OLS Academy

Primary Care Paramedicine 2025-26
Term 2
PCP-126 Lab Skills II
OLS Academy
Course Outline

COURSE OVERVIEW

PCP-126 Lab Skills II 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 II* is a continuation of *PCP-116 Lab Skills I* 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: rapid trauma surveys, motor function and sensory exams, patient immobilization, shock, bleeding control, restraining patients, pediatric airway management and ventilation, child, infant, & newborn cardiac arrest management, 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 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 and 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 their own learning, which includes staying current with postings on the Omni Life Support website.

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Prerequisites: PCP-116 Lab Skills I
Corequisites: PCP-100, PCP-108, PCP-122, PCP-124, PCP-127, PCP-129, & PCP-12PT

INSTRUCTOR(S)

Instructor: Cheyenne Heath, ACP E-mail: cheyenne.heath@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 skills 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 II* 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: ○ **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: ○ **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: ○ **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: ○ **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: ○ **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
O5.4.d	By the end of the course, the student will be able to: ○ **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 skills evaluations (tracked through *CompTracker)*. A mastery in *all* Lab Skills II competencies must be attained to receive a passing grade for PCP-126 – Lab Skills II. Students who fail to achieve 100% completion on their Lab Skills II competencies will receive an "Incomplete."

CompTracker - Lab Skills II Competencies Mastery

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 and respectful of others, and mindful that a classroom is a shared working space with the primary goal of learning course material.

Unnecessary distractions are to be minimized. This includes turning off cell phones and other distractors during lectures unless permission has been granted by the instructor.

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 the break.

Unless otherwise notified by the class instructor, attendance of all classes is mandatory.

Absences will be dealt with on a case-by-case basis.

Deadlines and Late Penalties: Course deliverables submitted after the due date will be assigned a grade of zero (0). This penalty may be waived at the discretion of the instructor in the event of extraordinary or special circumstances (with supporting verification/documentation).

Absence Due to Special Circumstances or Illness: Let Ms. Heath 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. **Total Amount of Absences Permitted** = 2 classes.

Academic Integrity: 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 cheyenne.heath@omnilifesupport.com.

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