UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(BUSI 1813) Law and Ethics

Course Description

Litigation for workplace losses can reach into the corporate boardroom, and cut deeply into the corporate treasury. This course offers the basic principles of applying due diligence, as well as compliance with health, safety, and environmental standards.

Learning Objectives

Students who complete this course will learn:

- The characteristics of common law and civil law systems
- Different sources of general and OHS law
- How legal systems apply to OHS activities
- Essential OHS legal concepts
- What ethics are and how they differ from laws
- The terms 'professional' and 'profession'
- How to distinguish between a code of conduct and a code of ethics
- How ethical thinking applies to the OHS profession
- The four common categories of ethical challenges faced by OHS professionals
- The steps in Treviño and Nelson's decision-making model
- How to test different options when making an ethical decision

Grade Scheme: Letter Grade **Minimum Pass: 60%**

Deliverables:

- Discussion Postings
- Written/Research Assignments
- Quizzes
- Final Exams

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(COMM 1303) Introduction to Communications for OHS

Course Description

In this course, students will learn about essential elements and processes of professional communication for Occupational Health and Safety Practitioners. This includes the effective use of written, verbal, and electronic communication skills essential for today's workplace and in an academic setting.

Students will be expected to research, create, and format documents that are well-written and free of errors and well-written, and develop and deliver presentations for a safety briefing.

This course is designed to help students better understand why communication skills are important for your career and how these skills can impact your employer.

Learning Objectives

By the end of this course, students will be able to:

- Explain the importance of communication skills for OHS practitioners
- Discuss the importance of knowing your purpose and target audience before communicating
- Identify and assess the communication channels available to OHS practitioners
- Employ research skills to identify, evaluate, and document relevant source materials
- Apply a four-stage writing process to develop workplace documents such as emails, letters, and reports
- Prepare clear and concise communications for specific audiences
- Revise, edit, and evaluate written documents for appropriate professional workplace communication
- Develop and deliver workplace presentations tailored to specific audiences and purposes

Grade Scheme: Letter Grade **Minimum Pass: 60%**

Deliverables:

- Discussion Postings
- Written/Research Assignments
- Presentation
- Quizzes
- Final Exams

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(DISM 1103) Introduction to Disability Management

Course Description

This course introduces an interdisciplinary approach to the concepts and practices of disability management, and addresses how to design, implement, and market an effective integrated disability management program.

Learning Objectives

By the end of this course, students will be able to:

- Explain the concept of disability management and the related practices
- Define Integrated Disability Management (IDM) in terms of both private and government insurance plans
- Provide information on effective claims management of disability insurance claims with particularemphasis on WCB claims management
- Describe the characteristics of a graduated return-to-work program and how it supports an IDMP
- Demonstrate how to develop the infrastructure for an IDMP and establish the related standards
- Explain the role of an Employee Assistance Program (EAP) in Disability Management
- Describe how to achieve data management within an IDMP
- Demonstrate how to develop, market, manage, evaluate, and communicate the results of an IDMP
- Discuss the ethical issues and dilemmas encountered in disability management
- Explain the legal aspects relevant to the field of Disability Management

Grade Scheme: Letter Grade **Minimum Pass: 60%**

Deliverables:

- Discussion Forums
- Written/Research Assignments
- Quizzes
- Final Exam

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(DISM 1113) Disability Management Essential Program Elements

Course Description

This course builds on the materials addressed in DISM 1103 and covers topics such as OHS professionals- their roles and contributions to disability management, an overview of ergonomics, stakeholder education and training in disability management.

Learning Objectives

By the end of this course, students will be able to:

- Describe the role of Occupational Health (OH) professionals in disability management
- Explain the importance of stakeholder DMP education
- Develop a DMP educational session
- Explain how to achieve joint labour-management involvement
- Apply advanced program evaluation techniques
- Recognize the legal aspects associated with disability management
- Discuss the components of an ergonomic program and perform an ergonomic assessment
- Describe ways to encourage work attendance

Grade Scheme: Letter Grade **Minimum Pass: 60%**

Deliverables:

- Discussion Forums
- Written/Research Assignments
- Module Quizzes
- Final Exam

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(MATH 1103) Introduction to Math and Statistics

Course Description

In this course, students will explore basic mathematical concepts and improve upon their reasoning based on mathematical methods for solving problems. The aim of this course is to review algebraic operations and a variety of functions, such as linear, exponential, logarithmic, and polynomial functions, and the basics of descriptive statistics.

