

OFFICIAL COURSE OUTLINE

Course Code:	PARA-1050
Short Title:	Emergency Medical Responder
Long Title:	Emergency Medical Responder
Prerequisites:	Minimum age; 16 years.
Co-requisites:	None
School:	School of Health, Community and Social Justice
Division/Academy/Centre:	Health Sciences Division
Previous Code & Title:	EMR100
Course First Offered:	January 2005

Credits:	6.5
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Course Description

The Emergency Medical Responder (EMR) course offers an introduction to healthcare education for those intending to apply to the Primary Care Paramedic program or challenge provincial licensing examinations to seek employment. The EMR curriculum contains foundational education in anatomy, physiology, pathophysiology and pharmacology. Current best practices in trauma life-support and treatment guidelines form an experiential, course is led by skilled paramedic field-practitioners focusing on the development of the learner to attain core-competencies as defined by the Paramedic Association of Canada (PAC).

Optional EMR WordPress Online Resource will provide the students with an opportunity to study the EMR Modules, Lessons and Skill Videos and also complete quizzes prior to coming into the EMR Class.

Provincially-licensed EMR graduates are employed within areas including: ambulance services; fire departments; industrial projects; life guarding and ski-patrol.

Course Goals

- To prepare students for further education or a career within health care
- To provide successful students with an Emergency Medical Responder certification for provincial licensing applications
- To provide successful students with cardio-pulmonary resuscitation certification level 'C' – Health Care Provider (CPR-HCP)
- To provide 4 elective credits towards the British Columbia Dogwood Diploma, allocated through the BC Ministry of Education

Learning Outcomes

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

1. Describe the components of the Emergency Health Services system
2. Describe the fundamental principles of anatomy and physiology
3. Assess and manage a broad range of life-threatening traumatic and medical emergencies
4. Demonstrate a secondary assessment involving history taking and diagnostics
5. Demonstrate basic airway and breathing management and critical interventions
6. Demonstrate cardiopulmonary resuscitation (CPR) and Automated External Defibrillation (AED)
7. Demonstrate spinal-injury management procedures and techniques
8. Demonstrate the following specific treatments and medical interventions:
 - a. Acute coronary syndrome symptom relief with oxygen, nitroglycerin and acetylsalicylic acid
 - b. Blood glucose sampling and glucose administration to treat diabetic emergencies
 - c. Pain management through the administration of nitrous oxide gas
 - d. Emergency childbirth and neonatal/pediatric basic life support
 - e. Basic first-aid techniques including minor wound care and at-work treatment
 - f. Maintenance and dosage calculations of an intravenous line
9. Describe mass casualty and special rescue considerations

Course Topics/Content

- Fundamentals of Emergency Medicine
- Assessment and Diagnostics
- Medical Conditions and Emergencies
- Traumatic Emergencies and Soft Tissue Injuries
- Diverse Populations and EMS Operations

Text & Resource Materials

NOTE: Not all resources on this list will be required by students. Notification will be given to students about which resources are required for the course at the time of enrollment.

1. Emergency Medical Responder: A Skills Approach. Fifth Canadian Edition, 2018. K. Karren et al. ISBN 978-0-13-394621-5
2. Emergency Care: 2012. The Canadian Red Cross Society. ISBN 978-1-58480-560-1
3. Canadian Red Cross CPR Book: Canadian Red Cross 2017 ISBN 978-1-58480-678-3

4. Emergency Medical Responder Student Study Guide and Resource Manual (2015). Justice Institute of British Columbia, School of Health Sciences.
5. BC Emergency Health Services Act, Emergency Medical Assistants Regulation. BC Reg. 210/2010 (Available online at the following link:
www.bclaws.ca/civix/document/id/complete/statreg/210_2010)
6. British Columbia Emergency Health Services Treatment Guidelines (Available online at the following link: www.bctg.bcas.ca)
7. EMR WordPress Online Optional Resource
Available online at the following link: <https://microlearn.jibc.ca/emr>

Equivalent JIBC Courses

None.

Instructional Method(s) <i>(select all that apply)</i>	Hours
<input checked="" type="checkbox"/> Direct Instruction (lecture, seminar, role plays, independent study, etc.)	21
<input checked="" type="checkbox"/> Supervised Practice (includes simulations & labs)	84
<input type="checkbox"/> Practice Education, Field Placement, Internship or Co-op	
Total	105

Course Evaluation

The evaluation criteria used for this course are represented below. Specific course evaluation information will be provided by the instructor at the start of the course.

Criterion	% of Final Grade <i>(may be represented as a range)</i>
Course work (activities, assignments, essays, reports, etc.)	15%
Quizzes and exams	35%
Simulations/Labs	50%
Attendance/Participation (in class or online)	0%
Practice Education/Internships	0%
Total	100%

Comments on Evaluation

A total of 4 written evaluations are required to achieve a 'PASS' grade in the course. To be eligible for entry into the final comprehensive written examination; a minimum pass grade of 70% is required in interim written examinations 1 & 2 and a minimum pass grade of 75% is required for the CPR-AED written examination. A minimum pass grade of 70% is required in the final comprehensive written examination.

A total of 7 practical assessments are required to achieve a 'PASS' grade in the PARA-1050 course. To be eligible for entry into the final practical examinations; a minimum pass grade of 70% is required in all practical core skills and endorsement assessments (Patient Assessment, Airway & Breathing, CPR-AED, Spinal Management and Intravenous Maintenance). A minimum pass grade of 70% is required in final practical evaluations of medical and traumatic injury scenarios.

Students who receive a grade below 70% on an exam will be provided with the opportunity to complete one retest per failed exam (see Program Evaluation Guidelines for more information). If a student does not achieve a grade of 70% or higher on the retest they will receive a final grade of 'FAIL'. Students have 60 days from the date of their final practical evaluation to complete a retest. Failure to complete this requirement within 60 days will result in a 'FAIL' grade.

Summary of Evaluative Components:

- Written interim examinations 1 & 2: Minimum of 70% to pass with 2 attempts – grade of 69% or less will result in overall 'FAIL' grade being applied to course result
- Canadian Red Cross CPR examination: Minimum of 75% to pass with 2 attempts – grade of 74% or less will result overall 'FAIL' grade being applied to course result
- Final comprehensive written examination: Minimum of 70% to pass with 2 attempts – grade of 69% or less will result in overall 'FAIL' grade being applied to course result
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Course Grading Scheme*

 JIBC1 (A to F) JIBC2 (MAS/NMA) JIBC3(CM/IN) JIBC4 (P/F)

(* <http://www.jibc.ca/policy/3304> Grading policy)

Other Course Guidelines, Procedures and Comments

Students must maintain a 100% attendance rate to achieve a 'PASS' grade in the PARA-1050 course. Failure to be present for all class components will result in a 'FAIL' grade.

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

Student Policies:

<http://www.jibc.ca/about-jibc/governance/policies>

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

Grading 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.
- ☒ **Globally minded:** Self-aware of own identity and culture, recognize the interconnectedness of world events and issues; interact respectfully and authentically across cultures; value multiple perspectives; utilize curiosity to learn with and from others.
- ☒ **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 ourselves; recognize and acknowledge the needs and emotions of others including those with diverse cultures, 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.