



**UNIVERSITY OF ALBERTA**  
**COLLABORATIVE BACCALAUREATE NURSING PROGRAM:**  
**KEYANO COLLEGE**  
**NURSE 113**  
**PATHOPHYSIOLOGY**  
**January 7<sup>th</sup>, 2019 to April 12<sup>nd</sup>, 2019**

**This course at Keyano is numbered the same as the U of A**

**Instructor:**

KatieSaporsky, RN, BSN, MSN

Revised Fall 2018

## **NURSING 113**

### **Pathophysiology**

#### **Course Outline**

#### **CALENDAR STATEMENT:**

The focus is on the application of human anatomy and physiology to the concepts of pathophysiology. Course content will be addressed within the context of underlying disease process and alterations to health. *Prerequisites: Nurse 117. Nurse 113 must be successfully completed prior to entering year 2 of the program.*

#### **COURSE HOURS**

**Credits:** 3    **Lecture:** 45 hours over 15 weeks

#### **COURSE DESCRIPTION:**

Nursing care is to assist in the promotion and maintenance of health and maintenance of health and also in prevention and treatment of illness. Hence, it is essential to study the mechanics of disease, which is disordered physiology, or in other words, pathophysiology. Linking clinical situations to their underlying mechanisms of disorder provides for more meaningful learning, and better retention. Understanding the disordered physiological concepts depend on a firm grounding in basic medical sciences especially Anatomy and Physiology.

Nursing 113 will focus on in-depth understanding of the mechanisms of human body function and pathophysiology. Pathophysiology may be defined as the physiology of disease, of disordered function, or derangement of function seen in disease. Most of medicine itself is pathophysiology. An orientation to disease as disordered physiology enables the student to understand how and why the symptoms of various conditions appear. This course will summarize the normal function of each organ system and then discuss a number of major diseases of each system, showing how symptoms and signs of the selected diseases are produced by disordered physiology. Nursing 113 is designed to help students in understanding the health and disease situations presented in the learning packages.

#### **TUTOR INFORMATION**

Katie Saporsky, BSN, RN, MSN  
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Email: [Katie.Saporsky@keyano.ca](mailto:Katie.Saporsky@keyano.ca)  
Office Hours: By Appointment Only

## **COURSE OBJECTIVES**

1. To facilitate an in-depth understanding of the normal functions of the human body.
2. To be able to link between normal body function and structure.
3. To be able to understand disease as disorder physiology.
4. To foster the development of critical thinking skills.

## **OVERARCHING STATEMENTS**

Students are responsible to familiarize themselves with *Graduate Competencies and Year-End Outcomes (with Cross Reference to Courses) 2015-2016*. Attention must be given to the competencies that are identified as being relevant to Nurse 113.

Students must regularly refer to the document entitled *Graduate Competencies and Year-End Outcomes Condensed Version 2015-2016 (Faculty of Nursing Undergraduate Programs)*.

All students must practice in a manner that is consistent with the:

- College and Association of Registered Nurses (2013). *Entry to practice Competencies for the registered nurses profession*. Edmonton, AB. Available @ [http://www.nurses.ab.ca/Carna-Admin/Uploads/2013\\_Entry\\_to\\_Practice\\_Competencies.pdf](http://www.nurses.ab.ca/Carna-Admin/Uploads/2013_Entry_to_Practice_Competencies.pdf)
- College and Association of Registered Nurses (2013). *Practice standards for regulated members with The Canadian nurses association code of ethics for registered nurses*. Edmonton, AB. Available @ [http://www.nurses.ab.ca/Carna-Admin/Uploads/Practice\\_Standards\\_Code\\_Ethics\\_2013.pdf](http://www.nurses.ab.ca/Carna-Admin/Uploads/Practice_Standards_Code_Ethics_2013.pdf)
- Keyano College Student Code of Conduct.

## **REQUIRED TEXTBOOK**

Hannon, R. & Porth, C.M.(2017). *Porth pathophysiology: Concepts of altered health states*. (2<sup>nd</sup> Canadian ed.). St. Louis, Missouri: Elsevier Mosby.

Day, R. A., Paul, P., & Williams, B(2016). *Textbook of medical/surgical nursing* (3<sup>rd</sup> Canadian. ed.). Philadelphia, PA: Lippincott Williams & Wilkins.