Students will also learn about operations, functions, equations, and connecting data with descriptive statistics. This course is designed to utilize a variety of resources and tactics to refresh students' secondary school math knowledge and build their competencies for the rest of the program.

Learning Objectives

By the end of this course, students will be able to:

- Apply and use a variety of functions, including power functions, roots, polynomials, exponential andlogarithmic functions
- Visualize and solve equations and inequalities involving these elementary functions
- Identify and appropriately use the different properties of basic mathematical operations and functions
- Perform calculations involving a variety of mathematical concepts
- Apply special functions to describe real-world problems
- Interpret phenomena and data using basic statistical methods

Grade Scheme: Letter Grade **Minimum Pass: 60%**

Deliverables:

- Math assignments
- Tests

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(MGMT 1212) Organizational Behaviour I for OHS

Course Description

This course introduces the basic concepts of management and organizational behaviour in the context of using those concepts for the strategic development of occupational health, safety, and environmental processes within an organization.

Learning Objectives

Students who complete this course will learn:

- To identify how organizational behaviour relates to the concept of safety culture
- How to define management systems
- To identify international best practice standards for management systems
- To identify the differences between process and behaviour management
- To describe the fundamental elements of safety management systems
- To identify the design and function of different organizational types
- To identify the core elements of the management process
- To define the concept of strategy in a business context, focussing on strategic alignment
- To identify the role monitoring and measuring plays in strategic alignment as well as tactic implementation
- To describe the role that recognition and rewards play in performance and strategic alignment
- How the concepts of strategy, tactics, and metrics interact together, specifically how leading performanceindicators apply to safety management
- To identify the concepts of leadership and followership and explore the leader-follower relationship
- To describe the basics of motivation, including needs theory and equity theory
- To identify the responsibilities organizations have to the outside world and how different organizationsapproach these responsibilities
- To identify how organizations can pragmatically gauge safety culture and enact positive change towardtheir safety culture

Grade Scheme: Letter Grade | **Minimum Pass: 60%**

Deliverables:

- Discussion Postings
- Written/Research Assignments
- Quizzes
- Final Exams

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(MGMT 1222) Organizational Behaviour II for OHS

Course Description

This course will build upon concepts from MGMT 1212 and provide students with an understanding of how teams, groups, and overall cultures impact human behaviour in organizations. The context for the course will be through a practitioner's lens with a specific focus, where feasible, on the field of Occupational Health and Safety. Topics to be covered: Leadership, Interpersonal Communication, Group and Team Dynamics, Use of Power and Influence, and Organizational Culture and Cultural Diversity.

Learning Objectives

By the end of this course, students will be able to:

- Discuss key concepts related to effective teams and team dynamics
- Describe effective communications and determine appropriate communication channels
- Identify barriers to effective communications
- Describe sources and types of conflict and recommend appropriate conflict resolution strategies
- Explain the bases of power in an organization and describe how they are used to influence decision-making
- Detail elements of a positive organizational culture
- Explain the role diversity plays in establishing and maintaining a positive culture

Grade Scheme: Letter Grade **Minimum Pass: 60%**

Deliverables:

- Discussion Forums
- Individual Reflection Assignments
- Quizzes
- Final Exam

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage	Explination
A+	4.3	90-100%	Outstanding
A	4.0	85-89%	Excellent
A-	3.7	80-84%	Very Good
B+	3.3	77-79%	Good
B	3.0	73-76%	Good
B-	2.7	70-72%	Good
C+	2.3	67-69%	Satisfactory
C	2.0	63-66%	Satisfactory
C-	1.7	60-62%	Satisfactory
F	0.0	0-59%	Failure

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(OHS 1002) Introduction to OHS

Course Description

This course deals with extending the responsibilities of safety program policy and administration in organizational cultures. In some jurisdictions, “joint safety committees” are a regulatory requirement, while in others, they are a vehicle to improve corporate culture and enhance mutual trust/respect across the hierarchy. Those in roles responsible for producing results for the safety program require a rich understanding of the human qualities of communication, trust, power-sharing, and engagement, regardless of whether an issue is compliance -or policy- related.

