

KINGSBOROUGH COMMUNITY COLLEGE

Of

The City University of New York

Department of Nursing

Course ST4

Co-requisites: ST 4

Prerequisites: ST 3, ST3P

Pre/Co-requisites: BIO 12

Winter 2017 / Fall "B" 2016

Credit Hours: 3

Hours: Monday and Wednesday

8:30AM-11:40AM 6 hours/week

Catalogue Description This course is designed to provide the student individualized experience in practice in the field. Emphasis is placed on demonstrating proficiency in skills necessary for participation in basic surgical procedures.

Course Overview This is an orientation to specific surgical specialties including General surgery, surgery of the gastrointestinal tract, biliary system, gynecology, urology, and surgery of the ear, nose and throat. This course intends to introduce the student to each anatomical system with a focused review of pathology in conjunction with those specific procedures performed. The instrumentation and surgical modalities of each specialty will be discussed as it relates to the practice of Surgical Technology. This course will be taught as a 6 hour weekly lecture in conjunction with Practicum II which will provide an active hands-on component.

Student Learning Outcomes

Assessment Measures

1. Discuss the relevant anatomy of the body systems related to general, gastrointestinal, gynecological, ear, nose & throat and urological surgery.	Students will successfully answer examination questions related to the normal anatomic systems of each unit. This includes nerve and blood supply as well as type of surgical approach.
2. Describe the pathology that prompts surgical intervention.	Students will successfully answer examination questions related to the pathology affecting each anatomical system that would require surgical intervention.
3. Discuss preoperative diagnostic tests and preparations.	Students will successfully answer examination questions related to the preoperative preparation of patients requiring surgical interventions for each anatomical system.
4. Identify the names and uses of instruments, supplies and drugs pertinent to each body system	Students will demonstrate a working knowledge of the instruments, supplies and medications related to the surgery for each anatomic system by successfully answering test questions as well as submitting weekly homework assignments.
5. Identify the names and uses of specialized equipment for each system.	Students will recall the appropriate types of equipment specific to each anatomic system by successfully answering test questions related to those systems.
6. Participate in the surgical procedures by passing instruments, sutures and supplies to the surgeon and assistants for the advanced specialties.	The student will complete the Surgical Rotation Documentation according to the proscribed criteria for their participatory role during the surgical intervention.

Course Required Textbooks

Fuller, Joanna K., *Surgical Technology: Principles and Practice, 4th Edition*, Elsevier, 2005

Goldman, Maxine A., *Pocket Guide to the Operating Room, 3rd Edition*, F.A. Davis, 2008

Rutherford, Colleen J., *Differentiating Surgical Supplies and Equipment*, F.A. Davis, 2010

Attendance A student is deemed excessively absent when he or she has been absent 15% of the number of contact hours a class meets during a semester. When a student is excessively absent, a grade of "W" or "WU" will be assigned as described in the college catalog. Missing more than 2 lectures qualifies as a "WU".

Evaluation

Grades will be calculated according to college and departmental policy as follows:

A+ 98-100	A 95-97	A- 90-94	B+ 88-89	B 85-87	B- 80-84	C+ 78-79	C 75-77
C- 70-74	D+ 68-69	D 65-67	D- 60-64	F 59 and below	W Withdrew without penalty	WU Unofficial Withdrawal (Counts as failure)	INC Incomplete. Counts as "F" grade unless work is completed within six months.

Grades will be determined as described below:

Exams (3)	60%
Final Exam	30%
Homework	10%

Policies and Procedures

The Department of Nursing adheres to the Policies and Procedures on Academic Integrity as set forth by CUNY. See the Surgical Technology Student Handbook, the KCC Catalog and website for further details. Students are expected to take all tests when scheduled. Students who do not take a test on the scheduled date are required to take a makeup test. All makeup tests will be given at the end of the semester. 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. All assignments are to be submitted via email and must be received before 8:00 AM on the due date. All other submissions will be assessed 5 points per date 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.

