

Justice Institute of British Columbia
COURSE OUTLINE

Course Code:	FSS381
Course Title:	Fire Related Human Behaviour
Prerequisite Courses:	Sociology or Psychology 100; FSS315 Community Fire Protection
School:	School of Public Safety & Security
Division/Academy/Centre:	Fire & Safety Division
Previous Course Code & Title:	N/A
Course First Offered:	2007

# of Credits:	3.0
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Course Description:

Learners examine the human aspects of fire-related emergencies, including research and analysis of the problem. They research issues related to residential properties, wild-land fires, assisted living/group home situations, commercial/industrial settings and multi-use high-rise buildings.

Course Goal(s): Learners will use online fire reporting systems to research aspects of fire-related human behaviour and perform demographic and biographic analysis; use modeling techniques in analyzing human behaviour in fire-related situations; examine the way in why psychological factors impact human behaviour during fires; differentiate between behaviour in various physical situations, including residential fires, wild-land fires, board and care home fires, commercial/industrial fires and multi-use occupancy (high-rise) fires.

Learning Outcomes:

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

- Perform a demographic and biographic analysis of fire-related factors, to include a comparative analysis of Canadian Provinces and other industrialized nations
- Research techniques that appeal to emotion rather than reason
- Perform a correlation analysis and examine the factors that affect the results of such an analysis
- Examine the inter-relational factors between fire-related human behaviour and the characteristics of building design and fire protection systems
- Evaluate computer models that use information about building occupants to predict overall building performance during fires
- Analyze the differences between groups (men/women, children/adults/seniors, etc.) in their reaction to fires and use this information in assessing the impact on building design
- Relate judgment heuristics, the rational decision-making model, bounded rationality, and post-traumatic stress to human behaviour during a wild-land fire, and the acute, delayed and cumulative stress for firefighters

Course Topics/Content:

- Fire-Related Aspects of Human Behaviour
- Research Methodologies
- Systems Models
- Residential Fires in Single-Family Dwellings
- Wild-Land/Rural Fires
- Board and Care Home Fires
- Commercial and Industrial Fires
- Multi-Use Occupancy and High-Rise Fires

Text and Resource Materials:
Required:
Recommended:
Course Level:

	First Year		Second Year	X	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
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	Complete/Incomplete	Attendance Only
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Passing Grade:	50%
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Evaluation Activities and Weighting:

Final Exam	%	Assignments	40%	Project	40%	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.