

NURS 321: Keyano College

Nursing Practice - Advanced Acute Care I

COURSE OUTLINE

Note: students are expected to familiarize themselves with this course outline, the Undergraduate Nursing Programs Student Manual and Moodle site.

Calendar statement

NURS 321 - Nursing Practice - Advanced Acute Care I

★3 This acute care practicum builds on the concepts and intentional clinical learning from NURS 221/SC INF 221 and NURS 225. The focus is on integrating prior learning to move towards providing comprehensive patient and family centered care and socialization to the role of the nurse in an acute care setting. Note: Available only to nursing students in the Collaborative/Honors Program or Bilingual Program. Prerequisites: NURS 216, NURS 224 (or NURS 307), and NURS 225 (or NURS 308).

Course hours (for this term)

Lecture: 4 hours

Lab: 8 hours

Clinical: 24 hours/week over 4 weeks (96)

Learning objectives

Upon completion of this course, the student must be able to:

1. Identify and integrate nursing concepts learned in prior and concurrent courses into clinical practice.
2. Apply weekly nursing concepts learned in NURS 321 lecture and lab into clinical practice.
3. Organize and provide comprehensive care based on initial and ongoing assessments, utilizing all aspects of the nursing process, of adult patients in acute care settings within the scope of practice of a student in NURS 321.
4. Explore and develop the concepts of professional practice and socialization as it relates to the Registered Nurse (RN) role in interprofessional teams.

Title	Name	Office number	Phone number	email
Clinical, Lecture, & Lab Instruction	Krista Petten	CC-187F	780-792-8906	Krista.Petten@keyano.ca
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Clinical Instruction	Celestin Coburn			Celestin.Coburn@keyano.ca

Note:

- Please allow 2 business days for a response. Include your course name in your subject line.
- Professional and respectful communication is expected.
- Please inquire with your instructor regarding office hours.

Communication:

It is the students' responsibility to ensure that they check Moodle courses at minimum of twice daily, once in morning and evening. It is recommended to check Moodle more frequently. It is the students' responsibility to ensure thorough review of all resources and content on the Moodle course site. The instructors have placed many resources and documents to ensure the students' success in each course.

Instructors will communicate with the student group by announcements in the news forum on Moodle. Please ensure that you check this at least twice daily.

It is the students' responsibility to check their Keyano College email at minimum of twice daily, once in morning and again in evening. It is recommended to check email more frequently. Please note that the

method to contact your instructor is email. Please allow a 48-hour minimum response time from your instructor on business days. Instructors will not be checking emails on evenings and weekends/holidays. Do not text or call your instructor unless you will be absent for clinical that day; inquiries related to assignments and course content will be sent in an email to your instructor.

Required textbooks

All students will be required to have access to the previously purchased Elsevier bundle. This will include access to the required textbook along with the Nursing Concepts Online platform.

Required resources

Nursing uniform, lab coat, stethoscope, pen light,

Required supplies

Stethoscope

Penlight

A watch with timing capability (second hand)

Faculty of Nursing approved uniform (including appropriate footwear)

Required fee(s)

Lab kit fee

Supplemental Textbooks & Resources

Please refer to Moodle for this course.

Course evaluation

Assignments/Course components	Dates	Weight	Course objectives no.
1) Clinical Assessment Tool	Weekly	Pass/Fail	1-4
2) Lab preparation activities	Daily	Pass/Fail	1-4
3) Clinical preparation activities	Each shift	Pass/Fail	1-4
4) MAPE	September 1 st , 2021 1500-1545	Pass/Fail	1-4

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Assignments descriptions

1) Clinical Assessment Tool:

To be completed weekly and informally discussed in addition to a formal midterm and final CAT with your instructor.

2) Lab preparation activities

All lab preparations must occur prior to attending lab, through Elsevier's Nursing Concepts Online (NCO).

3) Clinical Preparation:

Students are expected to be punctual to pre-conference with concept maps and prioritized nursing care plans at a Level 3, Senior 1 level. Students are to be knowledgeable about their clients' admission diagnoses, medications, and nursing care required.

