



Broward Community College

Course Outline

STATUS: A

COMMON COURSE TITLE: Basic Perioperative Nursing Practicum

COMMON COURSE NUMBER: NUR2293L (NSP 2770L)

CREDIT HOURS: 8

LECTURE: 0

LAB: 14

OTHER: 146

COURSE DESCRIPTION: This course is designed to provide laboratory practice and clinical experience for nursing in the operating room or community surgical centers or clinics.

Term Offered: On Demand

UNIT TITLES:

1. Pharmacology
2. Asepsis in General Practice
3. Sterilization/Disinfection/Antisepsis
4. The Sterile Field
5. Patient Care
6. General Surgery
7. Surgical Procedures -- OB/GYN
8. Surgical Procedures -- Cardio-Vascular and Thoracic
9. Surgical Procedures -- Genito-Urinary
10. Surgical Procedures -- Orthopedic
11. Surgical Procedures -- Neurological
12. Surgical Procedures -- Ophthalmic and Otorhinolaryngologic
13. Surgical Procedures -- Plastic and Reconstructive
14. Surgical Procedures -- Pediatric
15. Surgical Procedures -- Emergency

LAST REVIEW Academic Year 2006-07

Interim Revision Dates:

NEXT REVIEW Academic Year 2011-12

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I. Course Overview:

Upon successful completion of this course, the students should be able to demonstrate the skills necessary for initial employment as an efficient member of the operating room nursing team in both the circulator and scrub roles.

II. Units:

Unit 1. Pharmacology

General Outcome:

- 1.0 The students should be able to demonstrate correct techniques and procedures related to surgical pharmacology.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 1.1 Demonstrate the ability to dispense and use medications in the operating room when:
 - A. Added to irrigation solution
 - B. Mixed in I.V.'s (other than anesthesia agents)
- 1.2 Demonstrate the nurse's responsibility during induction and reversal of anesthesia.

Unit 2. Asepsis in General Practice

General Outcome:

- 2.0 The students should be able to demonstrate the principles and practices of asepsis used in the O.R.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 2.1 Demonstrate the eight basic principles of asepsis when performing patient care in the operating room.
- 2.2 Demonstrate the three check points to remember before opening and dispensing sterile supplies.
- 2.3 Apply the principles of aseptic technique when:
 - A. Opening a sterile tray or basin
 - B. Delivering sterile contents to a sterile surface or person
 - C. Pouring sterile solutions into a sterile container

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Unit 3. Sterilization/Disinfection/Antisepsis

General Outcome:

- 3.0 The students should be able to demonstrate principles and practices of sterilization technique used in the O.R.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 3.1 Prepare instruments and equipment for sterilization.
- 3.2. Use the "flash autoclaves" located in the O.R.
- 3.3 Use the washer-sterilizer and the ultrasonic cleaner.

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Unit 4. The Sterile Field

General Outcome:

- 4.0 The students should be able to demonstrate proper procedures within the sterile field.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 4.1 Use packs, sutures, and equipment routinely associated with cases.
- 4.2 Prepare a room for a surgical procedure.
- 4.3. Perform a sterile scrub.
- 4.4. Don a sterile gown and gloves.
- 4.5. Open sterile supplies and equipment.

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Unit 5. Patient Care

General Outcome:

- 5.0 The students should be able to demonstrate skills necessary to perform the duties of the O.R. nurse during the three phases of surgical intervention.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 5.1 Use all permits and consent forms commonly affiliated with the surgical patient.
- 5.2 Admit a patient to the surgical area.
- 5.3 Perform a pre-operative assessment of the patient.
- 5.4 Position a patient on the operating room table.
- 5.5 Perform a surgical skin prep.
- 5.6 Perform a sponge, needle, and instrument count at the proper intervals.
- 5.7 Keep accurate records during the procedure.
- 5.8 Use effectively and safely all equipment employed during a procedure.
- 5.9 Collect and dispense specimens received during the procedure.
- 5.10 Apply a sterile dressing.
- 5.11 Transport a patient, via stretcher, to the P.A.R. Unit.
- 5.12 Perform immediate post-operative assessment techniques used in the P.A.R. Unit.

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Unit 6. Surgical Procedures -- General Surgery

General Outcome:

- 6.0 The students should be able to perform as circulator/scrub in specified areas.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 6.1 Apply information in the following areas while assisting in all phases of O.R. nursing:
 - A. Anatomy

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- E. Positioning
- F. Instrumentation
- G. Suture and supplies
- H. Special equipment
- I. Specimen
- J. Medication and anesthesia
- 6.2 Set-up the following for laparotomy, hernia repair, appendectomy, biliary surgery, and liver and spleen surgery:
 - A. Instrumentation
 - B. Prep Area
 - C. Medications
 - D. Special equipment and supplies
 - E. Positioning

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Unit 7. Surgical Procedures -- O.B./GYN

General Outcome:

- 7.0 The students should be able to perform as circulator/scrub for abdominal cases, vaginal cases, and combined procedures.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 7.1 Set-up for a basic D & C and prep.
- 7.2 Perform a prep for a combined procedure.
- 7.3 Set-up instrumentation and equipment for a laparoscopy.
- 7.4 Perform as an assistant circulator for a "C" section.

