



# COURSE OUTLINE

## PNG236

Prepared: Gwen DiAngelo    Approved: Bob Chapman

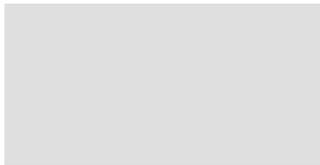
<b>Course Code: Title</b>	PNG236: NURSING PRACTICE III
<b>Program Number: Name</b>	3024: PRACTICAL NURSING
<b>Department:</b>	PRACTICAL NURSING
<b>Semester/Term:</b>	17F
<b>Course Description:</b>	This course is comprised of three components: clinical, lab theory and practice and math calculations for drug dosages. The clinical component will provide the learner with opportunities to examine the role of the practical nurse when caring for individuals experiencing acute or chronic health challenges. The lab theory and practice component of this course will provide learning to occur through application of theory and practice in the simulation lab setting. The third component of this course will provide the learner with the opportunity to utilize basic mathematical skills to demonstrate accuracy in calculating drug dosages.
<b>Total Credits:</b>	16
<b>Hours/Week:</b>	16
<b>Total Hours:</b>	224
<b>Prerequisites:</b>	PNG130, PNG131
<b>Corequisites:</b>	PNG233, PNG234, PNG237, PNG238
<b>This course is a pre-requisite for:</b>	PNG241, PNG243, PNG250, PNG252, PNG253, PNG260
<b>Vocational Learning Outcomes (VLO's):</b>	<p>#1. Communicate therapeutically with clients and members of the health care team.</p> <p>#2. Assess clients across the life span, in a systematic and holistic manner.</p> <p>#3. Plan safe and competent nursing care, based upon a thorough analysis of available data and evidence-informed practice guidelines.</p> <p>#4. Select and perform nursing interventions using clinical judgment, in collaboration with the client and, where appropriate, the health care team, that promote health and well-being, prevent disease and injury, maintain and/or restore health, promote rehabilitation, and/or provide palliation.</p> <p>#5. Evaluate the outcomes resulting from all interventions in the nurse-client interaction and modify the plan of care as required.</p> <p>#6. Act equitably and justly with clients and members of the health care team.</p> <p>#7. Adapt to a variety of health care settings, using different leadership skills and styles as</p>
<b>Please refer to program web page for a complete listing of program outcomes where applicable.</b>	



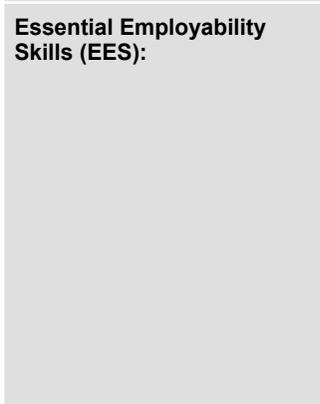
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appropriate to each setting.  
#8. Contribute to creating a healthy and safe work environment in a variety of health care settings.  
#9. Practise in a self-regulated, professional and ethical manner, complying with relevant legislation and with the standards of both the regulatory body and the practice setting to provide safe and competent client care.



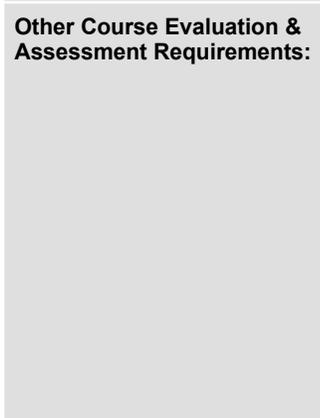
**Essential Employability Skills (EES):**

- #1. Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.
- #2. Respond to written, spoken, or visual messages in a manner that ensures effective communication.
- #3. Execute mathematical operations accurately.
- #4. Apply a systematic approach to solve problems.
- #5. Use a variety of thinking skills to anticipate and solve problems.
- #6. Locate, select, organize, and document information using appropriate technology and information systems.
- #7. Analyze, evaluate, and apply relevant information from a variety of sources.
- #8. Show respect for the diverse opinions, values, belief systems, and contributions of others.
- #9. Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.
- #10. Manage the use of time and other resources to complete projects.
- #11. Take responsibility for ones own actions, decisions, and consequences.



