Allied Health and Nursing - Prehospital Care Program

Spring 2023

ACP 507, Physical Examination

3 credits, average 2 class per week, 3 hour classes, plus application during tech weeks

Course Description

This course focuses on techniques for carrying out physical examinations, gathering patient histories, interviewing patients, recognizing signs and symptoms, and assessing physical, mental, and emotional health status.

Pre-requisites: ACP 501, ACP 502, and ACP 503

Co-requisites: ACP 505 and ACP 516

Instructor

Dawn Brownschlaigle ACP, BScHS, BSN

Office: BL253

Email: dawn.brownschlaigle@keyano.ca

Office Hours

0830 - 1630

Hours of Instruction

30 hours

ACP 507 - Course Zoom Link

https://keyano.zoom.us/j/93567541035

Resources

Ball, J. W., Dains, J. E., Flynn, J. A., Solomon, B. S., & Stewart, R. W. (2022). *Seidel's guide to physical examination* (10th ed.). Elsevier.

Optional Resources

American Academy of Pediatrics., & American Heart Association. (2020). *Pediatric advanced life support – provider manual: PALS.*

Campbell, J. E., American College of Emergency Physicians (2019). *International trauma life support: ITLS* (9th ed.). Upper Saddle River, N.J: Pearson/Prentice Hall.

Field, J. M., Gonzales, L., Hazinski, M. F., Ruple, J. A., & American Heart Association. (2020). *Advanced cardiovascular life support - provider manual*: ACLS.

National Association of Emergency Medical Technicians (2021). *Advanced medical life support : an assessment-based approach* (3rd ed.). Jones & Bartlett learning.

Course Outcomes

Upon successful completion of the course, the student shall be able to perform at an ACP level:

- Outline how comprehensive physical assessments are crutial to guide general patient impressions, history taking questions, correct working diagnosis, accurate treatment plans, and evaluation of treatment effectiveness for optimal patient outcomes with various underlying conditions.
- Integrate knowledge and skills acquired during this course into systematic assessment approaches for ITLS, AMLS, ACLS, and PALS.
- Discuss and perform organized comprehensive physical examinations using a systematic approach for all body systems.
- Differentiate normal from abnormal assessment findings relative to differences in age, sex, and condition(s).
- Discuss and perform accurate history taking and interview approaches for all body systems.
- Perform accurate vital signs and discuss normal and abnormal findings relative to age, sex, and condition(s).
- Discuss and perform accurate reporting and documentation.

Evaluation

- Students must achieve a minimum of **76%** (B) for total course grade to pass this course (see below for grading system).
- Final Exam will require <u>mandatory attendance</u>. Absences will require prior approval and will be handled based on Policies and Procedures for Keyano College.
- Late assignments will result in -10% of weighted grade per day to a maximum 2 days late (-20%). Late submissions beyond 2 days will result in a zero.

Grading System

Descriptor	Alpha Scale	4.0 Numeric Scale	Percentage
Excellent	A+ A A-	4.0 4.0 3.7	96-100 90-95 85-89
Good	B+ B B-	3.3 3.0 2.7	80-84 76-79 72-75
Satisfactory	C+ C C-	2.3 2.0 1.7	68-71 64-67 60-63
Poor Minimum Pass	D+ D	1.3 1.0	55-59 50-54
Failure	F	0	0-49

Course Evaluation

Evaluation Item	Grade weight
Module Quizzes • There will be 12 quizzes total. The <u>top 10 grades</u> will be used for final grading (2.5% each) • Multiple choice (20 questions per quiz) • *See Schedule and Moodle for <u>Friday</u> due dates*	25%
Module Assignments • There are <u>3 mini-assignments</u> for a total of 5% each: • Module 4 - Cranial Nerve Assignment • Module 5 - Cardiovascular Assignment • Module 6 - Abdomen Assignment • *See Moodle and Schedule for <u>Friday</u> due dates*	15%
Video Assignment • *Due June 26, 2023 at midnight*	30%
Final Exam • Multiple choice (100 questions) • Modules 1 – 6 • *June 29, 2023, at 0900-1130 hrs*	30%
Total Course Grade	**100%**

* Multiple-choice exams are designed to introduce the student to COPR style of written examinations

