostic ● testing	Fuller - Surgical Technology Principle & Practice 7th Ed. Chapter 34 Pg 908 - 936			
Week 8	In Unit 6: Robotics ● Describe the preparation of the patient for minimally invasive surgery (MIS) ● Describe the function of each component of the imaging equipment used in MIS ● Describe the surgical technique used for insufflation in laparoscopy. ● Describe the trocar-cannula system used in MIS ● Describe the specific electrosurgical risks of direct and capacitive coupling ● Describe the structure and function of a flexible endoscope ● Describe the principles of robotic surgery ● Describe robotic movements and classification ● Discuss training resources for robotic surgery ● List the three main components of robotic surgery and describe their functions ● Describe the roles of team members during robotic surgery	Required Reading: Fuller - Surgical Technology Principle & Practice 7th Ed. pg 465-491, 582, 624-627	Assignment #6 Robotic certification from Davincicommunity.org	Quiz 3	
Week 9	Unit 5 & 6 Review			**Unit Exam #3**	

Week 10	In Unit 7: (Interventional Radiology) You will: ● Describe the purpose of interventional radiology (IR). ● Discuss the considerations for the use of IR. ● Describe imaging modalities. ● Evaluate the role of the surgical technologist.	Required Reading: Fuller - Surgical Technology Principle & Practice 7th Ed. Pg 60, 66, 82-98, 119, 258, 308, 405, 548, 829, 830,868	Assignment #7		
Week 11	In Unit 8 Post-Anesthesia Care You will learn to: ● Patient transfer ● Breakdown of sterile field ● Doffing surgical attire ● Disinfection of OR at end of case ● Analyze post op care of patient. ● Potential complications ● Assistive role of the ST in post op ● Equipment/supplies ● Criteria for patient discharge	Required Reading: Fuller - Surgical Technology Principle & Practice 7th Ed. Pg 51, 59, 60, 260-312, 401, 425	Assignment #8	Quiz 4	
Week 12	Unit 7 & 8 Review			**Unit Exam #4**	

FINAL EXAM WEEK: June 10 - June 16

All makeup exams will occur during this week.

KINGSBOROUGH COMMUNITY COLLEGE

The City University of New York

Department of Allied Health, Mental Health and Human Services

COURSE SUBJECT Surgical Technology | ST300 01 13489 | Surgical Technology III

Course Syllabus: **Fall** 2023 Credit Hours: ~~4 credit hours~~
Prerequisites: ST100 & 200 Contact Hours: ~~4 hours~~

Lecture times: Tuesday & Thursday 9:10 am to 11:20am - Room M396

Instructor: Lindsay Hayes CST BS
Office: C206B
 Email: Lindsay**.Hayes@kbcc.cuny.edu**
Office phone# Office: 718-368-6865 ext. 6640
Mobile: 646 617 6280
Office hours: Tuesday & Thursday **8:00am to 9:00 am and by appt.**

For computer assistance, contact the student Helpdesk by phone at (718) 368-6679 or email at: helpdesk@students.kbcc.cuny.edu

CATALOG DESCRIPTION

Surgical Technology III

Principles and the practice of surgical technology with a focus on those functions that impact the circulating role. Introduction to surgical pharmacology, anesthesia, and wound healing physiology. This course will be taught as a lecture in conjunction with an active hands-on component in the practice lab.

OVERVIEW: This course introduces surgical pharmacology, anesthesia, and wound healing physiology. It also discusses the medico-legal aspect of perioperative practice in relation to patient's rights and surgical hazards.

