

# **Oakland University School of Nursing**

## **Perioperative Nursing Didactic Content**

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**NRS 4081  
CRN #13949**

**Faculty of Record:**

**STEPHANIE PRECHOWSKI, MSN, RN, AGCNS-BC,  
CNOR**

**Lecturer  
and**

**BARBARA PENPRASE, PhD, RN, CNE, ANEF  
Professor**

**Endowed Professor – Crittenton Hospital Medical Center  
and**

**COURSE NUMBER:** NRS 4081 (491) - CRN #13949

Total Hours  
CREDIT & HOUR \_\_\_\_\_ Credits \_\_\_\_\_ Hrs/Wks \_\_\_\_\_  
Semester \_\_\_\_\_

**ALLOCATION:** Lecturer 1

**COURSE TITLE:** Perioperative Nursing Didactic Content

**CLASS TIME:** 5:00 pm – 9:00 pm – 1/4/18, 1/11/18, 1/18/18, 4/5/18  
**& LOCATION:** 2018 Human Health Building (HHB)  
January 4, 2018 – April 5, 2018

**FACULTY OF RECORD:** Barbara Penprase, PhD, RN, CNE, ANEF, (FOR)  
Professor and Endowed Professor – Crittenton Hospital Med Ctr  
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Lecturer  
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**PREREQUISITES or CO-REQUISITES**

Prerequisites: **Basic-BSN:** NRS 428, NRS 470, NRS 471, & NRS 477  
**ASD:** NRS 480, NRS 481, NRS 482 or NRS 452

Co-requisites: **Basic-BSN:** NRS 473  
**ASD:** NRS 485

**COURSE OVERVIEW**

The purpose of this 1 credit hour course is to prepare student nurses to work in an operating room setting. The course is designed to give the student nurse the opportunity to learn the basic skills of the circulating nurse based on AORN Standards, Recommended Practices and Guidelines for perioperative nursing. Teaching methods will include practicum experiences, observations, weekly examinations, formal papers, presentations and perceptorship. This course is taught in conjunction with Nursing Synthesis (NRS 473 and NRS 485) and is a requirement in order to have a precepted experience in the perioperative setting.

## **COURSE OBJECTIVES**

At the completion of the course, the student will be able to:

1. Understand the historical and theoretical principles applicable to perioperative nursing.
2. Use the nursing process in the care of the patient through the entire perioperative phase.
3. Describe the accountability for the scope and standards of AORN Standards, recommended Practices and Guidelines for perioperative nurses.
4. Perform circulating skills in the specialties of general and gynecological surgical cases.
5. Understand the role of the circulator as a nurse and in relationship to other perioperative care givers.
6. Examine legal-ethical issues relevant to the perioperative nurse.
7. Collaborate with other health care providers to deliver optimal care to the surgical patient and their families.
8. Demonstrate effective use of time and resources in carrying out responsibilities in the practicum setting.

## **ESSENTIAL CONTENT**

Historical Development of Perioperative Nursing

AORN Standards, Recommended Practices and Guidelines

Infection Control

Sterile Processing

Sterile Technique

Sterile Field

Equipment and Supplies

Intra-Operative Routines

Circulating Nurse's Role

## **ESSENTIAL CONTENT (cont'd.)**

Anesthesia and Recovery Room

General Surgery

Gynecological Surgery

Contemporary Issues

## **REQUIRED TEXTBOOKS FOR NRS 491**

Rothrock, J.C. (2015). Alexander's Care of the Patient in Surgery (15<sup>th</sup> ed). Evolve/Elsevier.

## **RECOMMENDED TEXTBOOKS FOR NRS 491**

AORN Guidelines for Perioperative Practice (2017 Ed).

\*\*\*Highly recommend if you know you want to go into the OR. This book can be purchased from the AORN website. I strongly recommend that you join AORN as a student (pretty inexpensive) and that will give you a discount on the book.

Ignatavicius & Workman. (2015). Medical-Surgical Nursing (8<sup>th</sup> Ed). Elsevier/Mosby. ISBN-9781455772551

Perry & Potter. (2014). Clinical Nursing Skills and Techniques. (8<sup>th</sup> Ed). Elsevier/Mosby. ISBN-13: 978-0323083836

## **REQUIRED MATERIALS**

Course Syllabus

## **IMPORTANT DATES**

Please note the last day to add and drop classes at 100% tuition refund for full semester classes for the Winter 2018 semester is **JANUARY 17; MARCH 14** is the last "official" date you can withdraw from the class.

