CANADORE
college

COURSE NAME:	PNE247 Pathophysiology II

Credit Value:	3
Total Course Hours:	42
Prerequisite Course(s):	PNE 237
Corequisite Course(s):	None

COURSE DESCRIPTION

This course continues to provide the learner with a general understanding and working knowledge of the structure and function of the human body experiencing a health challenge. The learner will examine changes that occur in the human body and explore how the body compensates for those challenges.

LAND ACKNOWLEDGEMENT

Canadore College resides on the traditional territory of the Anishinaabeg and within lands protected by the Robinson Huron Treaty of 1850. This land is occupied by the people of Nipissing First Nation since time immemorial.

PLAR INFORMATION

This course is eligible for Prior Learning Assessment and Recognition. Students are advised to discuss options with their program coordinator.

COURSE LEARNING OUTCOMES

Upon completion of this course, the student will have reliably demonstrated the ability to:

1.0 Examine common health challenges and their effect of the human body (adult and child)

    1.1 Define common conditions.

    1.2 Discuss the etiology of common conditions.

    1.3 Describe the development of common conditions.

    1.4 Describe signs and symptoms and complications of common conditions.

    1.5 Explain diagnostic test used to diagnose and monitor common conditions.

2.0 Integumentary conditions.

    2.1 Examine common integumentary conditions

        2.1.1 Acute Infections (Bacterial/ Viral/ Fungi/ Parasitic.)

        2.1.2 Contact dermatitis/ectopic dermatitis/psoriasis.

        2.1.3 Candidiasis.

        2.1.4 Herpes simplex/herpes zoster.

        2.1.5 Skin cancer

    2.2 Examine burns

        2.2.1 Identify types of burns (Thermal dry and moist heat/ Chemical/ Electrical/ Radiation.)

        2.2.2 Discuss the classification of burns.

        2.2.3 Discuss burn extent classification.

        2.2.4 Describe the pathophysiology of a major burn.

3.0 Neurological Conditions

    3.1 Examine common neurological conditions

        3.1.1 Headache.

        3.1.2 Head injury (increased ICP)

        3.1.3 Cerebrovascular accident.

        3.1.4 Transient ischemic attack.

        3.1.5 Spinal cord injury (autonomic dysreflexia)

        3.1.6 Infections (meningitis, encephalitis).

        3.1.7 Cerebral palsy.

        3.1.8 Seizure disorders.

        3.1.9 Chronic degenerative disorders (multiple sclerosis/Parkinson's disease/Amyotrophic Lateral Sclerosis/Dementia.)

        3.1.10 Brain cancer

4.0 Genitourinary Conditions

    4.1 Examine common genitourinary conditions.

        4.1.1 Urinary Tract Acute infection

(cystitis/pyelonephritis).