**Course Evaluation:**

Satisfactory/Unsatisfactory



**Other Course Evaluation & Assessment Requirements:**

A final grade of Satisfactory is required to pass PNG236. The student must achieve a satisfactory outcome in all components of the course. Each of the three (3) component are graded separately in the evaluation process.

Grading will be determined by the following components:

Lab Tests

- Achieve 60% (overall) on 3 lab tests. Supplemental testing is not available.

Clinical Placement

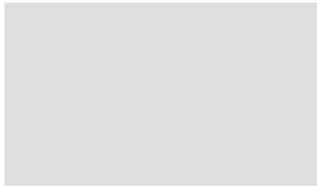
- Demonstrate consistently the overriding principles of safety, accountability and responsibility in all practicum components
- Achieve the learning outcomes of PNG236
- Complete and be prepared to discuss self evaluation requirements at scheduled mid rotation and end of rotation evaluations with clinical teacher (supporting grades with comments demonstrating self-reflection).



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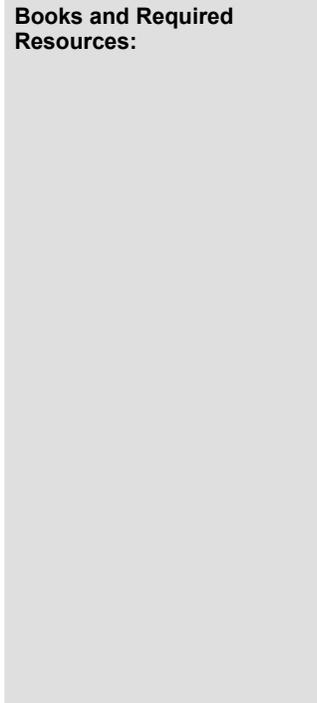
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Math for Medication Administration Tests

- Achieve a minimum average of 90% (overall) on 4 Drug Calculation Tests to be satisfactory in the Math for Medication Administration component of the course.
- Supplemental testing is not available.

For further information relating to practicum/lab program policies, refer to the Student Success Guide. Clinical makeup is not available for missed clinical hours.



### Books and Required Resources:

Nursing Diagnosis Handbook: An Evidence-Based Guide to Planning care by Ackley, B.J. & Ladwig, G.B.  
Publisher: Elsevier Edition: 10th

Skills in Clinical Nursing by Berman, A. J. and Snyder, S.  
Publisher: Pearson Education Edition: 8th

Medical Surgical Nursing Care by Burke, K., Eby, L. P., Mohn-Brown, L.  
Publisher: Prentice-Hall Edition: 4th

Lippincott's Nursing Drug Guide. by Karch, A  
Publisher: Lippincott, Williams and Wilkins Edition: Canadian

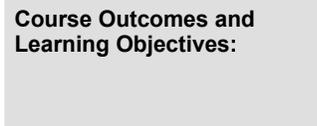
Fundamentals of Canadian nursing by Kozier, B. [et al.].  
Publisher: Pearson Education Edition: 3rd Canadian

Handbook of Lab and Diagnostic Tests with Nursing Implications by LeFever Kee, J.  
Publisher: Pearson Education Edition: 9th

Online Practice Standards and Guidelines by College of Nurses of Ontario  
Publisher: College of Nurses of Ontario

PNG236 Lab Manual by Faculty  
Publisher: Sault College  
Provided by the professor.

OPTIONAL - MediQuik Drug Cards by Lippincott, Williams and Wilkins  
Publisher: Lippincott, Williams and Wilkins



### Course Outcomes and Learning Objectives:

## Course Outcome 1.

Clinical Component  
1.0 Practice in a professional manner in accordance with the College of Nurses of Ontario



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“Standards of Practice”.