Learning Objectives

Students who complete this course will learn:

- The scope and nature of occupational health and safety
- The definitions of important terminology used in health and safety
- The history of occupational health and safety
- The multi-disciplinary nature of occupational health and safety
- The benefits of occupational health and safety management systems
- The legal framework for the regulation of health and safety
- The role of national governments and international bodies in formulating a framework for the regulation of health and safety
- The responsibilities of workplace parties under their health and safety legislative jurisdiction
- How to determine and implement best practices
- How to identify limitations and constraints of implementing best practices
- An overview of the theories behind incident causation
- How these theories are used to predict and prevent incidents through safety management systems
- How to recognize ideas that form the causation beliefs of one’s organization, colleagues, and themself

Grade Scheme: Letter Grade | **Minimum Pass: 60%**

Deliverables:

- Discussion Postings
- Written/Research Assignments
- Quizzes
- Final Exams

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(OHS 1213) Safety Training: an Introduction to the Fundamental Principles

Course Description

People – sometimes referred to as human capital – are the most under-utilized resource in the developed world. People are our most valuable resource, yet we often do not do a good job of equipping them with the intellectual and practical skills they need to perform optimally. In this course, students learn effective workplace training tools - and the ability to implement intelligent training strategies - that are key for effective leadership.

Learning Objectives

Students who complete this course will learn:

- The link between training and organizational effectiveness
- The importance of considering adult learning principles and assumptions when developing training interventions
- How to adapt training interventions to include considerations for individual learning styles
- How to implement a Training Needs Analysis (TNA) to determine the most appropriate training interventionfor safety training requirements
- How to develop appropriate learning objectives for safety training interventions
- How to apply the collected data from a Training Needs Analysis (TNA) to recommend an appropriate training intervention

Grade Scheme: Letter Grade **Minimum Pass: 60%**

Deliverables:

- Discussion Postings
- Written/Research Assignments
- Quizzes
- Final Exams

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(OHS 1313) Environmental Management

Course Description

One of the most important challenges facing this generation is learning the skills that enable appropriate stew-ardship of our environment. An effective health, safety and environmental management program integrates stewardship of people, property, environment and processes into one seamless entity.

Learning Objectives

Students who complete this course will learn:

- Defining moments in the history of environmental management that have resulted in current issues
- The major environmental crises of our time
- Why the critical issues are important
- Key causes of environmental crises
- The role of environmental legislation in placing controls on activities that may impact the environment
- That legislation is variable across jurisdictions, but the aspects are similar
- How the principles for environmental management apply to decision-making
- The main types of environmental management tools employed to characterize, assess, and manage environmental impacts as well as aspects of projects and organizations
- Key pollution problems
- The development of pollution prevention technologies
- How political and societal concerns impact pollution and pollution prevention
- How to evaluate laws, standards, and best practices related to pollution prevention
- How various human populations are impacted by pollution
- The ecological impact of pollution
- The primary methods of pollution control

Grade Scheme: Letter Grade **Minimum Pass: 60%**

Deliverables:

- Discussion Postings
- Written/Research Assignments
- Quizzes
- Final Exams

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(OHS 1433) Industrial / Occupational Hygiene

Course Description

Workplaces typically represent many unseen but highly hazardous risks, including air quality, sound pressures, temperature extremes, workstation design, and more. Knowing basic identification and management principles to deal with these common workplace hazards will enable a more effective health, safety, and environmental management program.

Learning Objectives

Students who complete this course will learn:

- Key concepts within the discipline of occupational hygiene
- The occupational hygienist's role and why it is important
- The professional ethics of occupational hygiene
- The types of health effects caused by occupational hazards
- The functions of major body systems and how they could respond to hazards
- The principles of assessing hazards and risks and hazard control
- How to test different options when making an ethical decision
- The concepts of Occupational Exposure Limits and Threshold Limit Values
- Hazard communication requirements of the Workplace Hazardous Materials Information System (WHMIS) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
- How to find information about chemicals through Safety Data Sheets (SDS)
- How to measure and evaluate, and control other categories of physical hazards in the workplace such asnoise, radiation and vibration, and temperature extremes
- Musculoskeletal disorders (MSDs) and the ergonomic factors that contribute to them
- The basic methods of assessing ergonomic hazards and how to control them
- The causes and effects of workplace stress
- How organizational culture and health and safety culture influence workplace health

Grade Scheme: Letter Grade **Minimum Pass: 60%**

Deliverables:

- **Discussion Postings**
- **Written/Research Assignments**
- **Quizzes**
- **Final Exams**

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(OHS 1503) Fundamentals of Auditing

Course Description

Upon successful completion of this course, students will have an in depth overview of the principles of auditing as well as an appreciation of audit instruments. The theory and practice of performing the essential steps of a health and safety audit will also be covered.

