

Justice Institute of British Columbia
COURSE OUTLINE

Course Code: FSS120
Course Title: Fire Service Operations
Prerequisite Courses: Fire Fighter Certificate, or Equivalent
School: School of Public Safety & Security
Division/Academy/Centre: Fire & Safety Division
Previous Course Code & Title: N/A
Course First Offered:

# of Credits:	3.0
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Course Description:

Learners will examine the operational requirements of a well-functioning, full-service fire department and explore the roles and responsibilities of a unit commander in fulfilling those requirements. They will apply the knowledge gained to improving their ability to direct a broad range of fire service operations at the unit level, including pre-incident planning, post-incident analysis, inspections, and cause-of-fire investigation, and to the development and delivery of departmental fire prevention programs.

Course Goal(s): Learners will support effective and efficient fire station operations that meet organizational and community needs through the development of high quality fire prevention programs and the use of comprehensive pre-incident planning systems that clearly identify potential hazards. They will also conduct accurate post-incident analysis and develop recommendations for needed changes.

Learning Outcomes:

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

- Describe the organizational structure of the fire service, and the fit of the fire service in the local government environment
- Examine how internal and external trends and factors impact Fire Department operations
- Assess if fire service operations are meeting community needs
- Conduct a comprehensive pre-incident assessment that clearly identifies potential hazards
- Conduct a post-incident analysis of a single alarm emergency incident
- Conduct inspections to determine compliance with fire codes and standards
- Determine if fire investigators are required at a fire scene; if the fire is suspicious, identify, protect and preserve evidence
- Develop and maintain comprehensive fire prevention programs that identify community fire hazards, and develop effective strategies for the abatement and mitigation of hazards

Course Topics/Content:

- Organizational Structure and Fit of the Fire Service in the Local Government Environment
- The Effect of Internal and External Trends on Fire Service Operations
- Meeting Community Fire Operation and Prevention Needs
- Pre-Incident Assessments
- Post-Incident Analysis
- Introduction to Inspections
- Introduction to Investigation: fire growth development, fire cause determination, fire investigations, securing the incident scene and preserving evidence
- Fire Prevention

Text and Resource Materials:
Required:

- Carter, H.R. & Rausch, E. (1999). *Management in the fire service*. Quincy, MA: National Fire Protection Association.
- Compton, D. & Granito, J.A. (Eds.). (2002). *Managing fire and rescue services* (Rev. ed.). Washington, DC: Published for the International City/County Management Association.
- International Fire Service Training Association. (1999). *Fire department company officer* (3rd ed). Stillwater, OK: Fire Protection Publications, Oklahoma State University.

Recommended:
Course Level:

X	First Year		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				
Simulation/Lab				
Practicum/Fieldwork				
Online	42			
Correspondence				
Total Class Hours	42			

Comments on Delivery Methods:

Course Grading System:

	Letter Grades	X	Percentage		Pass/Fail
	Complete/Incomplete		Attendance Only		
Passing Grade:		50%			

Evaluation Activities and Weighting:

Final Exam	%	Assignments	80%	Project	%	Capstone Project	%
Midterm Exam	%	Portfolio	%	Participation	20%	Other	%
Quizzes/Test	%	Simulations	%	Practicum	%	TOTAL	100%

Comments on Evaluation Activities and Weighting:

Other Course Guidelines, Procedures and Comments:

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.

Problem solving

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

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.

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.