## REQUIRED RESOURCES

You must ensure that you have access thePoint resources for students prior to the start of the course. Visit: <http://thepoint.lww.com/Hannon1e> to learn more about thePoint and the resources available. Use the code provided in your textbook to access the student resources for your use.

College and Association of Registered Nurses of Alberta. (2013). *Entry-to-practice competencies for the registered nurses profession*. Edmonton, AB: Author. Retrieved from [http://www.nurses.ab.ca/Carna-Admin/Uploads/2013\\_Entry\\_to\\_Practice\\_Competencies.pdf](http://www.nurses.ab.ca/Carna-Admin/Uploads/2013_Entry_to_Practice_Competencies.pdf)

College and Association of Registered Nurses of Alberta. (2008). *Primary health care*. Edmonton, AB: Author. Retrieved from [http://www.nurses.ab.ca/Carna-Admin/Uploads/primary\\_health\\_care\\_2008.pdf](http://www.nurses.ab.ca/Carna-Admin/Uploads/primary_health_care_2008.pdf)

College and Association of Registered Nurses of Alberta (2010). *Ethical decision-making for registered nurses in Alberta: Guidelines and recommendations*. Edmonton: Author. Retrieved from [http://www.nurses.ab.ca/Carna-Admin/Uploads/Ethical\\_Decision\\_Making\\_for\\_RNs.pdf](http://www.nurses.ab.ca/Carna-Admin/Uploads/Ethical_Decision_Making_for_RNs.pdf)

College and Association of Registered Nurses of Alberta. (2011). *Professional boundaries for registered nurses: Guidelines for the nurse-client relationship*. Edmonton, AB: Author. Retrieved from [http://www.nurses.ab.ca/Carna-Admin/Uploads/professional\\_boundaries\\_May\\_%202011.pdf](http://www.nurses.ab.ca/Carna-Admin/Uploads/professional_boundaries_May_%202011.pdf)

College and Association of Registered Nurses of Alberta. (2013). *Practice standards for regulated members with The Canadian Nurses Association code of ethics for registered nurses*. Edmonton: Author. Retrieved from [http://www.nurses.ab.ca/Carna-Admin/Uploads/Practice\\_Standards\\_Code\\_Ethics\\_2013.pdf](http://www.nurses.ab.ca/Carna-Admin/Uploads/Practice_Standards_Code_Ethics_2013.pdf)

## REQUIRED LEARNING EXPERIENCES

In order to pass Nursing 113, students must demonstrate the knowledge and understanding of the normal body functions. Students must also be able to emphasize the relevance of basic principles and concepts of Physiology. The students must also be able to analyze mechanisms of the production of signs and symptoms and complications of different disease syndromes. Students will work with an instructor in class to acquire necessary information for pathophysiology. Attendance is an expectation. Students are expected to arrive to class having completed the required class reading(s) and activities. Students are expected to be proficient in expressing pathophysiology concepts correctly, thoroughly and concisely. The ability to explain ideas and information clearly is a strong indicator of good comprehension and familiarity with the material. Memorization and regurgitation will earn, at best, an average mark. Comprehension, synthesis and critical thinking are required to earn good marks.

Individual study is required in the course. An informal rule of thumb is that for every hour of class, a student will spend 3 hours of individual study or preparation.

Please see timetable for dates, times and locations of classes. Class content and required readings/activities are on the Moodle course site.

## SUMMARY OF COURSE EVALUATION METHODS

Type of Exam	Assessment Format/Duration	Date	Distribution of Marks
<b>Exam 1:</b> 100 Multiple Choice	Demonstrate knowledge/application of course content (Units 1–3)	See timetable	30%
<b>Exam 2 :</b> 100 Multiple choice	Demonstrate knowledge/application of course content (Units 4–6)	See timetable	30%
<b>Final Exam:</b> Cumulative; 100 multiple choice	Demonstrate knowledge/application of course content Unit 1-12	See timetable	40%

## EXAM POLICY

### Expectations of Students Writing on-Line Exams

1. Students are responsible for accessing the exam from a location and computer of their choice. The student is responsible for discussing any computer/internet issues with the Instructor at least two days prior to the exam date listed on the course timetable.
2. Quizzes and exams are not open book exams. The quiz or exam is to have been studied for prior to the quiz/exam date and is to be completed independently; that is by oneself, not in collaboration with or company of another person or persons. No photos of quiz/exam questions are to be taken via phones.