Topical Outline:

Unit I Minimally Invasive Surgical | Robotic procedures
Unit II Specialty Equipment | Interventional Radiological
~~Unit III Patient Positioning~~
Unit IV Wound Healing ~~| Specimen Care & Handling~~
~~Unit V Sterile Processing Part I~~
~~Unit VI Sterile Processing Part II~~
Unit VII Surgical Pharmacology and Anesthesia
Unit VIII Preoperative Diagnosis, PACU and Discharge Planning

Recommended Textbooks:

- ~~Phillips, Nancy Marie, *Berry & Kohn's Operating Room Technique* 12th Edition~~
- Fuller, Joanna K., *Surgical Technology: Principles and Practice, 6th Edition,* Elsevier, 2013
- Goldman, Maxine A., *Pocket Guide to the Operating Room, 3rd Edition, F.A.* Davis, 2008
- Rothrock, Jane C., *Alexander's Care of the Patient in Surgery,* 15th Edition, Elservier, 2015
- YouTube video, other websites, Instructor created content, Library sources

Student Learning Outcomes	Assessment Measures
If you stick with me, by the end of this course, you will be able to:	You will be able to demonstrate that you have achieved this outcome by:
~~Demonstrate and discuss the principles of patient transfer and surgical positioning.~~	~~Through dramatization, you will employ the use of the lab mannequins in conjunction with the operating room tables and attachments to simulate and inspect the proper method of manipulation of the O.R. bed, all table parts, and accessories. You will be able to operate all devices required to position the patient safely and effectively. You will also identify and express the proper method of transferring and positioning the surgical patient in all positions. You will be able to apply all the theories of patient safety and successfully answer questions upon examination.~~
~~Demonstrate and discuss the principle of handling of surgical specimens.~~	~~You will be able to define and recall cell pathology, the mechanism of disease and the concept of tumors. You will recognize the various types of specimens and how to inventory each specimen in the OR by successfully answering examination questions.~~
Demonstrate and discuss the methods of handling medication of handling medication on the surgical field with Patient Safety Principles intact	After recalling general terminology regarding surgical procedures and medications frequently used in the operating room, you will discuss and successfully answer questions upon examination regarding the care and handling of pharmacological agents on the surgical field using aseptic principles.
Discuss the physiology of wound healing, wound classification and influencing factors.	You will apply your knowledge and identify the immune response that occurs as the body fights pathogens that cause tissue damage and necrosis in the postoperative phase of surgery. You'll also be able to identify and compare the healing process in relation to the factors influencing wound healing as and complications as demonstrated through successful completion of examination questions.
Discuss the practice of Anesthesia including method of administration, equipment, and the role of the Perioperative personnel	You will understand the factors that influence the selection of anesthesia, preoperative medications as well as the method of administration, and possible complications. Examination questions will give you the opportunity to identify the phases of general anesthesia and the capacity in which each surgical team member participates.
Describe the application of thermoregulatory devices, hemostasis, and blood replacement	You will be able to distinguish the proper method of thermoregulatory applications, temperature adjuncts, and circulatory adjuncts in the operating room. You will also be able to describe and demonstrate the employment of hemostatic agents used in surgery as well as exhibit the proper techniques of electrocautery device usage. Examination questions will give them the opportunity to identify all these applications.
Discuss the methods of identifying microbes and the process of infection to surgical practice.	You will be able to recall and successfully answer all examination questions given, to identify the proper care of the surgical patient prior to a surgical intervention and identify the preoperative procedures and diagnostic tests that are required for surgery.
Discuss the postoperative course of the surgical patient in PACU	Through analysis, the student will recognize the care given in the post anesthesia care unit. Examination questions will give them the opportunity to categorize the care given post-operatively and the process of discharge planning.

PROFESSIONALISM: The concept of professionalism in healthcare is motivated by the primary goal of providing quality service to the health care consumer. It is also a concept that involves a commitment to the development and maintenance of a level of knowledge, which enables the provider to utilize standards of care in the daily delivery of health care to the consumer. The program's faculty members provide you with the knowledge and background necessary to develop a sense of professionalism, which will extend into your career.

Attendance, Participation, and Universal Learning: Attendance and participation are highly important in this small, collaborative, remote class. If you must be absent because of an emergency or illness, please make every effort to speak with me about it beforehand, if possible, or after the next class. I will excuse such absences with a doctor's note or other form of official documentation. I am committed to the principle of universal learning. This means that our classroom, our virtual spaces, our practices, and our interactions are as inclusive as possible. Mutual respect, civility, and the ability to listen and observe others are crucial to universal learning. Active, thoughtful,and respectful participation in all aspects of the course will make our time together as productive and engaging as possible. I will give you midterm feedback on your participation.