### **Learning Objectives 1.**

- 1.1 Demonstrate accountability for own personal and professional growth.
- 1.2 Maintain a distinction between professional and social roles.
- 1.3 Engage in reflective practice to promote further learning
- 1.4 Accept constructive criticism and evaluative feedback to appropriately promote change.
- 1.5 Comply with the practice setting established standards and practice expectations.
- 1.6 Accept accountability for own decisions and actions.
- 1.7 Report and record significant information accurately, confidently and respectfully to appropriate individuals, peers, faculty and agency personnel.
- 1.8 Identify when personal values and beliefs conflict with the ability to maintain commitments to the client\*.
- 1.9 Demonstrate self-care practices that promote personal health and wellness.
- 1.10 Demonstrate accountability and responsibility in attending clinical placement according to college policy.
- 1.11 Recognize the right of the client\* to make own health choices.
- 1.12 Describe opportunities to improve the level of health care in the community.
- 1.13 Demonstrate leadership qualities in clinical experiences.

### **Course Outcome 2.**

Clinical Component

- 2.0 Display caring behaviours when interacting with acutely ill clients.

### **Learning Objectives 2.**

- 2.1 Create an atmosphere of mutual trust, acceptance and respect.
- 2.2 Demonstrate a supportive and \*client-centred approach.
- 2.3 Use a non-judgmental attitude, empathy and genuineness when interacting and advocating with or for clients\*.
- 2.4 Display sensitivity to beliefs, values and practices of various lifestyles and cultures.
- 2.5 Establish therapeutic relationships that promote the achievement of expected health outcomes of the client\*.
- 2.6 Apply appropriate therapeutic communication techniques:
- 2.7 Demonstrate confidence in promoting the self-care abilities of the client\*.
- 2.8 Promote and preserve the self-esteem and self-confidence of client\*.



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2.9 Balance technical and technological aspects of nursing with a humanistic attitude and holistic approach.

### **Course Outcome 3.**

Clinical Component

3.0 Practice interpersonal skills, which promote and maintain caring relationships with individuals, families, peers, faculty and agency personnel through collaboration and collegueship.

### **Learning Objectives 3.**

3.1 Participate as a contributing member of the team in providing care for the client\*.

3.2 Utilize basic measures to bring about the resolution of conflict.

3.3 Follow verbal and non-verbal directions safely, responsibly and consistently.

3.4 Adapt communication strategies to meet the needs of the client\*.

3.5 Support the right to privacy and confidentiality of the client\*.

3.6 Act in a professional manner when communicating with clients\*, families, peers, faculty and agency personnel.

3.7 Support the client\* with informed decision making.

3.8 Promote the nurse's role as a client\* advocate

### **Course Outcome 4.**

Clinical Component

4.0 Apply the nursing process to organize and provide safe, competent basic nursing care for the client with acute health challenges.

### **Learning Objectives 4.**

4.1 Demonstrate the ability to conduct purposeful client\* interviews.

4.2 Gather data through history taking, interviewing, consultation, physical examination and review of available records.

4.3 Assess the client\* accurately on an on-going basis.

4.4 Differentiate between relevant and non-relevant observations to be reported and recorded.

4.5 Identify the expected health outcomes (goals) of the client\*.

4.6 Plan individualized care according to assessment, pre-clinical preparation and



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- evidence-based nursing practice.
- 4.7 Develop daily organizational plans to manage time selected nursing responsibilities.
  - 4.8 Adapt organizational plan to reflect changing priorities based on client\* needs
  - 4.9 Apply nursing knowledge and critical thinking to set priorities in providing comprehensive holistic nursing care.
  - 4.10 Perform selected nursing interventions consistently in a safe competent client\*-centred manner that minimizes risk and maximizes benefits to client\*.
  - 4.11 Apply the concepts of health promotion, health protection, and prevention, (therapeutic treatment), rehabilitation and/or restorative care to the plan of care of the client\*.
  - 4.12 Promote the use of community agencies to assist client\* when appropriate.
  - 4.13 Evaluate achievement of expected outcomes (goals).
  - 4.14 Revise the plan of care as needed.
  - 4.15 Document relevant data in a concise and timely manner, according to "CNO Standards" and agency policy.
  - 4.16 Integrate the concepts of drug calculations.