4) MEDICATION ADMINISTRATION PROFICIENCY EXAM (MAPE):

The purpose for the medication administration proficiency exam is to demonstrate proficiency in providing safe medication administration in preparation for the clinical setting. Exam content is from the **Elsevier eBook Morris, D.C. G and Brown, L.A. M. Calculate with Confidence, Canadian Edition.**

In preparation for the MAPE, students need to review the following Units 1 through 5.

Unit One (chapters 1 to 4): Math Review 1. Fractions 2. Decimals 3. Ratio and Proportion 4. Percentages. This unit is a great review of basic math skills.

Unit Two (chapters 5 to 7): Systems of Measurement 5. Metric, Apothecary, Household and Other Systems 6. Converting Within and Between Systems 7. Additional Conversions Useful in the Health Care Setting.

Unit Three (chapters 8 to 14): Methods of Administration and Calculation 8. Medication Administration 9. Understanding and Interpreting Medication Orders 10. Medication Administration Records and Drug Distribution Systems 11. Reading Medication Labels 12. Dosage Calculation Using the Ratio and Proportion Method 13. Dosage Calculation Using the Formula Method 14. Dosage Calculation Using the Dimensional Analysis Method

Unit Four (chapters 15 to 18): Oral and Parenteral Dosage Forms and Insulin Calculations 15. Oral Medications 16. Parenteral Medications 17. Reconstitution of Solutions 18. Insulin PAGE 15

Unit Five (Chapters 19-23): Intravenous and Heparin Calculation, Pediatric Dosage Calculation and Critical Care Calculations

Final grades

This course is Pass or Fail.

Proposed Schedule

Week:	Lecture	Lab	Clinical
1 IV Meds	<p>SAFETY</p> <p>Analyze the concept of safety related to intravenous (IV) medications by:</p> <ul style="list-style-type: none"> - Reviewing the 10 Rights and 3 Checks - Reviewing medication calculation - Understanding scope of practice guidelines including co-signature of health professional - Learning how to access and use the parenteral manual including rate of medication delivery (intermittent and direct) - Identifying agency guidelines and policies <p>Discuss and apply safety parameters in the delivery of medications, with an emphasis on IV medications (if possible).</p>	<p>SAFETY & CLINICAL JUDGEMENT & FLUID AND ELECTROLYTE</p> <p>Demonstrate preparation of IV medications following safety parameters learned in NURS 345 (3 checks/10 rights, confirmation of health provider orders, asepsis, IV therapy) and new safety concepts (parenteral manual, timing of delivery):</p> <ul style="list-style-type: none"> - Reconstitution - Premixed - Continuous - Intermittent (piggyback) - Direct IV <p>Demonstrate skill administering medication following safe medication principles:</p> <ul style="list-style-type: none"> - Electronic IV pump infusion - Direct IV - Documentation 	<p>PROFESSIONAL IDENTITY</p> <p>Identify and integrate scope of practice as it relates to specific nursing interventions and patient care.</p> <p>PROFESSIONAL IDENTITY AND SAFETY</p> <p>Identify routine and expectations as part of socialization to the clinical unit on buddy shift(s) including but not limited to:</p> <ul style="list-style-type: none"> - Patient population - Staff ratios and care model - Charge RN/Unit Manager - Other health professionals and their roles - Important times (ie. medications, rounds, hubs, comfort rounds, breaks, ins/outs, etc.) - Charts: nursing notes, orders, communication boards, charting policy, MAR, lab draws, etc. - Safety & Emergency protocols: fire, patient distress (ie. MET, Rapid), Code Blue - Identify safety concepts related to quality patient care and integrate into patient care.
2 IV starts & Fluids	<p>SAFETY</p> <p>Discuss and apply safety parameters in the delivery of IV initiation and fluids with an emphasis on central line care (if possible).</p> <p>CLINICAL JUDGEMENT</p> <p>Identify and discuss administration of IV medications advantages and disadvantages and nursing responsibility.</p> <ul style="list-style-type: none"> - Reason for IV fluids - Type of solution 	<p>CLINICAL JUDGEMENT</p> <p>Demonstrate appropriate initial and ongoing assessment of a patient receiving IV medications pulling forward knowledge from NURS 307 related to IV site assessment.</p> <p>Demonstrate skills in hanging IV medication following safe medication principles:</p> <ul style="list-style-type: none"> - Electronic IV pump infusion - Gravity infusion - Documentation 	<p>CLINICAL JUDGEMENT</p> <p>Demonstrate competence in selected psychomotor skills.</p> <p>Analyze how and when you are using clinical judgment in daily practice.</p> <p>FLUID AND ELECTROLYTE</p> <p>Analyze fluid/electrolyte balance as it relates to IV therapy.</p> <ul style="list-style-type: none"> - Reason for IV fluids - Type of solution