Policies and Procedures: The Department of Allied Health, Mental Health and Human Services adheres to the Policies and Procedures on Academic Integrity as set forth by CUNY. See the Surgical Technology student's handbook KCC Catalog and website for further details. Students are expected to take all tests when scheduled. In the online environment, exams will be scheduled over the course of 48 hours to accommodate all students. Students who do not take a test during the allotted time period must consult with the instructor to reschedule the exam. Those students will be given an alternate makeup test. All makeup tests will be given at the end of the semester or a mutually agreeable time between the student and the instructor. Students who fail to take the scheduled exams or makeup will receive a grade of zero for that test. All written assignments must comply with college standards for written work. Written assignments are to be submitted via Blackboard as a PDF or a word document and must be received by the due date, prior to the start. All other submissions will be assessed 10 points per day that it is late. A late assignment will meet the requirements of the course but will not receive full credit. If written assignments are not submitted by the end of the course, the student will receive a grade of "0" for each incomplete assignment. If you are submitting a Word document in an alternate format and I am unable to open it, it is marked as incomplete. If you are submitting it as a Google doc, you must convert it into a PDF to submit via Blackboard. A private conference with me is recommended during the first week, at the mid semester point and again at week 10 of the course to discuss your progress, if needed. Students may arrange a conference by messaging me to schedule a mutually agreeable time. I will post general, synchronous office hours for the group.

Reading and Lecture Notes : I will post a weekly in the ANNOUNCEMENTS and Modules section of Blackboard with all assignments, reading requirements, PowerPoints, and any other prep material that may be useful for the upcoming live lectures. This may include, but is not limited to: Open ended questions with answers to help you to recall some basic information, Charts on common terminology with definitions, Documents on basic anatomy and then more advanced documents to promote critical thinking Video links, and scholarly articles on these specific subjects.

STUDENT SUPPORT SERVICES: If you think you need accommodation for a disability, please let me know at your earliest convenience. Some aspects of this course, such as the assignments, in-class activities, or the way we teach may be modified to facilitate your participation and progress. As soon as you make us aware of your needs, we can work with you and the Office of Access-Ability Services will help determine appropriate accommodation. We will treat any information about your disability with the utmost discretion. Students who need support services during their time at Kingsborough should make an appointment with the Access-Ability Office in Room D205 at 368-5175.

Access Resource Center (Room E-115): Your one-stop place to get connected to government benefits and resources. Whether it's childcare, SNAP, clothing, or transportation, you can get a referral for what's available to you – where you live and when you need it. FREE services include: Benefits Screening, Legal Consultation, Financial Consultation and Tax Preparation, lists of jobs, housing, pantries, Distribution of FREE vegetables grown on campus at the KCC Urban Farm - Distribution of FREE food staples at the KCC Food Pantry, Clothing donations, Assistance with recertification of benefits, Fair Hearing Assistance & Assistance obtaining other government resources. All services are FREE. Walk-ins are welcome.

Counseling Services Room D-102: All Kingsborough students are eligible to receive free and confidential personal counseling through the Counseling Services Center, where they will find a staff of trained and caring mental health practitioners who are committed to providing high quality services, in a safe, supportive, and judgment-free environment, while always respecting students as individuals and as members of a diverse school community.

Kingsborough Learning Center (KLC): Formerly known as the Center for Academic Writing Success (CAWS), The KLC serves as a resource for all students requiring assistance with a writing assignment. The primary goal is to help students develop their own academic skills in essay writing, rethinking, and revising papers, or identifying and correcting their own mistakes in writing. The Center offers a variety of free services such as walk-in tutoring, one-on-one tutoring contracted with an individual tutor for an entire semester, and group tutoring.