3. Once the quiz/exam has started, the student will submit their answers immediately before going on to the next question. The student will not be able review/change answers.
4. Students must ensure they have a reliable internet connection.
5. If students are writing from outside Fort McMurray or in another province, it is the students' responsibility to ensure the time change is adhered to. That is if the exam is to start at 0900 hours Alberta time and is being written in Ontario, then the time to begin the exam is at 1100 hours Ontario time. It is strongly recommended that students write within Alberta as Moodle may not be supported outside of the province. Students must seek permission from instructor if writing a quiz/exam outside of the province.
6. Time for online quizzes/exams will be strictly adhered to. For example, if a quiz is for thirty minutes it will be open for exactly thirty minutes. The instructor will let the student know the exact time of the quiz/exam. Fourth year students will have access to the NCLEX prep exam for 60-90 minutes after the exam closes in order for review of rationale to occur for questions they answered incorrectly.
7. No grades will be released until the instructor has had time to review the quiz/exam stats. Once the review has been done, the marks will be released. Review of quiz/exam questions in class will be done at the instructors' discretion.
8. If any arises during the taking of the quiz/exam, the student is to contact the instructor immediately at the time of the issue.
9. It is the responsibility of each student to be familiar with the contents of the Student Code of Conduct. At the beginning of January 2016, it will be mandatory that all students sign a form identifying they have read/or are familiar with the Student Code of Conduct. First, Second, and Third year students will have read or are familiar with the Keyano College Student Code of Conduct. Fourth year students will identify they are familiar with the University of Alberta Student Code of Conduct. Beginning in September 2017, all new students plus students moving from third to fourth year will be mandated to sign the above form(s).

### **EXAM 1 30%**

The exam will be completed online and can be accessed on Moodle according to the course timetable. The online exam can be completed at the location of the student's choice pending secure and reliable computer and internet access. It is the student's responsibility to ensure they are connected to a secure and reliable internet connection; Wi-Fi is not considered a reliable internet connection. The student is responsible for discussing any computer/internet issues with the tutor at least one week prior to the exam dates listed on the course timetable. Should any issue arise during the exam, the student must contact their instructor immediately; contacting the instructor after the exam has finished is NOT considered immediately. The examination is to be completed

independently, not in the company of another person/peer, and is not an open-book examination. Please ensure that you have studied prior to the examination date/time.

The exam will be 100 multiple choice questions from Units 1 to 3 inclusive and the student will have only one attempt to complete the exam once it has been started. Content from classes, readings, PowerPoints, Moodle and required activities is testable. The exam will be completed within 2 and ½ hours. During the online exam, the student will submit their answers immediately before going on to the next question. The student will not be able to review/change answers during or at the end of the exam. If you should require accommodations for this exam, please ensure that you have made your instructor aware at least 24 hours in advance.

### **EXAM 2 30%**

The exam will be completed online and can be accessed on Moodle according to the course timetable. The online exam can be completed at the location of the student's choice pending secure and reliable computer and internet access. It is the student's responsibility to ensure they are connected to a secure and reliable internet connection; Wi-Fi is not considered a reliable internet connection. The student is responsible for discussing any computer/internet issues with the tutor at least one week prior to the exam dates listed on the course timetable. Should any issue arise during the exam, the student must contact their instructor immediately; contacting the instructor after the exam has finished is NOT considered immediately. The examination is to be completed independently, not in the company of another person/peer, and is not an open-book examination. Please ensure that you have studied prior to the examination date/time.

The exam will be 100 multiple choice questions from Units 4 to 6 inclusive and the student will have only one attempt to complete the exam once it has been started. Content from classes, readings, PowerPoints, Moodle and required activities is testable. The exam will be completed within 2 and ½ hours. During the online exam, the student will submit their answers immediately before going on to the next question. The student will not be able to review/change answers during or at the end of the exam. If you should require accommodations for this exam, please ensure that you have made your instructor aware at least 24 hours in advance.

### **FINAL EXAM 40%**

Content from all units 1 to 12 will be included on the final examination. The examination will contain 100 multiple choice questions and the student will only have one attempt to complete the exam once it has started. Content from classes, readings, Moodle and required activities is testable. The online exam must be completed within 2 ½ hours and the student will submit their answers immediately before going on to the next question. The student will not be able to review/change answers during or at the end of the exam. The exam can be accessed via Moodle during the allotted time identified on the course timetable, however please note the allotted time for the exam is not flexible. The examination is to be completed independently, not in the company of another person/peer, and is not an open-book examination. Please ensure that you have studied prior to the examination date/time. If you should require accommodations for this exam, please ensure that you have made your instructor aware at least 24 hours in advance.

