

## Justice Institute of British Columbia COURSE OUTLINE

<b>Course Code:</b>	<b>PARA220</b>
<b>Course Title:</b>	<b>Fundamentals of Paramedical Care 2</b>
<b>Prerequisite Courses: :</b>	<b>PARA200 Fundamentals of Paramedical Care 1</b>
<b>School:</b>	<b>School of Health, Community and Social Justice</b>
<b>Division/Academy/Centre:</b>	<b>Health Sciences Division-Paramedic Academy</b>
<b>Previous Course Code &amp; Title:</b>	<b>CS220 Core Skills 220; CS221 Core Skills 221; CS222 Core Skills 222</b>
<b>Course First Offered:</b>	<b>August 2013</b>

<b># of Credits:</b>	<b>6.0</b>
----------------------	------------

**Course Description:** This course introduces learners to the principles of interprofessional practice and the continuum of patient care. Learners will acquire and practice the skills of teamwork in interprofessional cases.

In preparation for assessing and managing stable trauma patients, learners in this course will acquire the core concepts and skills to assess and manage traumatic injuries, such as wounds, burns, fractures and spinal injuries. Pain management will be integral in the treatment of these patients.

Learners will practice skills using Primary Care Paramedic (PCP) equipment to quickly intervene and manage patients with compromised airways, in respiratory distress and respiratory arrest, with life-threatening external hemorrhage, and in cardiac arrest. Not only are these the core assessment and management skills that save patients' lives and limbs, they are also the building blocks for the proficient management of specialty incidents.

Cardiac arrest management, hazardous materials incidents, crime scenes, terrorist incidents, vehicle extrication, patient recovery situations, and multiple casualty incidents are intense situations requiring enhanced care and specialized training. In this course, learners will acquire and practice the specific skills and procedures to calmly and systematically assess, manage and treat patients in these highly volatile situations. Further, learners will acquire and practices skills to support distressed patients and help manage their pain, as well as support grief-stricken family members and bystanders.

This course also covers principles of ambulance operations in land and air-based settings.

**Course Goal(s):** The goals of this course are to:

- The skills, knowledge, and judgment to develop a strong interprofessional practice;
- The skills, knowledge, and judgment required to assess and manage a stable patient with soft tissue and musculoskeletal injuries using Primary Care Paramedic (PCP) treatments, drugs and protocols;
- The specific skills, knowledge, and judgment required to properly assess and manage ambulance calls that involve special situations such as: cardiac arrest; hazardous materials; mass casualty incidents; nuclear, chemical, explosive, and biological incidents;

crime scenes; vehicle extrication; over-the-bank situations; and, land- and air-based transports.

**Learning Outcomes:**

Upon successful completion of this course, the learner will be able to:

- Discuss interprofessional practice in the context of community care
  - Describe and demonstrate the basic principles of call management
  - Perform the PCP Cardiac Arrest protocol, and discuss its indications, contraindications, guidelines and procedures
  - Manage patients in cardiac arrest using PCP equipment, skills, procedures and protocols
  - Manage stress and grief in family, bystanders and other responders at the scene of an emergency
- Perform the PCP Pain Management protocol and discuss its indications, contraindications, guidelines and procedures
- Use PCP equipment, skills, procedures, treatments and protocols to:
  - assess and manage patients with burns
  - assess and manage patients with wounds
  - assess and manage patients with musculoskeletal injuries
  - assess and manage patients with spinal injuries
- Assess and manage multiple patient and mass casualty incidents
- Evaluate and manage calls involving patient recovery
- Assess and manage patients requiring vehicle extrication
- Manage calls involving hazardous materials
- Describe and demonstrate techniques to manage risk and preserve evidence in potentially violent situations and crime scenes
- Relate the role of the paramedic in dealing with nuclear, chemical and biological incidents (CBRNE)
- Discuss the continuum of patient care
- Discuss the process, preparation and procedures for assessing and managing an inter-facility transfer
- Relate the indications, contraindications, equipment required, procedures and role of the Primary Care Paramedic in assisting Advanced Care Paramedic or hospital personnel during advanced procedures
- Describe the paramedic's role and procedures related to land-transport operations
- Outline the paramedic's role and procedures related to air transport operations
- Prepare patients for air transport

**Course Topics/Content:**

- Principles of Interprofessional Practice
- Cardiac Arrest Management
  - Grief Management
- Stable Trauma Management
  - Spinal Management
  - Pain Management
  - Burn Management
  - Fracture Management
- Mass Casualty Incidents

- Patient Recovery
- Vehicle Extrication
- HAZMAT
- Crime Scene Management
- CBRNE Incidents
- Continuum of Patient Care
  - The Patient
  - Inter-facility Transfers
  - Advanced Care Paramedicine
  - Land and Air Transport Operations

**Text and Resource Materials:**

**Required:**

1. Bledsoe, B.E et al. (2006). *Essentials of Paramedic Care, Canadian Edition, Vol. 1 & 2*. Toronto, ON: Pearson Education Inc.
2. Paramedic Academy, *Training, Treatment and Protocol Manual*. (Revised 2013). Provided online with the cost of tuition. A paper-based version is available for purchase.
3. Paramedic Academy, *Classroom Logbook*. (Revised 2013). Supplied by the Paramedic Academy as part of the course tuition.
4. Caroline, N.L. (2008). *Nancy Caroline's Emergency Care in the Streets. (6th edition)*. Sudbury, MA: Jones and Bartlett. (Excerpts only provided online.)
5. Other online resources and readings provided through the Blackboard LMS.