CHEATING AND PLAGIARISM: The faculty and administration of Kingsborough Community College support an environment free from cheating and plagiarism. Each student is responsible for being aware of what constitutes cheating and plagiarism and for avoiding both. The policy is to give a failing grade to any assignment that has been plagiarized and possibly an F for the course. In addition, I am required by College policy to submit a report of suspected academic dishonesty to the Office of the Dean of Students. This report becomes part of your permanent file. Please don't put us both through this disparaging and critical process. The complete text of the CUNY Academic Integrity Policy and the Kingsborough Community College procedure for implementing that policy can be found at this site: http://www.kingsborough.edu/faculty_staff/Documents/Academic_Integrity_Policy.pdf

NETIQUETTE: Be mindful that electronic communication does not convey facial expression or tone of voice. It is important to consider what is written that could be misinterpreted. Typing messages all in caps is regarded by most internet uses as shouting; so, unless you mean to yell at someone, type your message in standard format.It is appropriate to share your point of view as well as indicate disagreements with another's posts, however, it is not okay to make negative personal statements about another's posts.If you send an email from a personal email account, sign the message. Often the names of personal email accounts are different from a person's given name. Use the KCC email whenever possible. For online classes with live video conferencing, it is important to be mindful of your immediate surroundings including sounds and visible backgrounds that are aggressive, insulting, or provocative. You should not be walking, running errands, or working while in a synchronous class or meeting. Your surroundings say a lot about you, so it's essential to make sure that you say the right things for your audience. Before you log on to your meeting, make sure you have chosen a clean backdrop in your space that doesn't distract viewers from your communication. If you don't feel like your workspace has a desirable backdrop, you can always try out a blurred or virtual background feature, which allows you to display an image as your background during a meeting. Do not discount the importance of good lighting and camera angles when you are present and do not set the scene for distractions. Please keep yourself muted when not speaking.

EQUITY, CIVILITY, RESPECT for DIVERSITY and INCLUSION: Respect for the opinions of others is very important in an academic environment. It is likely you may not agree with every topic that is discussed in the classroom. Courteous behavior and responses are expected. Therefore, in this classroom, any acts of harassment and/or discrimination based on matters of race, gender, sexual orientation, religion, and/or ability is not acceptable. Whether we are students, faculty, or staff, we have a right to be in a safe environment, free of disturbances in all aspects of human relations. Incivility will not be tolerated. Furthermore, I would like to create a learning environment for my students that supports a diversity of thoughts, perspectives, and experiences, and honors your identities (including race, gender, class, LGBTQAI+, religion, ability, etc.) To help accomplish this, if you have a name and/or set of pronouns that differ from those that are traditionally used, please let me know. If you feel like your performance in the class is being impacted by your experiences outside of class, please don't hesitate to come and talk with me. I want to be a resource for you. Remember that you can also submit anonymous feedback (which will lead to me making a general announcement to the class, if necessary, to address your concerns). I, like many people, am still in the process of learning about diverse perspectives and identities. If something was said in class (by anyone) that made you feel uncomfortable, please talk to me about it. (Again, anonymous feedback is always an option). Your suggestions are encouraged and appreciated. Please let me know ways to improve the effectiveness of the course for you personally, or for other students or student groups.

Religious/Cultural Observance: Persons who have religious or cultural observances that coincide with this class should let me know in writing by email one week in advance of your respective observance. I strongly encourage you to honor your cultural and religious holidays. You may be excused from the class, but you are not excused from the work. All assignments must be submitted on time. If an assignment due date directly conflicts with a holiday or religious observance, then you should plan on submitting it a day earlier since you have the assignment days in advance.

Point of View: The readings, class lecture, and my comments in class may suggest a point of view that you disagree with. It is my intent to present these ideas without any bias. I am not here to oppose you or force you to follow a certain narrative. I am supporting you to foster your own, honest, and well-informed opinions. I encourage you to disagree with the ideas in the readings and lectures as well as the perspectives of your colleagues in the course. Please express yourself. A significant part of a college education is learning about the complexity of various issues; therefore, it is important that we listen and respect one another but we do not have to agree. A richer discussion will occur when a variety of perspectives are presented in class for discussion.

