

KINGSBOROUGH COMMUNITY COLLEGE

Of

The City University of New York

Department of Nursing

ST5P – Practicum III

Prerequisites: ST 4, ST 4P

Pre/Corequisites: BIO 51

Corequisites: ST 5

Course Syllabus: 2009

Credit Hours: 3

Practicum Hours: 16 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 course will afford the student the opportunity to build on skills learned and actively participate in selected surgical procedures in the basic surgical specialties in the clinical environment. . The student will spend 16 hours each week in the clinical setting participating on basic surgical procedures and demonstrating the development of personal skills.

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

1. Prepare the operating room for ophthalmic, vascular, orthopedic, neurosurgery, thoracic, cardiac, trauma and transplant surgery.
2. Identify and secure the supplies and equipment needed for procedures in the basic specialties.
3. Set up basic operative procedures in these specialties.
4. Assist with the preoperative preparation as defined by the Surgical Technologist's role; i.e. positioning equipment, skin prep equipment and draping supplies.
5. Participate in the surgical procedures by passing instruments, sutures and supplies to the surgeon and assistants for the advanced specialties.

Topical Outline:

1. Plastic and Hand Surgery
2. Pediatric Surgery
3. Ophthalmic Surgery
4. Neurosurgery
5. Orthopedic Surgery
6. Vascular Surgery
7. Thoracic Surgery
8. Cardiac Surgery
9. Trauma Surgery
10. Transplant Surgery
11. Emergency Procedures

Teaching Strategies:

Pre and Post conferences

Assigned clinical procedures

Group discussions

Course Requirements:

1. Textbooks

Required:

Fuller, Joanna K., *Surgical Technology: Principles and Practice, 4th Edition*, Elsevier, 2005
AORN Standards, Recommended Practices and Guidelines, AORN Publishers, Denver, Colorado, 2009

Recommended:

Meeker, Margaret, H. and Jane C. Rothrock, *Alexander's Care of the Patient in Surgery*, Mosby, St. Louis, Missouri, 13th Edition, 2007

2. 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.

3. Health Clearance – CPR Training:

Students are required to have health clearance and evidence of CPR training prior to registration.

During the semester any change in the student's health clearance (e.g., serious illness, accident, pregnancy, etc.) necessitates evaluation by student health service. Student responsibility includes notification of the instructor and course coordinator. Health clearance must be maintained to continue course enrollment.

4. Evaluation:

Each student will be responsible to maintain a log of their surgical procedures on the Clinical Core Case Requirement Documentation (CCCRD). The purpose of this document is to ensure that the student participates in the required number of procedures as outlined by the AST requirements. Throughout the program a minimum of 125 cases must be performed in the 1A or 1S role. Thirty five (35) must be solo (1S).

Level I Core Cases:	10
Level II Core Cases:	10
Level I Specialty Cases:	10
Level II Specialty Cases:	5

Students are required to submit weekly case logs for ONE case per week for a total of SIX (6).

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	Term's Work Incomplete. Counts as "F" grade unless work is completed within six months.

Grades will be determined as described below:

Surgical Case Logs 50%

Practical Evaluation 50%

Mid-Term Evaluation

Final Clinical Evaluation

Clinical performance is evaluated as Satisfactory (S) or Unsatisfactory (U). Performance that has been designated as "U" at the end of the course will result in failure of the course (F).

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 initiate conferences at other times.

5. Classroom Decorum:

All pagers and wireless phones must be turned off when in the clinical area.

6. Retention Criteria:

Criteria for retention in the Program mandates that students must:

- a. receive no more than two grades under "C" in any pre or corequisites
- b. earn a minimum final grade of "C" in every Surgical Technology course.
- c. the student must repeat a Surgical Technology course once if the grade is below "C"
- d. a second grade below "C" will result in the student's dismissal from the program.
- e. Students who fail a course achieving a grade of not less than "C-" may apply to repeat the course one time only. Repeating the course is subject to space availability.
- f. Students must submit an **"Intent to Return to Surgical Technology Form"** outlining what they thought caused them to be unsuccessful and include a plan for success that demonstrates significant changes in how they will approach the course when repeated.