The exam will be completed online and can be accessed on Moodle according to the course timetable. The online exam can be completed at the location of the student's choice pending secure and reliable computer and internet access. It is the student's responsibility to ensure they are connected to a secure and reliable internet connection; Wi-Fi is not considered a reliable internet connection. The student is responsible for discussing any computer/internet issues with the tutor at least one week prior to the exam dates listed on the course timetable. Should any issue arise during the exam, the student must contact their instructor immediately; contacting the instructor after the exam has finished is NOT considered immediately.

**Please note: The pass mark for this course is a C-.**

### **ASSIGNMENT OF FINAL GRADE**

All evaluative components are marked as raw scores according to the percentage weight assigned to each. At the end of the course, all scores are totaled for a term summary mark in the course. The final percent grade is converted to an Alpha grade as outlined in **Appendix B**.



## **NURSING PROGRAM POLICIES**

Please refer to Keyano College Nursing Program Student Handbook for Specific Nursing Program policies and to Keyano College Calendar for general College policies. Student Rights, Responsibilities, Student Misconduct and Discipline and the Student Appeal Process can be found in **Appendix A**.

## **SPECIALIZED SUPPORTS AND DUTY TO ACCOMMODATE**

### **Students with Disabilities**

It is the College's goal that learning experiences be as accessible as possible. If you anticipate or experience physical or academic barriers based on disability, please let Disability Services know immediately so that you can discuss options. You are welcome to contact Disability Services to establish reasonable accommodations. Please call 780-791-8934 or drop in at CC -167 (across from the Library).

## **ABSENCE FROM QUIZZES AND EXAMS**

If you are ill and unable to write an exam, you must let the tutor know prior to the exam so that other arrangements can be made. Please call the tutor or the Administrative Assistant at 780-791-4889. If there is no answer, you must leave a message about the absence. Failure to call prior to the exam will result in a failure for that exam.

## Appendix A

### Students Rights

1. The Student has the right to be given a written outline at the beginning of the course which states the objectives and the content of the course, and the instructor's expectations regarding attendance, evaluation, and major assignments.
2. The student has the right to notification of major changes regarding classroom procedures and the right to be notified, whenever possible, of class cancellations, time or location changes prior to the class meeting.
3. Where course content allows, the student has the right to reasonable freedom of opinion and expression in the classroom, in assignments, and in exams.
4. The student has the right to be assured that changes to the length of the program subsequent to his/her entry will not extend the program beyond the time specified upon enrollment.
5. The student has the right to seek counseling and academic advising concerning program and graduation requirements, academic regulations, admissions, and transfer, such as counseling and advising will occur within a reasonable time frame.
6. The student has the right to expect faculty members to be available for assistance outside of scheduled classes at a time that is mutually agreeable (and preferably during the instructor's regularly scheduled office hours).
7. The student has the right to confidentiality of his/her records including scholastic transcripts, health records, performance appraisals or critiques. Such documentation shall not be released to third parties without the written permission of the student except where the release of such information without permission is necessary for complying with any legal obligations imposed upon the College or their release is necessary for the protection of the health and safety of the students and staff of the College.
8. The student has the right to view any record in his/her official College file and the right to add documents to the file which might refute the contents of documents of a disparaging nature.
9. The student has the right to proper and impartial evaluation of his/her performance and the right to request a re-evaluation within time lines and procedures established by the College. The student has the right to be informed of how evaluation results will be conveyed to him or her and the appropriate timelines within which to expect such results.
10. The student has the right to accurate information pertaining to program or course information and College academic regulations including the institutional definition of plagiarism and other forms of academic misconduct.

11. The student has the right to appeal procedures printed in the College calendar and the right to know how to deal with situations that appear unjust.
12. The student has the right to freedom from being subjected to physical, verbal, mental, or sexual harassment including any indignity, injury, violence or unfair accusation and be dealt with in accordance with the Individual Rights' Policy of Keyano College.