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Unit 8. Surgical Procedures -- Cardio-Vascular and Thoracic

General Outcome:

- 8.0 The students should be able to perform as a circulator/scrub for thoracotomy, femoral-popiteal by-pass with graft, AV shunts for dialysis, and bronchoscopy.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 8.1 Select equipment and supplies for:
 - A. Simple vascular surgery
 - B. Pacemaker insertion
- 8.2 Select and use:
 - A. A-line monitoring equipment
 - B. Chest tube drainage equipment
 - C. Vascular grafts
- 8.3 Prepare medications commonly used in cardio vascular surgery.
- 8.4 Explain the procedure and set-up for open heart surgery and the nurse's responsibilities during the procedure.

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Unit 9. Surgical Procedures -- Genito-Urinary

General Outcome:

- 9.0 The students should be able to perform as a circulator/scrub for a variety of closed and open urinary procedures.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 9.1 Set-up for the following cases:
 - A. Cysto
 - B. Cysto with retrograde pyelograms
 - C. T.U.R. prostate and bladder tumor
- 9.2 Apply proper methods of disinfection to the Cysto room.
- 9.3 Select proper supplies, equipment, and instrumentation for:
 - A. Nephrectomy
 - B. Ureterolithotomy
 - C. Circumcision
 - D. Suprapubic prosectomy

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Unit 10. Surgical Procedures -- Orthopedic

General Outcome:

- 10.0 The students should be able to perform as circulator/scrub for total arthrodesis, arthroscopy, nailings (intramedullary), laminectomy, and hip pinnings.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 10.1 Select and set-up a room for a lt. hip.
- 10.2 Use special equipment commonly employed in orthopedics.
- 10.3 Prep.
- 10.4 Assemble and assist in cast applications and removals.
- 10.5 Discuss the eight different types of fractures and the correction procedures used for each.

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Unit 11. Surgical Procedures -- Neurological

General Outcome:

- 11.0 The students should be able to perform as circulator/scrub for craniotomy, cervical laminectomy, and anterior cervical fossa craniotomy.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 11.1 Select the proper instrumentation and special equipment.
- 11.2 Position and prep.
- 11.3 Administer the medications commonly used during neuro cases.
- 11.4 Discuss the two types of emergency procedures performed in neuro surgery.

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Unit 12. Surgical Procedures -- Ophthalmology and Otorhinolaryngology

General Outcome:

- 12.0 The students should be able to perform as circulator/scrub for cataract extraction, retinal detachment, scleral buckling, tonsillectomy, myringotomy, sub-mucosal resection, and radical neck dissection.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 12.1 Select and use equipment employed for a variety of ophthalmologic and otorhinolaryngologic procedures.
- 12.2 Position, set-up, and medicate for a variety of ophthalmologic and otorhinolaryngologic procedures.
- 12.3 Describe the nurse's responsibilities during eye surgery including the following:
 - A. Room atmosphere
 - B. Local anesthesia monitoring
 - C. Pre-surgical procedures

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Unit 13. Surgical Procedures -- Plastic and Reconstructive

General Outcome:

- 13.0 The students should be able to perform as a circulator/scrub for skin grafting, augmentation mammoplasty, rhinoplasty, and blepharoplasty.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 13.1 Select and use special equipment commonly used for plastic surgery.
- 13.2 Position and prep.
- 13.3 Administer medications.
- 13.4 Apply dressings.
- 13.5 Discuss the different types of skin grafting techniques and the nurse's responsibilities during and after the procedure.

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Unit 14. Surgical Procedures -- Pediatric Surgery

General Outcome:

- 14.0 The students should be able to perform as a circulator/scrub for pediatric surgery.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 14.1 Set-up.
- 14.2 Handle environmental control.
- 14.3 Use special equipment.
- 14.4 Position and prep.
- 14.5 Consider safety and emotional factors.
- 14.6 Contrast the differences in nursing management of a neo-nate with that of a pediatric patient.

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Unit 15. Surgical Procedures -- Emergency Surgery

General Outcome:

- 15.0 The students should be able to perform as a circulator/scrub for tracheostomy, trauma to chest or vital organs, ruptured abdominal aortic aneurysm, craniotomy, and post-operative bleeding or complications.

Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 15.1 Locate and use the following:
 - A. Crash cart
 - B. Defibrillator (internal and external)
 - C. Emergency drugs and solutions
- 15.2 Assemble instruments, equipment, and supplies.
- 15.3 Set-up for procedures with speed and accuracy.
- 15.4 Assist the surgical team as needed.