Grades will be calculated according to college and departmental policy as follows: This is the grading schematics for PSG, EMS and T:

A+ 97-100 A 93-96 A- 90-92 B+ 87-89 B 83-86 B- 80-82 C+ 78-79 C 75-77 C- 70-74 D+ 66-69 D 60-65 F <60 and below W Withdraw without penalty   WU Unofficial Withdrawal

Grades will be determined as described below:

(4) Quiz Exams	20%	*traditionally 10-15 questions*
(4) Unit Exams	40%	*traditionally 50 questions*
(1) Final Exam	30%	*100 CST exam style questions*
(4) Assignments	10%	*homework assignments, discussion boards* and group think projects

Week to Week Course Agenda

Week 1 9/9-9/16	Course Introduction Unit 1: Robotic,Specialty Equipment | MIS |Lasers *1.* Identify specialty equipment used in MIS *2.* Discuss the advantages and constraints of minimally invasive surgery (MIS) *3.* Describe the preparations of the patient for MIS *4.* Care of a rigid endoscope *5.* Describe the functions of each component of equipment in MIS *6.* Describe the principles of robotic surgery	Reading material: - Fuller: Surgical Technology: Principles and Practice, 6th Edition, Elsevier, Chapter 24 p. 536-568. p. 355-360	Assignment #1: Signed clinical placement Agreement Due 9/19	Specialty Equipment: 1. Lasers 2. Harmonic scalpel 3. Pneumatic tourniquet 4. Power equipment 5. Microscopes 6. Endoscopic equipment 7. Headlamps 8. Suction/Irrigation 9. Cryotherapy unit 10. Insufflators 11. Nerve stimulators	Fri. Sep. 8: Start of Fall Session A Classes begin Thurs. Sep. 14 LAST DAY to add/drop courses Fri. Sep. 15 Verification of Enrollment Rosters Available
Week 2 9/17-9/23	Unit 2: Interventional Radiology 1. Describe the purpose of interventional radiology (IR). 2. Discuss the considerations for the use of IR. 3. Describe imaging modalities. 4. Evaluate the role of the surgical technologist.	Read: Fuller Surgical Technology Principle & Practice 6th Ed. Ch.7 pgs. 110 - 115	Quiz #1 Due Sunday 9/24	Concepts Considerations Imaging Modalities Role of the Surgical Technologist	Sun. Sep. 25 Verification of Enrollment Rosters Due Mon Sep.26- WN grades assigned to students that have not attended class.
Week 3 9/24-9/30	Unit 1 & 2 Review 9/26		Exam #1 Thursday 9/28		

Week 4 ~~10/1-10/7~~	~~Unit 3: Patient positioning~~ ~~1. Discuss factors that determine the surgical position.~~ ~~2. Demonstrate the use of the surgical table and accessories.~~ ~~3. Demonstrate basic surgical positions, equipment, and safety considerations.~~ ~~4. Demonstrate safe methods of patient transfer techniques~~	~~Read : Fuller Surgical Technology Principle & Practice 6th Ed. pgs 362-389~~	~~Unit #3 Assignment~~		~~Mon. Oct. 9 LAST DAY for students to appeal "WN" grades College Closed 9/29-10/6: Sukkot~~
~~Week 5 10/8-10/14~~	Unit 4: Wound Healing | ~~Specimen Care & Handling~~ 1. Define the immune response 2. Describe causes of tissue damage. 3. Define characteristics of the inflammatory process. 4. Describe the healing process. 5. Identify factors influencing healing and complications. 6. Identify wound classifications **~~Specimen Care & Handling~~** ~~Describe specimen types, Discuss methods of obtaining specimens, Identify specimen collection containers, Describe the procedures for handling the transfer of specimens, List required labeling components, Discuss the procedure for managing a specimen incident, Analyze the principles of surgical hemostasis, Differentiate between various methods of hemostasis. Handling blood replacement components, Autotransfusion indications and contraindications, advantages and disadvantages, types of systems and devices~~	Read : Fuller Surgical Technology Principle & Practice 6th Ed. Ch. 22 pgs.441-443; 473- 475 ~~Ch. 7 p. 116-117 ; 433- 437~~ ~~Ch. 22 p. 444-448~~	Unit #4 Assignment Quiz #2 Due Sunday	**Wound Healing** 1. Terminology 2. Types of wounds 3. Phases of wound healing 4. Wound classification 5. Factors affecting wound healing 6. Complications **~~Specimen C&H:~~** ~~Types of specimens, Methods of obtaining, Collection container, Labeling, incident management, Types of devices: hypothermia blankets, blood warmers, thermal drape, blood-clotting mechanism, Sequential circulation devices Hemostasis/hemostatic instruments: Ligature, pressure, hemostatic clips, pharmacologic agents, bone wax, electrocoagulation, Argon beam, Monitoring blood loss.~~	Mon. Oct. 9 Columbus Day **College Closed** Tues. Oct. 10 Classes follow a Monday schedule
~~Week 6 10/17-10/23~~	~~Unit 3 & 4~~ ~~Review~~		~~STUDY!~~	~~Exam# 2 Due Thursday~~	