### **Student Responsibilities**

1. The student has the responsibility to respect the rights of fellow students, faculty, staff, administrators and other persons associated with the College.
2. The student has the responsibility to respect other people's rights to health, security, personal preferences and freedom of expression and to be familiar with the individual Rights' Policy of this institution.
3. The student has the responsibility to refrain from threatening to subject or subjecting any person to physical, verbal, mental, or sexual harassment including any indignity, injury, violence or unfair accusations.
4. The student has the responsibility to observe College and relevant government regulations, policies and procedures regarding responsible conduct within the College environment including conduct toward students, faculty, staff, administrators and property.
5. The student has the responsibility to be conversant with course content and organization, course methodology and course evaluation methods even when he/she is absent from particular classes.
6. The student has the responsibility to respect the faculty member's right to determine course content, course objectives, methodology, and evaluation.
7. The student has the responsibility to respect the faculty member's right to set deadlines for assigned work, to expect assignments to be submitted at the times specified and to establish penalties for failure to comply with deadlines. The student further has the responsibility to familiarize him/herself with the expected times and methods used to convey results of assignments, examinations or other evaluations or decisions and to know the timelines set for appeal of same.
8. The student has the responsibility to conduct him/herself in an appropriate manner and to dress in a manner that reflects the safety requirements of the course consistent with the health and safety practices of his/her chosen field of study.
9. The student has the responsibility to refrain from unduly disturbing, disrupting or

otherwise interfering with studies, laboratories, lectures, work or other activities of fellow students or staff.

10. The student has the responsibility to familiarize him/herself with academic regulations, graduation requirements, and/or program completion requirements.
11. The student has the responsibility to communicate with faculty members or counselors to attempt to resolve academic and/or personal problems he/she may encounter.
12. The student has the responsibility to know the consequences of plagiarism, fraud, deceit, and/or other forms of academic and non-academic dishonesty.
13. The student has the responsibility to know and to comply with college policy as well as the policy of any employer, or host organization of practicum or clinical activities when the student is involved in placement, site visit, co-op or clinical placement on that employer's worksite.

### **Student Appeal Procedure**

Students have the right to appeal final grades, disciplinary actions or other decisions that students feel violate their rights according to the Students' Rights and Responsibilities.

There are three possible stages to any appeal:

- Stage One:                   Appeal to the Division
- Stage Two:                   Mediation
- Stage Three:                 Student Appeal Committee

As time is a consideration in the appeal process, please consult the Student Appeal Procedure by obtaining a copy of the document in the Student Services Center or by accessing it in the Keyano College calendar or on the Keyano College website.

### **Student Misconduct and Discipline Policy**

The Students' Misconduct and Discipline Policy identifies two types of student misconduct: Academic and Non-Academic.

#### **Academic Misconduct includes:**

- 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.

**Non-Academic Misconduct includes:**

- Disruption of any college activity.
- Damage to or destruction of the property of the College, its staff, students or visitors.
- Threats of any kind.
- Physical or verbal abuse.
- Theft
- Unsafe practices, whether the risk is to oneself or others.
- Alcohol or drug abuse
- Harassment
- Violation of confidentiality requirements of the occupation or profession for which the student is being trained.

Penalties for either academic or non-academic misconduct range from verbal reprimand to dismissal from the college.

For full text of the Students' Misconduct and Discipline Policy, visit the Student Services Center for a copy of the document or access it in the Keyano College calendar or on the Keyano College website.

## APPENDIX B

### COLLABORATIVE BACCALAUREATE NURSING PROGRAM KEYANO COLLEGE MARKING SYSTEM

#### Keyano College Percentage - Alpha Grading System

Descriptor	Percentage Scale	Alpha Scale
<b>Excellent</b>	<b>96-100</b>	<b>A+</b>
	<b>90-95</b>	<b>A</b>
	<b>85-89</b>	<b>A-</b>
<b>Good</b>	<b>80-84</b>	<b>B+</b>
	<b>76-79</b>	<b>B</b>
	<b>72-75</b>	<b>B-</b>
<b>Satisfactory</b>	<b>68-71</b>	<b>C+</b>
	<b>64-67</b>	<b>C</b>
<b>Minimum Pass</b>	<b>60-63</b>	<b>C-</b>
<b>Poor</b>	<b>55-59</b>	<b>D+</b>
	<b>50-54</b>	<b>D</b>
<b>Failure</b>	<b>0-49</b>	<b>F</b>