7. Dress Requirements:

Students must present themselves as professional role models. Students are to travel to and from health agencies in street clothes.

“In Uniform” refers to the standard uniform of KCC Department of Nursing/Surgical Technology Program

1. All students are to change into appropriate scrubs provided by the agencies
2. A knee-length, white lab coat is to be worn when necessary.
3. The KCC patch is to be sewn on the left upper sleeve of the lab coat.
4. Current KCC Student ID card is to be worn at all times.
5. No jewelry other than plain wedding ring.
6. Nails should not extend beyond the fingertips and should be rounded and clean.
7. No nail polish is permissible in the clinical agencies.
8. Hair is to be clean, off the face and above collar line.
9. Subdued makeup.
10. In the clinical setting, all requirements of the AORN for attire must be maintained.

Learner Objectives	Content/Lecture Discussion
WEEK 1	
<p>Upon completion of this unit the student will be able to</p> <ol style="list-style-type: none"> 1. Discuss the anatomy of plastic surgical procedures. 2. Demonstrate the use of a dermatome and mesh graft dermatome. 3. Discuss the proper use of a pneumatic tourniquet. 4. Demonstrate the proper preparation of a synthetic implant. 5. Demonstrate the proper method of draping for facial and hand procedures, 	<p>Plastic Surgical Procedures</p> <ol style="list-style-type: none"> 1. blepharoplasty 2. liposuction 3. rhinoplasty 4. split thickness skin grafts 5. carpal tunnel release 6. breast reconstruction/augmentation/reduction
WEEK 2	
<p>Upon completion of this unit the student will be able to</p> <ol style="list-style-type: none"> 1. Discuss special considerations for the pediatric patient. 2. Demonstrate the proper draping of pediatric patient.. 	<p>Pediatric Procedures</p> <ol style="list-style-type: none"> 1. pyloromyotomy 2. imperforate anus 3. reduction of intussusception
WEEK 3 & 4	
<p>Upon completion of this unit the student will be able to</p> <ol style="list-style-type: none"> 1. Demonstrate the handling of ophthalmic sutures and instrumentation. 2. Demonstrate the use of supplies specific to ophthalmic procedures. 	<p>Ophthalmic Procedures;</p> <ol style="list-style-type: none"> 1. ectropion/entropion 2. cataract extraction 3. keratoplasty 4. scleral buckling 5. iridectomy 6. excision of pterygium
WEEK 5	
<p>Upon completion of this unit the student will be able to</p> <ol style="list-style-type: none"> 1. Demonstrate the use of neurosurgical supplies; ie retractor clips, lentines 2. Demonstrate the use of neurosurgical equipment; ie. Bipolar cautery 	<p>Neurosurgical Procedures</p> <ol style="list-style-type: none"> 1. peripheral nerve exploration 2. lumbar laminectomy 3. ventricular shunting 4. craniotomy
WEEK 6 & 7	
<p>Upon completion of this unit the student will be able to</p> <ol style="list-style-type: none"> 1. Demonstrate the assembly and disassembly of power instruments. 2. Demonstrate the use of a pneumatic tourniquet. 	<p>Orthopedic Procedures</p> <ol style="list-style-type: none"> 1. bunionectomy 2. knee arthroscopy 3. ORIF ankle 4. rotator cuff repair 5. fixation of femoral head fracture 6. total knee replacement 7. total hip replacement

WEEK 12

Upon completion of this unit the student will be able to

1. Describe the signs and management of an anaphylactic reaction.
2. Describe the signs and management of a transfusion reaction
3. Describe the signs and management of local anesthesia toxicity
4. Describe the equipment and process of suctioning the nose and mouth.
5. Demonstrate competence in Basic Life Support.

Emergency Procedures

1. Anaphylactic shock
2. Transfusion reaction
3. Local Anesthesia Toxicity
4. Suctioning
5. BLS