For other important dates please refer to [http://www.oakland.edu/important\\_dates](http://www.oakland.edu/important_dates)

## **DATES AND ROOM NUMBERS FOR CLASSES:**

**Jan 4:** 5pm – 9pm **Room # ??**

**Jan 6:** 9am – 1pm Offsite at Huron Valley Hospital

**Jan 9:** 5 – 9pm Synchronous WebX

**Jan 11:** 5 – 9pm **Room # ??**

**Jan 13:** 9am – 1pm Offsite at Huron Valley Hospital

**Jan 16:** 5pm – 9pm Synchronous WebX

**Jan 18:** 5pm – 9pm **Room # ??**

**Jan 20:** 9am – 1pm Offsite at Huron Valley Hospital

**Feb 1:** 5pm-7pm Synchronous WebX

**Feb 3:** 9am – 1pm Offsite at Huron Valley Hospital

**Feb 15:** 5pm-7pm Synchronous WebX  
**March 8:** 5pm-7pm Synchronous WebX  
**March 22:** 5pm-7pm Synchronous WebX  
**April 5:** 5pm-7pm Room # ??

The week of **JANUARY 22** you will begin your **clinical rotation** in the surgical setting at your assigned hospital. **\*\*You will not be allowed to start clinical until after we have finished the first 3 weeks of class.**

We will have synchronous WebX meetings every other week on Thursday afternoons from 5pm-7pm. We will begin these meetings on **FEBRUARY 1.**

There will be **NO CLASS OR CLINICAL ALLOWED** on the following dates:  
**JAN 15** (Martin Luther King Day), **FEB 18 – FEB 25** (Winter Recess)

**LAST DAY** for clinicals: **APRIL 17<sup>TH</sup>**

### **IMPORTANT INFORMATION**

1. Attendance at lecture is expected.
2. Attendance at all quizzes is mandatory.
3. Lecture evaluation will be based on quizzes and class participation. At faculty discretion, make-up quizzes will only be given in extenuating circumstances. The student will be required to submit documentation pertaining to their reason for absence. Only one make up quiz is allowed per semester. After the first missed quiz, a grade of “0” will be given for each quiz missed thereafter. No other arrangements will be made for any student who misses a regularly scheduled examination.
4. During all quizzes, faculty will determine seating arrangements. Nothing is permitted on the desk except the quiz and 2 pencils. All belongings are to remain on the floor in the front of the classroom. If a cell phone or other electronic device sounds during a quiz, faculty will immediately collect the student’s quiz and determine appropriate course of action.
5. At faculty discretion, students will be asked to show their student picture ID card for identification purposes during quizzes.
6. Students are responsible for monitoring their own quiz-taking time, so that quizzes are completed in the allotted time.
7. Your signature on the quiz signifies that you have neither given nor received assistance on the exam (cheating). All quizzes are considered “secure”, and therefore should never be removed from the classroom.
8. Moodle will be used to communicate course activities and changes. Students are expected to check Moodle on a regular basis. The Firefox server is recommended by the Moodle IT department for accessing and completing Moodle activities. The Moodle Help Desk can be reached at 248-805-1625.

## **COURSE STRUCTURE**

The purpose of this 1 credit course is to prepare student nurses to work in a perioperative setting. The course is designed to provide the student nurse the opportunity to learn the basic skills of the circulating nurse based on AORN Perioperative Standards and Recommended Practices. This course is taught in conjunction with NRS 473/485 – Perioperative Clinical.

This course will be fast paced and will cover a large amount of material. Nursing care of the perioperative patient is based on your knowledge and comprehension of basic anatomy, physiology, disease prevention, and concepts from communication, physical assessment, and spirituality. The three domains of learning: cognitive, psychomotor, affective will be addressed during this educational opportunity. In the cognitive domain, students will gain knowledge and understanding of perioperative nursing practice by attending lecture. Psychomotor learning will take place by performing basic perioperative skills in the actual setting with a preceptor. Affective learning will occur as the students will reflect on their experiences and compose their thoughts in daily logs.

## **CLASS FORMAT**

Required reading are referenced in the syllabus but will be re-emphasized in class. It is expected that students will be prepared for class by reading the material provided. Thus, the readings will provide you with a breadth of material, and use the class periods primarily to concentrate on a more detailed analysis and discussion of selected topics (i.e., depth of coverage) that are drawn from the readings. This also means that you will be reading a large amount of information that will not be covered in class, but will be covered on the quizzes. Please feel free to raise any questions you may have about material that isn't (or is) being covered in class. Your comments and questions are welcomed, encouraged and valued! The class is not going to be taught in a traditional manner. We use what is called "flipped classroom" method of teaching which is based on active learning strategies. There will not be a traditional lecture but instead there will be lots of discussion of concepts and reinforcement with simulation and hands on experience. Quizzes will be the "test" of your knowledge base.