A conference with the instructor is required at mid-semester and at the end of the course to discuss the student's progress. Students may arrange a conference / appointments through the nursing office, M-401, or calling (718) 368-5522 to schedule an appointment on Monday or Wednesday from 12-2pm.

Retention Criteria: *see the current ST Student Handbook for complete retention information*

Learner Objectives	Content/Lecture Discussion
Unit 1	
At the completion of this unit the student will be able to <ol style="list-style-type: none">1. Discuss the anatomy of the general surgical procedures.2. Identify the appropriate instrumentation for the general surgical procedures.3. Discuss the proper handling of specimen for breast procedures; needle localization, frozen section.4. Discuss preparation of vascular access devices for implantation.	General Surgical Procedures <ol style="list-style-type: none">1. hernia procedures2. breast procedures3. venous ligation and stripping4. endoscopy5. catheter/port implantation
UNIT 2	
At the completion of this unit the student will be able to <ol style="list-style-type: none">1. Discuss the anatomy of gastrointestinal procedures.2. Demonstrate the proper application of GI technique.3. Demonstrate the proper use of intestinal staplers.4. Discuss the procedural steps to each procedure.	General Surgical Procedures <ol style="list-style-type: none">1. gastrostomy2. vagotomy3. pyloroplasty4. Roux-en-Y jejunostomy5. colostomy6. colon resection7. hemorrhoidectomy8. pilonidal cystectomy
UNIT 3	
Upon completion of this unit the student will be able to <ol style="list-style-type: none">1. Discuss the anatomy of biliary procedures.2. Discuss the procedural steps to each procedure.3. Demonstrate the use of laparoscopic instrumentation.4. Demonstrate the use of cholangiogram supplies.5. Demonstrate the use of liver biopsy needle.	Biliary Procedures <ol style="list-style-type: none">1. cholecystectomy2. cholangiogram3. common duct exploration4. liver biopsy5. splenic procedures
UNIT 4	
Upon completion of this unit the student will be able to <ol style="list-style-type: none">1. Discuss the anatomy of gynecological and obstetric procedures.	Gynecological and Obstetric Procedures <ol style="list-style-type: none">1. D&C2. Bartholin cystectomy3. hysteroscopy

<ol style="list-style-type: none"> 2. Discuss the procedural steps to each procedure. 3. Demonstrate the use of suction evacuation equipment. 4. Demonstrate the use of uterine manipulators. 	<ol style="list-style-type: none"> 4. laparoscopy, oophorectomy, salpingectomy 5. myomectomy 6. LAVH 7. cervical cerclage
UNIT 5	
<p>Upon completion of this unit the student will be able to</p> <ol style="list-style-type: none"> 1. Discuss the anatomy of ENT procedures. 2. Discuss the procedural steps to each procedure. 3. Demonstrate a T&A set up and discuss the use of each instrument. 4. Demonstrate the proper preparation of a tracheostomy tube and discuss the procedure and possible complications 	<p>Ear, Nose and Throat Procedures</p> <ol style="list-style-type: none"> 1. Myringotomy 2. adenoidectomy 3. tonsillectomy 4. nasal polypectomy 5. Submucous resection 6. thyroidectomy 7. Para thyroidectomy 8. tracheostomy
UNIT 6	
<p>Upon completion of this unit the student will be able to</p> <ol style="list-style-type: none"> 1. Discuss the anatomy of genitourinary procedures. 2. Discuss the procedural steps to each procedure. 3. Demonstrate the use of a variety of urinary catheters. 4. Demonstrate the proper assembling of endoscopic urologic equipment. 	<p>Genitourinary procedures</p> <ol style="list-style-type: none"> 1. circumcision 2. Orchiopexy 3. orchiectomy 4. Hydrocelectomy 5. prostatectomy 6. prostate seeding 7. ureteroscopy 8. cystoscopy 9. ESWL 10. nephrectomy