4.1.2 Kidney Cancer

4.1.3 Bladder Cancer

4.1.4 Renal calculi.

4.1.5 Incontinence (functional/stress/urge/reflex).

4.1.6 Acute and Chronic renal failure.

5.0 Reproductive Conditions

5.1 Examine common reproductive conditions.

5.1.1 Sexually transmitted disease (chlamydia/gonorrhea/syphilis/ genital herpes/genital warts/trichomoniasis).

5.1.2 Dysfunctional uterine bleeding.

5.1.3 Leiomyoma.

5.1.4 Endometriosis.

5.1.5 Breast Cancer

5.1.6 Cervical Cancer

5.1.7 Uterine Cancer

5.1.8 Ovarian Cancer

5.1.9 Benign Prostatic Hypertrophy (BPH)

5.1.10 Prostrate Cancer

5.1.11 Testicular Cancer

6.0 Hematological conditions

6.1 Examine common hematological conditions.

6.1.1 Anemia (iron deficiency/folic acid deficiency/pernicious/aplastic/ acquired hemolytic/ sickle cell.)

6.1.2 Hemophilia

6.1.3 Leukemia

7.0 Immune Conditions

7.1 Examine common immune conditions.

7.1.1 Human immunodeficiency virus.

7.1.2 Allergic hypersensitivity reactions.

7.1.3 Lymphoma

8.0 Musculoskeletal conditions

8.1 Examine common musculoskeletal conditions.

8.1.1 Fractures.

8.1.2 Dislocation.

8.1.3 Sprain.

8.1.4 Strain.

8.1.5 Osteoporosis.

8.1.6 Osteoarthritis, rheumatoid arthritis, gout.

8.1.7 Muscular Dystrophy

9.0 Gastrointestinal Conditions

9.1 Examine common gastrointestinal conditions:

9.1.1 Appendicitis.

9.1.2 Intestinal obstruction (mechanical/function).

9.1.3 Jaundice.

9.1.4 Hepatitis (A/B/C).

9.1.5 Cholelithiasis.

9.1.6 Pancreatitis.

9.1.7 Dental disorders (caries/periodontal disease/gingivitis/periodontitis).

9.1.8 Dysphagia.

9.1.9 Hiatus hernia.

9.1.10 Peptic Ulcers (gastric/duodenal).

9.1.11 Cirrhosis.

9.1.12 Inflammatory bowel disease (Crohn's disease/ ulcerative colitis).

9.1.13 Malabsorption Syndromes (Celiac Disease.)

9.1.14 Gastroenteritis (Staph Aureus/ Methycillin Resistant Staph Aureus/ Vancomycin Resistant enterococcus/ clostridium difficile/ salmonella/ giardia.)

9.1.15 Colon Cancer

9.1.16 Pancreatic cancer

9.1.17 Esophageal Cancer

9.1.18 Oral Cancer

10.0 Eye Conditons

10.1 Examine common conditions of the eye.

10.1.1 Iritis, conjunctivitis.

10.1.2 Corneal abrasion.

10.1.3 Detached retina, retinal injury.

10.1.4 Myopia, hyperopia, and presbyopia.

10.1.5 Glaucoma narrow angle and closured angle.

10.1.6 Cataracts.

11.0 Ear Conditions

11.1 Examine common conditions of the ear.

11.1.1 Otitis media and Otitis externa.

11.1.2 Sensorineural/hearing loss.

11.1.3 Prebysicus.

11.1.4 Meniere's.

GENERAL EDUCATION

This is not a General Education course.

PROGRAM OUTCOMES

This course contributes to the following Ministry of Colleges and Universities approved program learning outcomes (PLO):

Practical Nursing

2. assess clients across the life span, in a systematic and holistic manner.

3. plan safe and competent nursing care, based upon a thorough analysis of available data and evidence-informed practice guidelines.

ESSENTIAL EMPLOYABILITY SKILLS OUTCOMES

This course contributes to the following Ministry of Colleges and Universities approved essential employability skills (EES) outcomes:

4. Apply a systematic approach to solve problems.

5. Use a variety of thinking skills to anticipate and solve problems.

7. Analyse, evaluate, and apply relevant information from a variety of sources.

EXTERNAL COURSE ACCREDITATIONS AND CONDITIONS

This course is a compulsory course within the Canadore College Practical Nursing program, as reviewed and approved by the College of Nurses of Ontario

COURSE EVALUATION

Evaluation Item	Weight
Tests	90
Quizzes	10

COURSE PASS GRADE

60

GRADING SYSTEM

A+:	90-100%	B+:	77-79%	C+:	65-69%	D:	50-54%	S - Satisfactory
A:	85-89%	B:	73-76%	C:	60-64%	F:	0-49%	I - Incomplete
A-:	80-84%	B-:	70-72%	D+:	55-59%			F- Repeat Course, included in GPA
								FS- Failure Supplemental
								FR- Repeat course, excluded from GPA

*For a complete chart of grades and descriptions, please see the Grading Policy.

LEARNING RESOURCES

No textbooks have been identified for this course.

Additional Learning Resources:

Most of the required textbooks for the program are bundled into a Total Solution Package (TSP) through our publisher Elsevier. The TSP package includes eBooks as well as access to all the required online resources such as Sherpath, Clinical Skills videos, Shadow Health simulations, Adaptive Quizzing EAQ's, HESI preparatory exams and software for this course and many others throughout the program. Textbooks and course resources that are not included in the TSP must be purchased independently, as listed in each course outline and syllabus. Resources listed on the course outline support the achievement of learning outcomes and may be used throughout the course/program to varying degrees depending on the instructor's teaching methodology and the nature of the resource. Faculty may, at their discretion, integrate TSP resources into class activities, graded assessments, or preparatory work for courses/labs/clinicals and the College of Nurses of Ontario registration exam.

