

Justice Institute of British Columbia
COURSE OUTLINE

Course Code: HZM100
Course Title: Hazardous Materials Emergency Response - Awareness
Prerequisite Courses: None
School: School of Public Safety & Security
Division/Academy/Centre: Fire & Safety Division
Previous Course Code & Title: FS124 Hazardous Materials Emergency Response – Awareness
(formerly known as FS125)
Course First Offered: Unknown

# of Credits:	0.5
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Course Description:

This course is the first level for hazmat training and focuses on the recognition of a hazardous materials emergency, personnel safety, hazard assessment, and the notification of higher skilled emergency responders or technical response teams. Students will become familiar with the Emergency Response Guidebook and learn about the mandate and authority of the Canadian Transport Emergency Centre (CANUTEC). Students will explore topics such as Placards, Cold Zones, Warm Zones & Hot Zones. This course is accredited by IFSAC and ProBoard in compliance to NFPA 472 (2013 edition) for Awareness-Level.

Course Goal(s):

Participants will gain the skills and knowledge to successfully recognize and size up a hazardous materials incident, collect information, initiate protective actions, call for additional resources consistent with local emergency response plans and secure the area.

Learning Outcomes:

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

1. Identify where hazardous materials can be encountered
2. List the order of protective importance of the effects of hazardous materials upon first responders, people, the environment and property
3. Describe ways in which hazardous materials can be harmful
4. Identify general routes of entry of hazardous materials into the human body through exposure and the basic organ(s) associated with each
5. Describe how potential damage can occur for each of the general routes of entry
6. Assess and respond to a hazardous materials incident

Course Topics/Content:

- First responder roles
- Hazardous materials identification
- Awareness-level actions at hazardous materials incidents
- Routes of entry
- Hazardous materials regulations
- Emergency Response Guidebook
- Hazardous materials documentation

Text and Resource Materials:

Required:

None

Recommended:

International Fire Service Training Association. (2011). *Hazardous Materials for First Responders* 4th Edition. Oklahoma. Fire Protection Publications.

Course Level:

	First Year		Second Year		Third Year		Fourth Year
	Graduate	X	Professional Continuing Education				

Equivalent Course(s) within the JIBC:

None

Class Delivery Methods:

Delivery Methods	Class Option A (Hours)	Class Option B (Hours)	Class Option C (Hours)	Class Option D (Hours)
Classroom/Lecture/Discussion	1.5	7		
Simulation/Lab				
Practicum/Fieldwork				
Online				
Correspondence	5.5			
Total Class Hours	7	7		

Comments on Delivery Methods:

This course is available self-paced via self-study or face to face.

Course Grading System:

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

Passing Grade:	70%
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Evaluation Activities and Weighting:

Final Exam	100%	Assignments	%	Project	%	Capstone Project	%
Midterm Exam	%	Portfolio	%	Participation	%	Other	%
Quizzes/Test	%	Simulations	%	Practicum	%	TOTAL	100%

Comments on Evaluation Activities and Weighting:

This course meets International Fire Service Accreditation Congress (IFSAC) and National Board on Fire Service Professional Qualifications (ProBoard) criteria for accreditation.

Students are evaluated through a written examination to NFPA 472 Standard for Professional Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents (2013 edition) for Awareness-Level,

Students must receive 70% on the evaluation component to successfully complete the course. Students who are unsuccessful in their first attempt in an examination will be allowed one re-write. If successful in the re-write, the candidate will achieve certification, but will only be awarded the passing grade for the course. If the student is unsuccessful in their second attempt, he/she will not be permitted to re-take the examination until he/she has taken the course again.

Other Course Guidelines, Procedures and Comments:

[Fire & Safety Division Accreditation Policies and Operational Guidelines](#) and then click on documents.

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.