~~Week 7~~ ~~10/24-10/30~~	~~Unit 5: Sterile Processing 1. Define terms related to sterile processing.~~ ~~2. Describe the processes of decontamination.~~ ~~3. Describe the manual~~ ~~methods used for cleaning~~ ~~surgical instrumentation~~ ~~and equipment.~~ ~~4. Describe the mechanical methods used for cleaning. 5. Describe the concepts of disinfection. Skill~~ ~~Applications:~~ ~~5. Demonstrate point-of-use cleaning methods.~~		~~Unit #5~~ ~~assigment~~	~~General definitions.~~ ~~1. Terminology~~ ~~2. Decontamination~~ ~~3. Cleaning~~ ~~4. Disinfectants~~	~~10/24 – Diwali~~
~~Week 8~~ ~~10/31-11/6~~	~~Unit 6: Sterile Processing~~ ~~1. Discuss the principles related to preparing items for sterilization.~~ ~~2. Analyze requirements for sterilization & sterile storage.~~ ~~3. Discuss the principles of distributing sterile supplies. 4. Skill Applications:~~ ~~5. Demonstrate the use of various types of sterilization machines.~~ ~~6. Demonstrate proper~~ ~~technique in storing, handling, and distributing sterile supplies.~~	~~Read:~~ ~~Fuller Surgical Technology~~ ~~Principle & Practice 6th Ed.~~ ~~pgs 249-263 280-299~~ ~~Goldman p.~~ ~~41-44~~	~~Unit #6~~ ~~Assignment~~ ~~Quiz #3~~ ~~Due sunday~~	~~High-Temperature Sterilization~~ ~~Low-Temperature Sterilization~~ ~~Sterile Storage & Inventory Management~~	~~10/31 Halloween~~ ~~11/1 – All Saints Day / Día de los Muertos~~ ~~11/2 Election Day~~
Week 9 11/7-11/13	Unit 5 & 6 Review			Unit Exam #3 Thursday	11/5 Daylight Saving Time Ends:

Week 10 11/14-11/20	Unit 7: Surgical Anesthesia • Define terminology • Care & handling of drugs. • Discuss and identify those pharmacological agents used in the sterile field. • Describe factors that influence the selection of Anesthesia & the role of pre op medications. • Describe the types of anesthesia and methods of administration. • Describe the types of anesthesia and methods of administration. • Describe the phases of general anesthesia and staff roles • Identify monitoring devices used in surgery. • Discuss complications resulting from anesthesia	Surgical Technology Principle & Practice 6th Ed. Ch. 7 pgs 345-355, 444	Unit #7 Assignment		Thurs. Nov. 16: Last Day for changing of "INC" for Spring 2023 and/or Summer 2023 classes Mon. Nov. 20: Last Day to file application for January 2024 Degrees
Week 11 11/21-11/27	In Unit 8: Preoperative Diagnosis, Discharge planning & PACU 1. Discuss the care that the surgical patient may receive before and after the scheduled procedure, e.g., diagnostic testing.	Fuller Surgical Technology Principle & Practice 6th Ed. Ch. 3 pgs 30-49	Quiz # 4 Due Sunday		Nov. 22 - Nov. 26: No Clinical this week! THANKSGIVING BREAK Mon. Nov. 27: Classes Resume
Week 12 11/28-12/11	Unit 7 & 8 Review		Unit Exam # 4 Thursday		Wed. Dec. 6: Last Day of Clinical for Fall session A Mon. Dec. 11: Reading Day - No Classes

