



COURSE OVERVIEW

PCP-126, Lab Skills 2, will be delivered in the classroom setting using an interactive, student-centered blend of skills demonstration, lecture, group discussion and skills practice. PCP-126 Lab Skills 2 is a continuation of PCP-116 Lab Skills 1 and as such will continue to introduce students to the essential paramedic skills that will be practiced and honed during lab time.

Specific topics include: shock, bleeding control, motor function & sensory exams, restraining a patient, pediatric airway management and ventilation, child, infant, & newborn cardiac arrest management, child and infant immobilization, and mechanical ventilation

MEETING TIMES & INSTRUCTIONAL METHODS

In-class sessions

Lecture/Group Discussion: Tuesdays 10:15 – 12:00

Total hours: 23

REQUIRED MATERIALS, PREREQUISITES, & COREQUISITES

Textbook

Caroline, N. (2021). *Emergency Care in the Streets, Canadian Edition 8th edition*. Burlington, MA, Jones and Bartlett Learning.

Class Materials

Students will be expected to come to class prepared to take notes and to complete in-class activities. Instructors may also specify the use of mobile phones and laptops for some activities.

Supplemental Materials to be posted on the private members' area of the Omni Life Support website: Materials related to PCP-126 such as in-class presentations & assignments will be available for student access on this website. Academy faculty does not authorize the posting of PCP-126 materials on other sites. Each student is responsible for his/her own learning which includes staying current with postings on the Omni Life Support website.



OLS Academy

Primary Care Paramedicine 2023-24
Term 2 | Block 1 & 2
PCP-126 Lab Skills 2
OLS Academy
Course Outline

Prerequisites:

PCP-116 Lab Skills 1

Corequisites:

PCP-100, PCP-108, PCP-122, PCP-124, PCP-127, PCP-129,
& PCP-12PT

INSTRUCTOR(S)

Instructor: Chelsea Greene, PCP

E-mail: chelsea.greene@omnilifesupport.com

Voice: (506) 830-4277

LEARNING OUTCOMES:

Upon successful completion of this course, it is expected that students will have gained sufficient knowledge and skill to safely and proficiently perform skills utilized in the assessment and treatment of patients suffering from medical and traumatic emergencies. By the end of the course, the student will be able to:

- Recognize signs and symptoms of shock
- Demonstrate techniques for controlling bleeds
- Perform a motor function and sensory exam
- Explain lawful and ethical techniques for restraining patients
- Demonstrate techniques for managing a pediatric airway
- Demonstrate the management of a child, infant, & neonate patient in cardiac arrest
- Utilize pediatric immobilization equipment and demonstrate appropriate immobilization techniques for pediatric patients
- Describe basic principles for mechanical ventilation and the role that a Primary Care Paramedic can play during its administration

INTENDED LEARNING OBJECTIVES:

Learning objectives for PCP-126 Lab Skills are guided by the *National Occupational Competency Profiles (NOCP)* for Paramedics. Each objective, indicated by the prefix "O", is linked to the corresponding NOCP sub-competency with the matching alpha-numerical code (e.g., O1.1.a is the learning objective tied to sub-competency 1.1.a of the NOCP for Paramedics). As per the NOCP guidelines for Paramedics, to succeed in this course, you must demonstrate competence in the following areas.



Learning Objectives	Embedded Knowledge and Skills
O4.5.o	By the end of the course, the student will be able to: <ul style="list-style-type: none"> ○ 4.5.o.1 - Describe common radiological data. ○ 4.5.o.2 - Differentiate normal from abnormal results.
O4.5.p	By the end of the course, the student will be able to: <ul style="list-style-type: none"> ○ 4.5.p.1 - Describe common findings of a CT, ultrasound, and MRI.
O4.5.q	By the end of the course, the student will be able to: <ul style="list-style-type: none"> ○ 4.5.q.1 - Identify indications and rationale for performing urinalysis. ○ 4.5.q.2 - Identify common assessments associated with urinalysis by qualitative method.
O5.4.b	By the end of the course, the student will be able to: <ul style="list-style-type: none"> ○ 5.4.b.1 - Define “mechanical ventilation”. ○ 5.4.b.2 - Identify the various types of mechanical ventilation equipment. ○ 5.4.b.3 - List indications for mechanical ventilation.
O5.4.c	By the end of the course, the student will be able to: <ul style="list-style-type: none"> ○ 5.4.c.1 - Discuss potential complications and safety issues when using mechanical ventilation. ○ 5.4.c.2 - Describe vent circuit, end tidal carbon dioxide, manometer, and respirometer. ○ 5.4.c.3 - Differentiate between intermittent mandatory ventilation, continuous mandatory ventilation, assist control, and inverse ratio ventilation. ○ 5.4.c.4 - Discuss continuous positive airway pressure, positive end expiratory pressure, and noninvasive positive pressure ventilation. ○ 5.4.c.5 - Describe blender, saturated oxygen. ○ 5.4.c.6 - Describe compliance, resistance, plateau pressure, inspiratory pressure, expiratory pressure, peak expiratory pressure, tidal volume, and respiratory rate.



Learning Objectives	Embedded Knowledge and Skills
05.4.d	By the end of the course, the student will be able to: <ul style="list-style-type: none"> ○ 5.4.d.1 - Describe use of mechanical ventilator based on patient presentation. ○ 5.4.d.2 - Describe the adjustment of parameters to changes in ventilatory and hemodynamic status. ○ 5.4.d.3 - Discuss the use of mechanical ventilator based on patient presentation. ○ 5.4.d.4 - Discuss the use of capnography and pulse oximetry.

GRADING

Students will be evaluated through practical examination, successful skills sign-offs & class participation. A minimum of **70%** must be attained to receive a passing grade for PCP-126 Lab Skills 2.

Class Engagement	50%
Skills Sign-offs	50%

EXPECTATIONS & TIPS FOR SUCCESS

Academic Standards and Workload: Appropriate professional tone is expected on all student submissions and examinations. This is to help build strong professional practice skills.

A typical PCP course should require 1-2 hours per week of out-of-class work. This time may vary depending on how quickly you read and comprehend assigned course materials.

Classroom Protocol: Students are expected to be courteous & respectful of others, and mindful that a classroom is a shared working space with the primary goal of learning. Unnecessary distractions are to be minimized – that includes turning off cell phones and other distracters during lectures unless permission has been granted.

Tardiness is strongly discouraged as it is in the Paramedic workplace. If for some reason you arrive late, please wait and enter the class during break.

Unless otherwise notified by the class instructor, attendance to all classes is mandatory. Absences will be dealt with on a case-by-case basis.



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Engagement Points: A student's engagement will be graded out of 100 (representing 20% of the overall course mark). Students will be evaluated on their attendance and participation in every class. Each class will be worth an equal portion of the total 100 points. (See: *Engagement Rubric* in the Resource Folder.)

Absence Due to Special Circumstances or Illness: Let Ms. Greene know in advance if you need to be away due to special circumstances. If the event conflicts with class examinations, verification of the reason for absence will be required.

Academic Integrity: In order to maintain a culture of academic integrity, members of the OLS Academy community are expected to promote honesty, trust, fairness, respect and responsibility.

Communication Methods: Most communications regarding PCP-126 will be done during class sessions. Special announcements will be posted on the OLS Academy website. Emails sent to students will be sent from academy@omnilifesupport.com. Students can email the instructor at chelsea.greene@omnilifesupport.com with the intended recipient's name in the subject line.

This outline is subject to change at the discretion of academy administrators.