### **Course Outcome 5.**

Clinical Component

5.0 Apply the theories of growth and development and the change process to promote the optimal health and wellness.

### **Learning Objectives 5.**

- 5.1 Assess the client\* based stages of life.
- 5.2 Establish expected outcomes (goals) in collaboration with the client\*.
- 5.3 Plan nursing interventions based on the selected stage of growth and development in collaboration with the client\*.
- 5.4 Implement nursing interventions in collaboration with the client\*.
- 5.5 Provide dignified, comfortable care for the dying client\*.
- 5.6 Evaluate the extent to which the desired outcomes (goals) have been met

### **Course Outcome 6.**

Clinical Component

6.0 Utilize principles of teaching-learning to promote optimal health, wellness and safety of the client\*.



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### **Learning Objectives 6.**

- 6.1 Assess the health status of the client\* to determine learning needs.
  - 6.2 Develop a teaching plan in collaboration with the client\*.
  - 6.3 Apply principles of teaching-learning to facilitate client's\* understanding.
  - 6.4 Implement relevant and age-appropriate teaching plan to promote optimal health, wellness and safety of the client\*.
- Examine the effectiveness of the teaching plan for the client\*.  
Modify the teaching plan based on the evaluation of results.

### **Course Outcome 7.**

Clinical Component

- 7.0 Apply research findings to support nursing practice.

### **Learning Objectives 7.**

- 7.1 Use evidence-based information to assess client\* health status.
- 7.2 Provide a safe environment for the client\* based on current and relevant research.
- 7.3 Participate in scholarly activities to support nursing practice.

### **Course Outcome 8.**

Lab Theory and Practice Component

- 8.0 Demonstrate techniques required for pre and post-operative care.

### **Learning Objectives 8.**

- 8.1 Competently perform a pre-operative and postoperative assessment.
- 8.2 Discuss the relevance of health teaching regarding deep breathing and coughing, use of incentive spirometer and leg exercises.
- 8.3 Prepare a client for surgery.
- 8.4 Provide nursing care during early postoperative recovery.
- 8.5 Demonstrate use of various O2 administration devices.
- 8.6 Explain the use of sequential compression devices.
- 8.7 Document according to CNO standards.



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### **Course Outcome 9.**

Lab Theory and Practice Component

9.0 Apply knowledge of surgical asepsis in caring for clients with a variety of wounds.

### **Learning Objectives 9.**

9.1 Explain rationale for the use of common types of wound dressings.

9.2 Apply principles of surgical asepsis when performing:

9.2.1 Wound care using various wound dressings.

9.2.2 Irrigation and packing of wounds.

9.2.3 Care of Hemovac, Jackson-Pratt and T-Tube drains

9.2.4 Drain shortening and removal

9.2.5 Suture and staple removal

9.2.6 Steri-strip application

9.2.7 Vacuum assisted closure (VAC) therapy

9.2.8 Wound culture

9.3 Explain the principles of VAC therapy.

9.4 Document according to CNO standards.

### **Course Outcome 10.**

Lab Theory and Practice Component

10.0 Apply knowledge of the principles of safe medication administration.

### **Learning Objectives 10.**

10.1 Apply the principles of medication administration to prepare and administer medication using a variety of routes.

10.2 Pour/prepare and administer a variety of medications using the principles of medication administration and appropriate decision tree.

10.3 Document according to CNO standards.

10.4 Identify responsibilities associated with medication errors.

10.5 Identify significant issues related to the administration of narcotics and other high risk medications (e.g. insulin and anticoagulants).



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### **Course Outcome 11.**

Lab Theory and Practice Component

11.0 Demonstrate appropriate knowledge and techniques for parenteral medications/ injections.

### **Learning Objectives 11.**

11.1 Discuss rationale for choosing the recommended route and site.

11.2 Landmark injection sites correctly.

11.3 Identify all equipment necessary for different routes of parenteral medication administration.

11.4 Prepare and administer parenteral medications by intradermal, subcutaneous and intramuscular routes using aseptic technique.