Learning Objectives

Students who complete this course will learn:

- The history of auditing
- The main components of the ISO 19011:2018 Standard
- The needs and advantages of auditing
- How to reduce the limitations of auditing
- How to distinguish between different kinds of audits
- The seven principles of auditing
- Describe the key stages of management system audits
- The steps for evaluation of an auditor
- Why an audit should be planned
- What an audit plan is and what it entails
- What an audit program is and what it entails
- The activities required for undertaking an audit
- Different audit approaches
- Issues and advantages of using audit checklists
- How to create an audit checklist and the steps involved in conducting an audit
- How to choose an appropriate sampling method and appropriate information sources
- The function of closing meetings
- The components and structure of an audit report
- How to prepare audit findings and conclusions or an audit report

Grade Scheme: Letter Grade **Minimum Pass: 60%**

Deliverables:

- Discussion Postings
- Written/Research Assignments
- Quizzes
- Final Exams

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(OHS 1513) Hazard Identification, Risk Assessment and Controls

Course Description

In this course, students learn several basic risk assessment tools and the skills necessary to mitigate risk pro-actively. Students will learn how to apply these tools by becoming familiar with the process, needed resources, and practical examples for various methods. The intended outcome for these tools and skills is to foster collab-oration with stakeholders to identify and prioritize workplace risks.

Learning Objectives

Students who complete this course will learn:

- How hazard identification, risk assessment, and controls fit within the planning section of the ISO 45001 standard and the benefit of their use
- The difference between hazards, risks, and controls, and the factors that influence each
- The components of a Hazard Identification, Risk Assessment, and Controls program
- How to develop and implement the components of a Hazard Identification, Risk Assessment, and Controlsprogram
- How to apply the ISO 31000 Standard's processes involving the systematic application of program elements into the activities of communicating and consulting, establishing context, assessing, treating, monitoring, reviewing, recording, and reporting risk
- When hazard identification and risk assessments should occur
- The basis of the Prevention through Design (PtD) concept
- The details of different types of hazard identification, risk assessment, and control tools, and when to usethem

Grade Scheme: Letter Grade | **Minimum Pass: 60%**

Deliverables:

- Discussion Postings
- Written/Research Assignments
- Quizzes
- Final Exams

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(OHS 1532) Incident Investigation and Response

Course Description

This course introduces the basic concepts of incident causation and investigation with the intention of using those concepts for the strategic development of occupational health, safety and environmental processes within an organizational context. Students will learn how to apply the content to a wide variety of industrial and commercial settings, as well as many different types of organizations.

Learning Objectives

Students who complete this course will learn:

- The intent, steps, values and benefits of an incident investigation
- To analyse the human, situational, and environmental factors contributing to incidents
- Different causation models and their importance
- How to identify the stakeholders in the investigation process
- How to examine various facets of planning and preparation, including written plans, emergency responseplanning, and emergency communication
- The impact of legal requirements on incident planning
- The steps of data collection, including research, investigation, interviews, and observation
- How to recognize bias and how to prevent it
- The basic principles of incident analysis to determine how to gather information to analyze the human, situational, and environmental factors contributing to incidents
- How classifications and models for incidents interrelate and how safety theories relate to safety practice, risk, and risk perception
- To evaluate systems-based and causal-based approaches to safety preventability theories
- How to initiate an investigation and safety program that incorporates organizational values
- Change management techniques that can be used before, during, and after an investigation
- How organizational values and ethics affect safety and safety programs within organizations

Grade Scheme: Letter Grade | **Minimum Pass: 60%**

Deliverables:

- Discussion Postings
- Written/Research Assignments
- Quizzes
- Final Exams

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(OHS 1613) Safety Management Systems

Course Description

A requirement of any management system is the ability to prevent losses to the organization's resources. In most jurisdictions, a primary focus of any safety program is compliance with regulatory standards. This is typically an ineffective approach to reducing workplace losses. The field of health and safety has matured and offers a variety of approaches to accomplish this prevention goal.