The fee for this bundle will be charged to your student account as part of the semester program fees. The bundle fee is intended to be rolled into your Program Fees at the beginning of each academic year; however, the Administration reserves the right to post it as a separate charge later in the term or each semester. Please monitor your student account for any subsequent billing and direct any questions to the Admissions Office. For the fee structure please see https://cdn.agilitycms.com/canadore-college/eText%20eResource%20Fees.pdf

Upon entry to the program students will have the option of accepting the full package or to "opt out" of the nonevaluative resources of the package. If they choose to "opt out", they will be required to meet with the program coordinator to discuss the TSP and sign a declaration prior to 4:00 pm on the first Friday of the first semester of the program/year. After this deadline, access for the entirety of the program is final and non-refundable. Full deployment of the resources will begin shortly after the opt-out window closes.

BYOD Class B or BB Information available at https://cdn.agilitycms.com/canadore-college/Canadore%20BYOD%20Updates%20Apr%202025.pdf

Please see the Campus Bookstore to verify the current textbook costs and your program page for additional program fees and/or learning material requirements (see the "Tuition Fees" and "What You Need" sections).

Resources listed on the course outline support the achievement of learning outcomes, and may be used throughout the course to varying degrees depending on the instructor's teaching methodology and the nature of the resource.

Technology requirements - https://www.canadorecollege.ca/BYOD

The Harris Learning Library's staff can help you find resources to support your learning - www.eclibrary.ca

LEARNING ACTIVITIES

In-class activities

DELIVERY MODE

This course may be delivered, in whole or in part, in a number of modalities, including In-Person, Remote (synchronous and/or asynchronous), hybrid, or Hyflex, as per accreditation and/or regulatory standards where appropriate. This information is identified on the course schedule (student and faculty).

RECORDING GUIDELINES

This class may be recorded by faculty of the College. Faculty will inform students when recording of the class commences and ceases. 'Recorded' means that the audio-visual and chat portions of the class will be recorded and then be stored on the College or vendor provider server. They will be made available to students, but only for the express and sole use of those registered in this course. If you have any questions or concerns about this recording, please contact your instructor or the College's privacy officer at privacy.officer@canadorecollege.ca. Full recording guidelines can be found at: https://cdn.agilitycms.com/canadore-college/academic-centre-of-excellence/Canadore%20Recording%20Guidelines.pdf. Recordings are to be managed (or removed) as per the College's Recording Guidelines following the completion of the course.

ACADEMIC POLICIES

Canadore College is committed to the highest standards of academic integrity, and expects students to adhere to these standards as part of the learning process in all environments. The College's Academic Integrity policy seeks to ensure that all students understand their rights and responsibilities in upholding academic integrity and that students receive an accurate and fair assessment of their work. Please review the Academic Integrity policy (A-18) and other academic policies found on our website: https://www.canadorecollege.ca/about/policies.

COLLEGE POLICIES

• Protecting human rights in support of a respectful college community

For college policies please see: http://www.canadorecollege.ca/about-us/college-policies.

Accessibility Learning Services for Students with Disabilities - Student Success Services

Student Success Services provides comprehensive support to students. We aim to ensure that all students have equal access to educational opportunities and can succeed in their academic journey. Our services focus on reducing and eliminating barriers related to education through individualized accommodations and

support. If you are a student with a disability, we encourage you to register with Accessible Learning by completing the Student Success – Accessible Learning Services Form (https://canadorecollege-accommodate.symplicity.com/public_accommodation/).

For more detailed information about the services offered, please visit our webpage: https://isucceed.canadorecollege.ca/students. To connect with Student Success Services email studentsuccessnow@canadorecollege.ca or call 705.474.7600 ext 5205.

FIRST PEOPLES' CENTRE:

A culturally supportive and comfortable environment where you can study, socialize, and access a wide range of resources and confidential student focused services.

- Counselling services
- Elders on Campus and Cultural Advisors
- Cultural and Spiritual Wellness
- Peer tutoring/Peer Mentorship
- wholistic support network
- Social events and workshops on study skills, self-care & life skills

Drop by our offices at C254 College Drive, W103 Commerce Court or Call 705-474-7600 Ext. 5961

https://www.canadorecollege.ca/first-peoples-centre

WAIVER OF RESPONSIBILITY

Every attempt is made to ensure the accuracy of this information as of the date of publication. The college reserves the right to modify, change, add, or delete content.

HISTORICAL COURSE OUTLINES

Students use course outlines to support their learning. Students are responsible for retaining course outlines for future use in applications for transfer of credit to other educational institutions.

ADDITIONAL DISCLAIMER NOTE

Students are expected to adhere to the policies and procedures as outlined in the Practical Nursing Student Success Guide 2024-2025. All previous guides will not apply.