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	<ul style="list-style-type: none"> - Lab values including trends <p>Assessment, interventions, and evaluation of the patient receiving IV medications:</p> <ul style="list-style-type: none"> - Identify signs and symptoms of potential complications - Identify potential complications of IV medications <p>FLUID AND ELECTROLYTE Analyze fluid/electrolyte balance as it relates to IV therapy.</p>		<ul style="list-style-type: none"> - Lab values including trends
3 Central Lines	<p>SAFETY Discuss and apply safety parameters in the delivery of IV fluids with an emphasis on central line care</p> <p>CLINICAL JUDGEMENT Identify the common types of central venous access devices and the differences among them.</p> <p>Identify appropriate initial and ongoing assessment of a patient with central venous access devices as it relates to fluid and electrolyte balance.</p> <p>Identify potential signs and symptoms of complications of central venous access devices and associated nursing interventions/evaluations with same.</p> <p>FLUID AND ELECTROLYTE Analyze the concept of fluid/electrolyte balance by:</p> <ul style="list-style-type: none"> - Identifying when the Registered Nurse would advocate for insertion of a central venous access device 	<p>CLINICAL JUDGEMENT & SAFETY & FLUID AND ELECTROLYTE & ASEPSIS Demonstrate appropriate initial and ongoing assessment of a patient with a central venous access device.</p> <p>Demonstrate the skill of central venous access device care and maintenance including:</p> <ul style="list-style-type: none"> - Dressing change following aseptic technique - Line flushes - IV fluid therapy - Identification of common complications - Documentation 	<p>CLINICAL JUDGEMENT Differentiate between activities that can and cannot be delegated and how and to whom they can be delegated.</p> <p>INFECTION Implement the principles of asepsis as it relates to central line care and/or other psychomotor skills requiring asepsis.</p> <p>CARE COORDINATION Develop timelines and decision making/priority setting (within patients and between patients).</p> <ul style="list-style-type: none"> - Identify patient you are going to see first and why. - Recognize nursing task that is most important for their patient, the tasks that need to be done during the shift, and what can wait until next shift (if need be).

Identifying appropriate initial and ongoing assessment of a patient with central venous access device		
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Please Note: Date and time allotted to each topic is subject to change.

Performance Requirements and Student Services

Student Responsibilities

It is your responsibility as a student to contact the Office of the Registrar to complete the forms for Withdrawal or Change of Registration, and any other forms. Please refer to the list of important dates as noted in the Academic Schedule in the [Keyano College credit calendar](#). The Keyano College credit calendar also has information about Student Rights and Code of Conduct. It is the responsibility of each student to be aware of the guidelines outlined in the Student Rights and Code of Conduct Policies.

Student Attendance

Class attendance is useful for two reasons. First, class attendance maximizes a student's learning experience. Second, attending class is a good way to keep informed of matters relating to the administration of the course (e.g., the timing of assignments and exams). Ultimately, you are responsible for your own learning and performance in this course.

It is the responsibility of each student to be prepared for all classes. Students who miss classes are responsible for the material covered in those classes and for ensuring that they are prepared for the next class, including the completion of any assignments and notes that may be due.

Academic Misconduct

Students are considered to be responsible adults and should adhere to principles of intellectual integrity. Intellectual dishonesty may take many forms, such as:

- Plagiarism or the submission of another person's work as one's own;
- The use of unauthorized aids in assignments or examinations (cheating);
- Collusion or the unauthorized collaboration with others in preparing work;
- The deliberate misrepresentation of qualifications;
- The willful distortion of results or data;
- Substitution in an examination by another person;
- Handing in the same unchanged work as submitted for another assignment; and
- Breach of confidentiality.

The consequences for academic misconduct range from a verbal reprimand to expulsion from the College.