Proposed Schedule

Dates	Modules and Content/Readings
May 3, 2023 (0900-1200 hrs)	**Module 1.1: Assessment Approaches**
	• Course outline and expectations • Systematic approaches – ITLS and AMLS (material provided) • Module 1.1 Quiz – Due May 12, 2023 @ 0900
May 5, 2023 (0900-1200 hrs)	**Module 1.2: Assessment Approaches**
	• Chapter 26: Emergency or Life-Threatening Situations • Systematic approaches - ACLS and PALS (material provided) • Module 1.2 Quiz – Due May 12, 2023 @ 0900
May 10, 2023 (0900-1200 hrs)	**Module 2.1: Physical Exam Applications**
	• Chapter 1: The History and Interviewing Process • Chapter 2: Cultural Competency • Chapter 3: Examination Techniques and Equipment • Module 2.1 Quiz – Due May 19, 2023 @ 0900
May 12, 2023 (0900-1200 hrs)	**Module 2.2: Physical Exam Applications**
	• Chapter 4: Clinical Reasoning • Chapter 5: Documentation • Chapter 6: Vital Signs and Pain Assessment • Module 2.2 Quiz – Due May 19, 2023 @ 0900
May 17, 2023 (pre-recorded)	**Module 3: Integumentary and Lymphatic Systems**
	• Chapter 8: Growth, Measurement, and Nutrition • Chapter 9: Skin, Hair, and Nails • Chapter 10: Lymphatic System • Module 3 Quiz – Due May 26, 2023 @ 0900
May 19, 2023 (pre-recorded)	**Module 4.1: Head, Neck, and EENT**
	• Chapter 11: Head and Neck • Chapter 12: Eyes • Chapter 13: Ears, Nose, and Throat • Module 4.1 Quiz – Due May 26, 2023 @ 0900
May 24, 2023 (0900-1200 hrs)	**Module 4.2: Neurological System**
	• Chapter 7: Mental Status • Chapter 23: Neurologic System • Module 4.2 Quiz – Due June 9, 2023 @ 0900
May 26, 2023 (0900-1200 hrs)	**Module 5.1: Chest and Respiratory System**
	• Chapter 14: Chest and Lungs • Module 5.1 Quiz – Due June 9, 2023 @ 0900

May 29 – June 2, 2023	**TECH WEEK** • One class (3 hr equivalent) dedicated to practicing content and associated skills
June 7, 2023 (0900-1200 hrs)	**Module 5.2: Cardiovascular System**
	• Chapter 15: Heart • Chapter 16: Blood vessels • Module 5.2 Quiz – Due June 16, 2023 @ 0900
June 9, 2023 (0900-1200 hrs)	**Module 6.1: Abdominal Assessment**
	• Chapter 18: Abdomen • Module 6.1 Quiz – Due June 16, 2023 @ 0900
	Module 6.2: Reproductive System • Chapter 19: Female Genitalia • Chapter 20: Male Genitalia • Module 6.2 Quiz – Due June 16, 2023 @ 0900
June 14, 2023 (0900-1200 hrs)	**Module 7: Musculoskeletal System** • Chapter 22: Musculoskeletal System • Module 7 Quiz – Due June 23, 2023 @ 0900
June 16, 2023 (0900-1200 hrs)	**Review - Putting it all Together** • Chapter 24: Putting It All Together
June 19 – June 23, 2023	**TECH WEEK** • One class (3 hr equivalent) dedicated to practicing content and associated skills
June 26, 2023 (0900 hrs)	***Video Assignment Due***
June 29, 2023 (0900-1130 hrs)	**Final Exam** • Modules 1-7 • 100 Multiple Choice Questions

Please Note:

Date and time allotted to each topic is subject to change.

Performance Requirements and Student Services

Student Responsibilities

As a student, it is your responsibility to contact the Office of the Registrar to complete the required forms, including the Withdrawal/Drop Form. All forms are available on the College website. Please refer to the important dates listed in the Academic Schedule in the Keyano College credit calendar and/or on the College website. It is the responsibility of each student to be aware of the guidelines outlined in the Student and Academic Policies.

Student Attendance

Class attendance is helpful for two reasons: First, class attendance maximizes a student's learning experience. Second, attending class is an excellent way to keep informed of matters relating to the course administration (e.g., the timing of assignments and exams). Ultimately, you are responsible for your learning and performance in this course. It is the responsibility of each student to be prepared for all classes. Absent students are responsible for the material covered in those classes, and students must ensure they are ready for their next class, including completing any missed assignments and notes.

Course Evaluation

Midterm exams and term work is to be completed at the time/date indicated in your course syllabus. It is the expectation of the College that students make every reasonable effort to complete all course evaluation, including, quizzes, midterms, and exams, as scheduled. In the event of an emergency, rescheduling of exams and/or extensions are only provided at the discretion of the course instructor. Students should contact the instructor as soon as they are able, to notify them of missing an evaluative component. Instructors will use discretion in deciding whether circumstances justify granting a reschedule and/or extension.

Regular term quizzes, midterms, and exams are not eligible for deferral and/or date extension accommodations. Students with accommodations, please refer to Accessibility Services.

Final Exams are subject to deferral processes, please refer to the current Keyano College Credit Calendar.

Academic Integrity & Misconduct

Academic integrity requires commitment to the values of honesty, trust, fairness, respect, and responsibility. It is expected that students at Keyano College will adhere to these ethical values in all activities related to learning, teaching, research, and service. Any action that contravenes this standard, including misrepresentation, falsification, or deception, undermines the intention and worth of scholarly work and violates the fundamental academic rights of members of our community.

Academic dishonesty takes many forms:

- Plagiarism or the submission of another person's work as their own,
- The use of unauthorized aids in assignments or examinations (cheating),
- Using Artificial Intelligence (AI) to complete coursework (without instructor approval),
- 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,
- Submitting unchanged work for another assignment, and
- Breach of confidentiality.