## **EVALUATION METHODS**

You will be evaluated in NRS 491 based on: Quiz scores, daily logs, and class participation

8 Quizzes: Each quiz is worth 10 points (drop lowest grade)	= 70 points
Class Attendance/Participation	= 30 points maximum
Total	100 points

## **General Information**

- If you want to contact either of the professors, it is best to through Moodle. However, Dr. Penprase's cell phone number is 248-892-0354 if there is an immediate need to contact a faculty member.
- Email messages should be sent ONLY through the course site's e-mail system. Please do not send to the Oakland.edu e-mail.

- Any general information about the course, assignments, etc can be done through Moodle. Also, remember that in the discussion area, faculty can read your postings.
- If you need to meet with either of the faculty, an appointment will be scheduled upon common availability.

Review of Quizzes:

Results of quizzes will be shared with students in the next class following the quiz. Students will have **one week** after the quiz is reviewed to make an appointment to review the quiz.

All students are directed to the Student Handbooks for the School of Nursing’s “Policies and Procedures for Progression, Retention and Dismissal”. Please refer to the last page for the School Of Nursing Grade Conversion.

**ACADEMIC CONDUCT AND PROFESSIONALISM**

Completion of all course related assignments must be the result of the student’s individual effort, except in the circumstance where the assignment requires group effort. Students will be prohibited from taking and/or receiving the efforts of another person on any exam or assignment, prohibited from using unauthorized resources on quizzes, prohibited from giving and/or selling other student/faculty papers or assignments **unauthorized by the instructor.**

Plagiarism will not be tolerated and resource materials should be referenced using APA format for applicable course assignments.

Penalties for academic misconduct in this course will be severe and will result in a numerical grade of 0.0 for this course.

**COURSE OUTLINE**

All lecture topics and readings are contingent on progress made in the lecture/discussion in the classroom. Thus, the professor may change or add to topics and/or readings as deemed necessary. Any change in reading assignments will be posted on *Moodle* forum. Reading assignments will be provided during class time for the following class. Please read **PRIOR** to lectures.

**CLASS SCHEDULE\***

**Jan 4: Thursday – Introduction (In Class)**

Review of syllabi/course outline  
Expectations: Student/Preceptor

**History of Perioperative Nursing**

Perioperative Nursing Practice  
Assessment  
Nursing diagnoses, Outcome, AORN – Standards and Practices



## **Roles**

- Circulating Nurse
- Surgical Technologist
- CRNA
- Anesthesiologist
- Surgeon
- Ancillary personnel (PCA, Pharmacist, X-Ray Tech)

Rothrock: Chapter 1

## **Purpose of the Surgical Setting**

- Safety and Fire Issues in the OR
- Routines –
  - Preoperative
    - Consents/chart/paper work
  - Intra-operative
  - Post-operative

Rothrock: Chapter 2

## **Work Place Issues**

Rothrock: Chapter 3;

## **Infection Control (Chapter 4; pgs 69-86)**

- Surgical Asepsis History
- Microbiology
- Pathogen v/s non-pathogen
- Viruses
- Infectious Process
- Controlling infection
- Universal Precautions

## **Decontamination/Disinfection Process (pgs 87 – 103)**

- Sterilization principles
- Physical equipment
  - Steam
  - Chemical
- Packaging
- Chemical Indicators/Biological Monitors
- Autoclaving/Steam/Chemical/Ethyl Oxide/Biological Testing

## **Jan 6: Saturday – Offsite experience at Huron Valley**

## **QUIZ 1**

- Operating Room Attire (pgs 105-108)
- Surgical Hand Hygiene (pgs 108-110)
- Traffic Patterns in the Surgical Suite (p 105)
  - Unrestricted
  - Semi-restricted
  - Restricted

Temperature and Humidity Control in the OR (pg. 87)

**Jan 9: Tuesday – Fundamentals of Asepsis (WebX)**

**QUIZ 2**

\*Complete any information

**Fundamental of Asepsis**

- Sterile Field
- Gowning/Gloving
- Draping
  - Materials used
  - Procedures
  - Documentation

Rothrock: Chapter 4

**Preparing for the Surgical Procedure**

- Roles and responsibilities of the RN/ST
  - Preliminary preparation
  - Preference Cards
- Furniture and equipment
- Creating and maintaining a sterile field
  - Mayo stand
  - Back table
  - Boundaries
  - Sterile packs
  - Basin sets
  - Sponges

Rothrock: Chapter 4

**Jan 11: Thursday (In Class)**

**QUIZ 3**

\*Complete any content information

**Perioperative Safety**

- Time out
- Positioning
  - Devices/Body mechanics and transferring
- Skin preparation
  - Purpose
  - Boundaries/site selection
  - Hair removal/clipping
- Electrosurgical Equipment
  - Purpose
  - Units
    - Monopolar
    - Bipolar
- Counts

- Instrument
- Sharps/suture
- Sponge
- Instrumentation
  - General
  - Specialty
  - Handling
  - Proper usage/care/storage