More specific descriptions and details are found in the Student Rights and Code of Conduct section of the Keyano College credit calendar. It is the responsibility of each student to be aware of the guidelines outlined in the Student Rights and Code of Conduct Policies.

In order to ensure your understanding of the concept of plagiarism, you must successfully complete the online tutorial found on ilearn.keyano.ca. Then print the certificate, sign it, and show it to each of your instructors. Your course work may not be graded until you show this signed certificate.

Specialized Supports

The Student Services department is committed to Keyano students and their academic success. There are a variety of student supports available at Keyano College. Due to the continuing situation with the Covid-19 pandemic, the offered support services will be implemented through a model to respond to the restrictions in force at the time. In-person and virtual services will be offered. All Alberta Health Services guidelines will be followed for in-person appointments—wear a mask, maintain two meters of physical distance, use hand sanitizer, and stay home if you are unwell.

All student services are available during Keyano business hours: Monday to Friday, 8h30-16h30. The College is closed for statutory holidays. If you require support outside of regular business hours, please inform the support service team, and we will do our best to accommodate your needs.

Accessibility Services: provides accommodations for students with disabilities. Students with documented disabilities, or who suspect a disability, can meet with a Learning Strategist to discuss their current learning barriers and possible accommodations. Students who have accessed accommodations in the past are encouraged to contact us to request them for the semester. Please note that requesting accommodations is a process and requires time to arrange. Contact us as soon as you know you may require accommodations. For accessibility supports and to book an appointment, please contact accessibility.services@keyano.ca

Accessibility Services also provides individual and group learning strategy instruction for all students, as well as technology training and supports to enhance learning. Meet with a Learning Strategist to learn studying and test-taking strategies for online classes. Schedule an appointment with the Assistive Technology Specialist to explore technology tools for learning. Book an appointment today by emailing accessibility.services@keyano.ca

Wellness Services: offers a caring, inclusive, and respectful environment where students can access free group and individual support to meet academic and life challenges. Mental Health Coordinators offer a safe and confidential environment to seek help with personal concerns. Students may access services virtually and in-person.

Wellness Services welcomes students to participate in any of the virtual group sessions offered throughout the academic year addressing topics including mindfulness and test anxiety.

Individual virtual appointments can be made by emailing wellness.services@keyano.ca

Library Services: provides students with research and information supports as they engage in their studies. Library staff are available to support you both online and in-person throughout the semester. For a detailed list of library supports and services, go to www.keyano.ca/library For all inquiries, please email

askthelibrary@keyano.ca or chat with us online.

Begin your research with the [Library's FIND page](#). Search for information and sources for your assignments using OneSearch, the Library's Catalogue, or by searching in a specific database selected from the [A-Z Database List](#).

Individual support with us is available. For support with citations, research and other information needs, appointments can be booked using the online [Book A Librarian Calendar](#). For support with Moodle, educational tools for assignments, Microsoft Office, Zoom, Teams and more, book an appointment using the online [Educational Technology Support Calendar](#).

Research and subject guides are helpful resources when beginning your research, assignment, using new educational technology, or addressing other information needs. To view a subject or course-specific guide, check out the complete listing of online [Subject Guides](#).

To access additional research resources, including Citation Guides (APA, MLA, Chicago, or IEEE), go to the [Research Help Library page](#).

The Loanable Technology collection is available to support students in their learning pursuits, whether online, in person or both. Items available for borrowing include mobile projectors, webcams, noise-cancelling headphones, Chromebooks, and laptops. For an up-to-date list of technology available for borrowing as well as support available, go to the Library's [Loanable Technology webpage](#).

Academic Success Centre: The Academic Success Centre is a learning space in the Clearwater Campus (CC-119) at Keyano College. Students can gather to share ideas, collaborate on projects, get new perspectives on learning from our Academic Content Specialists, or use the Centre's educational resources. The Academic Success Centre provides academic support services to students registered in credit programs at Keyano College in the form of individual tutoring, writing support groups, facilitated study groups, workshops, and study space. Services are **free** to Keyano students.

Academic Content Specialists are available in the areas of Math, Science, Human Services, and English/Humanities. This covers all courses offered at Keyano. The Academic Success Coach can also be found in the Academic Success Centre.

For the most up to date information on how to book a session, please view [the Keyano Academic Success Centre homepage](#).