In all academic work, the ideas and contributions of others must be appropriately acknowledged and work that is presented as original must be, in fact, original. Using an AI-content generator (such as ChatGPT)

to complete coursework without proper attribution or authorization is a form of academic dishonesty. If you are unsure about whether something may be plagiarism or academic dishonesty, please contact your instructor to discuss the issue.

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 & Academic Policies* 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, Academic Integrity, and Non-Academic Misconduct Policies.

To ensure your understanding of plagiarism, you may be required to complete the online Understanding Plagiarism tutorial and submit the certificate of completion.

Online Learning

Technology and internet connectivity will impact your online learning experience. You may be required to watch online videos, take online quizzes, or participate in live online classes. Live/virtual courses 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 access to the correct tools for online learning is essential.

Internet Speed

Minimum download and upload speeds of 10 Mbps. Recommended download speeds of 25 Mbps and upload speeds of 10 Mbps (if you are sharing your internet at home). You can check your internet speed with Speedtest by Ookla.

Computer System Requirements

Keyano College software are Windows based.

Minimum Requirements and Recommended Upgrades for Windows (preferred system) and Apple devices
These minimum standards are required for a Windows computer/laptop (OS 10 or 11) and a MacIntosh (OS 10.14 or above.
1. Windows 10 Operating System or above 2. 4GB of RAM. Recommended upgrade to 8GB of RAM. 3. 10GB+ available hard drive storage space. Note installing Microsoft Office 365 requires 3GB of available hard drive space.   a. Install the Microsoft Office 365 suite (~3GB) * 4. Microphone, webcam, and speakers (All modern laptops have these three accessories built-in. However, a headset or earbuds with a microphone is also recommended. 5. Windows has built-in anti-virus/malware software. It is essential to install system updates to keep your device secured regularly. *Microsoft Office 365 is free to Keyano students.
Tablets, iPads, and Chromebooks are **not** recommended: they may not be compatible with the testing lockdown browsers and Microsoft Office 365.

Specific Department Requirements

Business and OA programs require Windows 10 or higher.

Other programs may utilize Windows-based tools as well.

Computer Software

Students have access to Microsoft Office 365 and Read & Write for free using Keyano credentials.

See Recommended Technology for more information.

Recording of Lectures and Intellectual Property

Students may only record a lecture if explicit permission is provided by the instructor or 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 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 have issues with your student account, you can contact the ITS Helpdesk by emailing its.helpdesk@keyano.ca or calling 780-791-4965.

Specialized Supports

Keyano College is committed to Keyano students and their academic success. There is a variety of student support available at Keyano. All student services are available during Keyano business hours: Monday to Friday, 8:30 a.m. to 4:30 p.m. The College is closed on statutory holidays. If you require support outside of regular business hours, please inform the support service team, and they will do their best to accommodate your needs.

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

Accessibility Services also provides individual and group learning strategy instruction for all students and technology training and support to enhance learning. You can meet with an Access Strategist to learn studying and test-taking strategies. In addition, you can 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 provide a safe and confidential environment for you to seek help with personal concerns. Our Wellness Navigator offers support with basic needs such as housing, financial and nutritional support, and outside referrals when needed. Wellness Services welcomes students to participate in group sessions that address topics including mindfulness and test anxiety throughout the academic year. Individual appointments can be made by emailing wellness.services@keyano.ca.

Library Services provides students with research, information, and educational technology supports as they engage in their studies. Library staff are available to help you online and in person throughout the semester. Librarians offer individual and small group consultations booked using the online Book A

Librarian calendar. The library also provides virtual research and subject guides to help you with your studies. Find the guide that supports your course-related research by viewing the complete list of online Subject Guides. To start your research and access citation guides (APA, MLA, Chicago, or IEEE), visit the Research Help page. The library's collections (including print and online materials) are searchable using OneSearch. The library offers a Loanable Technology collection to support students accessing and using technology. For an up-to-date list of technology available for borrowing, visit the library's Loanable Technology webpage. For a detailed list of library resources and services, go to www.keyano.ca/library. For all inquiries, please email askthelibrary@keyano.ca or chat with us online.

The **Academic Success Centre** at Keyano College (CC-119) provides free academic support services to registered students, such as tutoring, writing support, facilitated study groups, workshops, and study space. Academic Content Specialists are available in Mathematics, Science, Trades, Power Engineering, Upgrading/College Prep, Human Services, English, Humanities, and more. Students are encouraged to visit the Academic Success Centre to discuss study strategies and academic concerns.

Specialists in the Academic Success Centre also work with students to develop academic success plans, time management skills, study strategies, and homework plans. For additional information, please email Academic.Success@keyano.ca.

Authorization

This course outline has been reviewed and approved by the Program Chair.

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[Dawn, Brownschlaigle], Instructor

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[Candi, Muise], Chair   Date Authorized

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[Arlene, Starkes], Dean   Date Authorized

Signed copies to be delivered to:
Instructor – Dawn Brownschlaigle

April 2023
Dawn Brownschlaigle