12/12-12/18 **FINAL EXAM week** 2/19/23- 1/1/23 **WINTER RECESS**	12/25 Christmas 12/26 Kwanzaa 1/1/23 New Year's Day

TO:	Fall 2023 Curriculum Committee
FROM:	Tyronne Johnson, Chair, Department of Allied Health, Mental Health and Human Services
DATE:	10/4/23
RE:	Change in Description for ST 300 – Surgical Technology III

The Department of Allied Health, Mental Health and Human Services is proposing a change in Description for ST 300 – Surgical Technology III.

FROM:

Principles and the practice of surgical technology with a focus on those functions that impact the circulating role. Introduction to surgical pharmacology, anesthesia and wound healing physiology. This course will be taught as a lecture in conjunction with an active hands-on component ~~in the practice lab~~.

TO:

Principles and the practice of surgical technology with a focus on those functions that impact the circulating role. Introduction to surgical pharmacology, anesthesia and wound healing physiology. This course will be taught as a lecture in conjunction with an active hands-on **clinical** component.

Rationale for Change:

Revisions to course description reflects that the corequisite course of ST 3P00 – Practicum I is a clinical component as opposed to a practice laboratory.

TO:	Fall 2023 Curriculum Committee
FROM:	Tyronne Johnson, Chair, Department of Allied Health, Mental Health and Human Services
DATE:	10/4/23
RE:	Change in Prerequisite and Corequisite for ST 300 – Surgical Technology III

The Department of Allied Health, Mental Health and Human Services is proposing a change in the Prerequisite and Corequisite for ST 300 – Surgical Technology III.

FROM:

Prerequisite: ST100 and ST 200

Corequisite: ST 3P00

TO:

Prerequisite: ST100, ST 200, **and ST 2P00**

Corequisite: ST 3P00, **ST 400, and ST 4P00**

Rationale for Change:

The ARC/STSA is a private, non-profit accreditation services agency that provides national recognition for more than 400 higher education programs in surgical technology and surgical assisting in collaboration with the Commission on Accreditation of Allied Health Education Programs (CAAHEP). The ARC/STSA has established August 1, 2024, as the date for full implementation of the Core Curriculum for Surgical Technology (CCST), 7th edition. Surgical Technology programs must be utilizing the (CCST), 7th edition, in its entirety after this date.

The Core Curriculum Revision Panel began the process of completing a peer-reviewed revision of the Core Curriculum for Surgical Technology (CCST), 7th edition, in February 2019. The Panel consisted of representatives of the Association of Surgical Technologists (AST), the Accreditation Council on Surgical Technology and Surgical Assisting (ARC/STSA), and the National Board of Surgical Technology and Surgical Assisting (NBSTSA). The Panel focused on multiple transformations that have occurred in the profession since the publication of the 6th edition while preserving the principles of the entry-level knowledge that the graduate needs to provide safe, quality surgical patient care.

Based on ARC/STSA CCST-7e requirements a number of revisions to Kingsborough's Surgical Technology curriculum was completed in order to ensure full compliance with the ARC/STSA CCST – 7e requirements.

In addition, the program had its reaccreditation visit in June 2023 by the ARC/STSA. They made a number of recommendations for the program.

ST 200 – Surgical Technology II originally incorporated *both* lecture and lab within the one course. It was recommended during our site visit to separate out the laboratory component of the course. In turn, ST 2P00 – Surgical Technology II Laboratory Component was created to address this recommendation, with ST 200 – Surgical Technology II being reconfigured to a 3-credit lecture course that aligns with the ARC/STSA CCST – 7e requirements.

In addition, modification to course content for ST 300 to be compliant with the ARC/STSA CCST – 7e requirements and changes to the program course sequencing, with ST 400, ST 4P00, ST 300, and ST 3P00 now taken in the same semester, will allow for better alignment with student clinical and lecture expectations.

In turn, an update to the prerequisites and corequisites for the course was required to reflect these changes.