Academic Integrity: The goal of the Academic Success Centre is to foster a student's ability to learn effectively and independently. Students registered at Keyano College are welcome to drop by the Centre to visit with any of our Academic Content Specialists to discuss their academic concerns.

Availability: Monday to Friday: 8:30 a.m. – 4:30 p.m. Flexible times may be available upon request. Virtual and in-person sessions, please email to get in contact with our Academic Content Specialists. For the most up to date information on how to book a session, please view the [Academic Success Centre homepage](#)

Academic Success Coach: offers you support and access to resources for your academic success to help you to find the Keys to your Success. The Academic Success Coach will work with you to develop an academic success plan, develop your study and time management skills, and connect you with the right resources here at Keyano. Academic.success@keyano.ca is the best way to access resources during blended service delivery. The Academic Success Coach is located in the Skill Centre in CC-119 at the Clearwater Campus.

E-Learning

Technology and internet will impact your online learning experience. It's important that you can watch an online video and other course materials, take online quizzes, and participate in a live class with your instructor and other students. Live/virtual classes will be hosted in Microsoft Teams or Zoom.

For all course delivery types, you will access your course resources on Keyano's learning management system, **Moodle (iLearn)**. Login in using your [Keyano username and password](#).

Keyano College operates in a Windows based environment and having the correct tools for online learning is important. Here's a list of recommended system requirements.

Internet Speed

Minimum Internet speeds of 10 Mbps. Recommended Internet speeds of 25 Mbps (especially if you are sharing your internet at home). Check your internet speed with [Fast.com](#).

System requirements:

Microsoft Windows	Apple
<p>Minimum Requirements: A Windows 10 computer/laptop</p> <ul style="list-style-type: none"> · Minimum 4GB of RAM. · 10GB+ available hard drive storage. · Enough available hard drive space to install the Microsoft Office suite (approximately 3GB). Microsoft Office software is free to all Keyano students and employees. · Microphone, webcam and speakers. A headset with a microphone is recommended. · System updates must be regularly installed. · Anti-Virus / Anti-Malware software 	<p>Minimum Requirements: A Macintosh (V10.14 and above) computer/laptop</p> <ul style="list-style-type: none"> · Minimum 4GB of RAM. · 10GB+ available hard drive storage. · Enough available hard drive space to install the Microsoft Office suite (approximately 3GB). Microsoft Office software is free to all Keyano students and employees. · Microphone, webcam and speakers. A headset with a microphone is recommended. · System updates must be regularly installed. · Anti-Virus / Anti-Malware software.

<p>Recommended Requirements</p> <ul style="list-style-type: none"> · 8GB of RAM · A method of backing up/synchronizing to local or cloud-based storage such as OneDrive is highly recommended. This is included if you complete the setup of KeyanoMail and download MS Office using your Keyano email for free. 	<p>Recommended Requirements</p> <ul style="list-style-type: none"> · 8GB of RAM · A method of backing up/synchronizing to local or cloud-based storage such as OneDrive is highly recommended. This is included if you complete the setup of KeyanoMail and download MS Office using your Keyano email for free.
<p>Chromebooks are not recommended as they are not compatible with testing lockdown browsers. A Microsoft Surface or iPad or iPad Pro may be possible alternatives in some program areas.</p>	

Specific Department Requirements:

Business and OA programs require Windows 10.

Other programs may utilize Windows based tools as well.

Computer Software

Students will be able to get access to Microsoft Office 365 for free using Keyano credentials by [clicking here](#).

Recording of Lectures and Intellectual Property

Students may only record a lecture if explicit permission is provided by the instructor or by Accessibility Services. Even if students have permission to record a lecture or lecture materials, students may not share, distribute, or publish any of the lectures or course materials, this includes any recordings, slides, instructor notes, etc. on any platform. Thus, no student is allowed to share, distribute, publish or sell course related content (instructor, or students) without permission. It is important to recognize that the Canadian Copyright Act contains provisions for intellectual property. The [Academic Integrity Policy](#) provides additional information on Keyano College’s expectations from students as members of the intellectual community.

ITS Helpdesk

If you are having issues with your student account, you can contact the ITS Helpdesk by emailing its.helpdesk@keyano.ca or calling 780-791-4965.