11.5 Discuss how to determine the compatibility of medications using a chart.

11.6 Mix medications from two vials.

11.7 Mix medications from a vial and an ampule.

11.8 Withdraw medications from vials and ampules competently.

11.9 Discuss precautions required when administering parenteral injections.

11.10 Safely dispose of equipment.

11.11 Document according to CNO standards.

### **Course Outcome 12.**

Lab Theory and Practice Component

12.0 Demonstrate knowledge of the principles of tube feedings and administration of medication via enteral routes.

### **Learning Objectives 12.**

12.1 Differentiate between tube feedings via Nasogastric, Naso-intestinal tube or Gastrostomy routes.

12.2 Demonstrate safe administration of feedings including verifying tube placement, irrigating tubes and checking for residuals.

12.3 Identify and effectively manage complications.

12.4 Administer medication via Nasogastric or Gastrostomy tubes.

12.5 Document according to CNO standards.



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### **Course Outcome 13.**

Lab Theory and Practice Component

13.0 Apply appropriate techniques for alternate routes of medication delivery.

### **Learning Objectives 13.**

- 13.1 Identify all equipment necessary for different routes of medication administration.
- 13.2 Discuss precautions required when administering medications by a variety of routes.
- 13.3 Document according to CNO standards.

### **Course Outcome 14.**

Lab Theory and Practice Component

14.0 Demonstrate knowledge of the principles of intravenous (IV) therapy.

### **Learning Objectives 14.**

- 14.1 Prepare the equipment for IV administration.
- 14.2 Prepare the client for IV administration.
- 14.3 Maintain, flush and discontinue an IV/saline lock.
- 14.4 Calculate and regulate the rate of IV infusions.
- 14.5 Calculate and regulate IV rate using a pump.
- 14.6 Change the IV tubing and solution bag.
- 14.7 Change the gown of a client with an IV.
- 14.8 Change an IV bag on an established IV set-up.
- 14.9 Convert an IV to a saline lock.
- 14.10 Recognize and intervene if IV complications arise.
- 14.11 Document according to CNO standards.

### **Course Outcome 15.**

Lab Theory and Practice Component

15.0 Apply knowledge of the principles of administration of blood/blood product(s).



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### **Learning Objectives 15.**

- 15.1 Prepare the equipment for administration.
- 15.2 Prepare the client.
- 15.3 Calculate and regulate flow rates.
- 15.4 Recognize and intervene when problems or complications arise.
- 15.5 Document according to CNO standards.

### **Course Outcome 16.**

Lab Theory and Practice Component

- 16.0 Apply knowledge of the principles of nasogastric decompression.

### **Learning Objectives 16.**

- 16.1 Identify equipment required.
- 16.2 Prepare client for nasogastric tube insertion.
- 16.3 Insert a nasogastric tube for decompression and feeding.
- 16.4 Verify tube placement using a variety of methods.
- 16.5 Measure drainage and determine IV replacement needs.
- 16.6 Relieve tube blockages.
- 16.7 Observe for complications.
- 16.8 Remove nasogastric tubes.
- 16.9 Document according to CNO standards.

### **Course Outcome 17.**

Lab Theory and Practice Component

- 17.0 Apply current evidence-based practice knowledge as it relates to learned skills.

### **Learning Objectives 17.**

### **Course Outcome 18.**



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Math for Calculation of Drug Dosages Component  
1.0 Demonstrate basic mathematical skills to safely administer medications in the clinical setting to clients across the lifespan.

### **Learning Objectives 18.**

18.1 Demonstrate skills and accuracy in the following mathematical processes: addition, subtraction and multiplication of whole numbers, fractions, decimals and percentages.

18.2 Demonstrate skill and accuracy in the following algebraic process: ration and proportion.

18.3 Demonstrate accuracy when converting between the following systems of measurement: apothecary, common household quantities, the metric system and the Imperial system.

18.4 Practice dosage calculation problems using a selected formula for oral and parenteral routes.

18.5 Accurately solve mathematical problems by applying different calculation techniques in order to provide safe nursing care.

18.6 Demonstrate skill and accuracy when calculating a medication dosage using both the formula and ratio/proportion methods.

18.7 Demonstrate skill and accuracy when calculating a medication dosage using body height and/or body weight as a factor.

**Date:**

Wednesday, August 30, 2017

Please refer to the course outline addendum on the Learning Management System for further information.