Rothrock: Chapters 6 & 8

### **Jan 13: Saturday – Offsite at Huron Valley Hospital**

### **Jan 16: Tuesday (WebX)**

### **QUIZ 4**

\*Complete any content information

#### **Sutures**

- Types/Classification
  - Absorbable/non-absorbable
  - Tensile strength/diameter
  - Aseptic transfer
  - Color coding

#### **Needles**

- Types/classification
  - Free
  - Retention needles
- Points/Shafts
- Methods
- Staples

#### **Wound healing**

- Types of wounds
- Methods of wound healing
- Phases of healing
- Factors affecting wound healing
- Complications
- Classification of surgical wounds

#### **Dressing**

#### **Drains**

#### **Counts**

Rothrock: Chapters 7 & 9

### **Jan 18: Thursday – Anesthesia and Medication (In Class)**

### **QUIZ 5**

- General anesthesia
- Stages of anesthesia
- Complications

Regional anesthesia  
    Spinal  
    Epidural  
Local  
Hemostatic Agents  
Solutions  
Antibiotics

Rothrock: Chapter 5

**Jan 20: Saturday** – Offsite experience at Huron Valley Hospital

**Jan 22: Monday** – Start clinical rotations

**Feb 15: Thursday** – PACU (WebX)

Chapter 10

**QUIZ 6**

**Feb 3: Saturday** – Offsite experience at Huron Valley Hospital

**Feb 15: Thursday** – Lasers, Microscopes, Cell saver, Pneumatic Tourniquet,  
Powered Instruments (WebX)

**QUIZ 7**

Pgs: 237-239; 644-645; 692-693; 795-796; 828-829

**NO CLASSES/CLINICAL Feb 18 – 25 (WINTER RECESS)**

**MARCH 8: Thursday** – DNR/Code status (WebX)

Pgs: 44, 1102

**MARCH 22: Thursday** – AORN Guidelines (WebX)

**QUIZ 8**

**APRIL 5: Thursday** – Last class (In Class)

To discuss clinical experiences

Rothrock: Most of this content will be covered in other lectures but if not we will review this week any content that has been missed. The information will have been covered in chapters already read.

\*Please note the above outline may be changed due to OR clinicals/experiences

**Class Participation:** Up to 30 points will be awarded for attendance/participation during the course/class. An example would be attendance at an AORN meeting or conference related to perioperative nursing.

Additional information:

- Please submit during Thursday call time

- No nail polish is to be worn at the clinical site
- No acrylics or shellac are to be worn at the clinical site
- No earrings are to be worn at the clinical site
- Watches and plain bands are allowed to be worn at the clinical site
- Necklaces must be contained under your scrubs
- Eye protection must be worn at all times
- Warm up jackets are allowed
- Use cologne/perfume sparingly (can nauseate patients who have been NPO)
- You are expected to be on time for all clinicals unless an emergent situation occurs
- In the event that you will be late or absent, you are to contact the clinical site (be certain to obtain contact information on your first clinical day) and you are to contact me (via email or cell phone)

### **Quiz Schedule**

<b>Quiz #</b>	<b>Content Covered</b>
<b>1</b>	Lecture content up to Jan 4
<b>2</b>	Lecture content up to Jan 4
<b>3</b>	Lecture content up to Jan 9
<b>4</b>	Lecture content up to Jan 11
<b>5</b>	Lecture content up to Jan 16
<b>6</b>	Lecture content up to Jan 18
<b>7</b>	Lecture content up to Feb 1
<b>8</b>	Lecture Content up to March 8

**Oakland University School of Nursing  
GRADE CONVERSION**

*Note: 70% = 2.5*

<u>PERCENTAGE</u>	<u>GPA</u>
100.00	4.0
98.00 – 99.99	3.9
96.00 – 97.99	3.8
94.00 – 95.99	3.7
92.00 – 93.99	3.6
90.00 – 91.99	3.5
88.00 – 89.99	3.4
86.00 – 87.99	3.3
84.00 – 85.99	3.2
82.00 – 83.99	3.1
80.00 – 81.99	3.0
78.00 – 79.99	2.9
76.00 – 77.99	2.8
74.00 – 75.99	2.7
72.00 – 73.99	2.6
70.00 – 71.99	2.5
68.00 – 69.99	2.4
66.00 – 67.99	2.3
64.00 – 65.99	2.2
62.00 – 63.99	2.1
60.00 – 61.99	2.0
58.00 – 59.99	1.9
56.00 – 57.99	1.8
54.00 – 55.99	1.7
52.00 – 53.99	1.6
50.00 – 51.99	1.5
48.00 – 49.99	1.4
46.00 – 47.99	1.3
44.00 – 45.99	1.2
42.00 – 43.99	1.1
40.00 – 41.99	1.0