**Course Level:**

	First Year	X	Second Year		Third Year		Fourth Year
	Graduate		Other (describe):				

**Equivalent Course(s) within the JIBC:**

**Class Delivery Methods:**

Delivery Methods	Class Option A (Hours)	Class Option B (Hours)	Class Option C (Hours)	Class Option D (Hours)
Classroom/Lecture/Discussion	21	7		
Simulation/Lab	63	63		
Praxis Exercise				
Practicum/Fieldwork				
Online		14		
Correspondence				
<b>Total Class Hours</b>	84	84		

**Comments on Delivery Methods:**

The Fundamentals of Paramedical Care 2 course is delivered by experienced practitioners that work in pre-hospital and allied health care settings.

Note: In addition to the hours specified above, learners will be required to spend further classroom time on evaluation of skills and a written examination.

**Course Grading System:**

Letter Grades	X	Percentage	Pass/Fail
Complete/Incomplete		Attendance Only	

<b>Passing Grade:</b>	75%
-----------------------	-----

**Evaluation Activities and Weighting:**

Final Written Exam	40%	Assignments	%	Project	10%	Capstone Project	%
Final Practical Exam	40%	Portfolio	%	Participation	10%	Other	%
Quizzes/Test	%	Simulations	%	Practicum	%	TOTAL	100%

**Comments on Evaluation Activities and Weighting:**

In addition to the Evaluation Activities, students are required to competently perform, document, and submit to an electronic tracking system all related mandatory skills (S or Simulation competencies) set out by the Paramedic Association of Canada (PAC) and accredited by the Canadian Medical Association (CMA).

Students are required to complete the stand-alone online JIBC course, Emergency Vehicle Driving Regulations, with a passing grade on the Final Written Exam of 75%. Access to this course will be provided as part of the PARA200 course.

In addition to the overall passing grade, students must achieve a grade of 75% or higher on the Final Exams in order to pass the course.

**Retests:**

Students who receive a grade below 75% on an exam may be provided with the opportunity to complete one retest per failed exam. If a student does not achieve a grade of 75% or higher on a retest they may be required to withdraw from the program (see SOHS Program Procedures: Academic Progress for more information).

Late assignments will not be accepted for marking without prior permission of the Regional Training Coordinator. Students may only complete missed assignments, quizzes, projects or exams at the discretion of the Regional Training Coordinator.

**Other Course Guidelines, Procedures and Comments:**

Students must maintain a 90% overall attendance, and must be present for all examinations as well as specified learning activities, such as field trips or specialty days.

**PCP Program Procedures**

<http://jibc.ca/programs-courses/schools-departments/school-health-sciences/paramedic-academy/programs/primary-care-paramedic>

These documents are located in the “Policy and Procedures” drop down menu located at the bottom of the above noted page.

- Program Evaluation Policy
- Program Grading Policy
- Program Academic Progression Policy

View official versions of related JIBC academic regulations and student policies in the *JIBC Calendar* on the following pages of the JIBC website:

**Academic Regulations:**

<http://www.jibc.ca/programs-courses/jibc-calendar/academic-regulations>

Student Academic Integrity Policy  
Academic Progression Policy  
Admissions Policy  
Academic Appeals Policy  
Evaluation Policy  
Grading Policy

**Student Policies:**

<http://www.jibc.ca/programs-courses/jibc-calendar/student-policies>

Access Policy  
Harassment Policy – Students  
Student Records Policy  
Student Code of Conduct Policy

## **JIBC Core Competencies**

The JIBC promotes the development of core and specialized competencies in its programs. Graduates of our programs will demonstrate high levels of competence in the following areas:

### **Critical thinking**

Identify and examine issues and ideas; analyze and evaluate options in a variety of fields with differing assumptions, contents and methods.

### **Communication, oral and written**

Demonstrate effective communication skills by selecting the appropriate style, language and form of communication suitable for different audiences and mediums.

### **Leadership**

Inspire individuals and teams to reach their potential by embracing innovation through strategic thinking and shared responsibility.

### **Independent learning**

Show initiative by acting independently in choosing effective, efficient and appropriate applied learning, research and problem solving strategies.

### **Problem solving**

State problems clearly; effectively and efficiently evaluate alternative solutions; choose solutions that maximize positive and minimize negative outcomes.

### **Interpersonal relations**

Know and manage oneself; recognize and acknowledge the needs and emotions of others including those with diverse backgrounds and capabilities.

### **Inter-professional teamwork**

Understand and work productively within and between groups, respect others' perspectives and provide constructive feedback with special attention to inter-professional relationships.

### **Information literacy**

Recognize and analyze the extent and nature of an information need; efficiently locate and retrieve information; evaluate it and its sources critically, and use information effectively and ethically.