Learning Objectives

Students who complete this course will learn:

- The purpose and importance of setting policy for safety and describe the key features and appropriatecontent
- The context of the organization and the scope of the health and safety management system
- The concept of management commitment and leadership with safety
- The roles and responsibilities and the concepts around accountability and authority
- How to utilize worker consultation and participation for the foundations of the system development and implementation process
- The supports and resources necessary for the establishment, implementation, maintenance and continual improvement of a health and safety management system
- The underlying components of operations: competency, awareness, communication, and documentation
- How to make an action plan (risk profile) based upon hazard identification, risk assessment, and control
- Procurement considerations that include equipment, installations, and materials
- How to apply the health and safety management system to contractors
- The principles, purpose, and role of performance monitoring with leading and lagging indicators and activeand reactive monitoring
- The role of the management review and its influence on the health and safety management system
- The principles, purpose, and role of incident, nonconformity, and corrective and prevention actions

Grade Scheme: Letter Grade | **Minimum Pass: 60%**

Deliverables:

- Discussion Postings
- Written/Research Assignments
- Quizzes
- Final Exams

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(OHS 1703) Fire Management

Course Description

This course is meant to broaden one's knowledge and skills in fire safety. It will cover the standards and requirements for a Fire Prevention and Management Program and a range of fire prevention, protection, and suppression systems. It provides students with the foundation to carry out fire risk assessments and embed good practice based on an understanding of proactive life safety elements and reactive emergency management.

Learning Objectives

Students who complete this course will learn:

- The financial, moral, social, and legal consequences of poor fire safety management
- The role of national governments and international bodies in formulating a framework for the regulation offire safety
- The main sources of external fire safety information and the principles of their application
- The requirements for recording and reporting fire-related incidents
- The principles of the combustion process in relation to fire safety
- The principles and conditions for the ignition of solids, liquids, and gasses
- The classification of fires and their characteristics
- Appropriate control measures to minimize fire risks and explosions
- The means of fire protection and prevention of fire and smoke spread within buildings in relation to buildingconstruction and design
- The methods and systems available to give early warnings in case of fire – for both life safety and propertyprotection
- The selection procedures for basic fire extinguisher methods- for both life risk and process risk
- The steps to minimize the environmental impact of fire and fire-fighting operations
- The development and maintenance of a fire evacuation procedure
- The aims and objectives of fire safety and risk assessments
- The principles and practices of fire safety risk assessments including principles of prevention

Grade Scheme: Letter Grade | **Minimum Pass: 60%**

Deliverables:

- Discussion Postings
- Written/Research Assignments
- Quizzes
- Final Exams

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

Associate Degree in Occupational Health and Safety
(OHS 1993) Guided Practicum

Course Description

The Guided Practicum (GP) is a guided practical application of previously studied theory to practical situations. The student will choose from six options, including development of a comprehensive program in a particular context, a detailed program addressing a particular risk issue, development of a business case for their current OSH Program, performing a detailed case analysis for a case study, or creating a presentation or similar option. This exercise requires learners to demonstrate specific research and writing skills in synthesizing prior learning from courses, as well as other information they may choose to incorporate in their work. Students will be coached from the submission of the proposal through to the final submission, with feedback at key points throughout the project.

Learning Objectives

Students who complete this course will learn:

- Review what they have learned throughout their courses to determine an area of OHSE that they would like to gain further knowledge about
- Prepare a proposal for their project
- Outline the topics that will be discussed and analyzed in the project
- Summarize the purpose of the project
- Defend their choice of topic and why it will contribute to the world of OHSE
- Define important terminology regarding their topic
- Assemble research surrounding their topic
- Examine the research to gain a deeper understanding of their topic
- Select important information to add to their discussion
- Extend the learning that they have accumulated throughout previous courses to add to the discussion
- Identify how the key elements of their project will affect the structure of the safety management systemboth structurally and culturally
- Compare and Contrast current practice and theory surrounding their topic
- Critically Analyze the research to help them devise and sustain recommendations about their topic
- Interpret the knowledge gained through research and prior learning to gain a deeper understanding of thetopic
- Synthesize research and prior knowledge to apply OSHE theory and techniques in a practical setting
- Demonstrate an understanding of OHSE concepts and theory
- Develop a unique perspective on the topic based on research, prior learning, and personal experience surrounding the topic
- Prepare a product that combines research and prior learning to demonstrate a deeper understanding of the topic
- Revise their project based on feedback from an evaluator
- Rearrange information based on further research or feedback
- Relate how to apply theory and research in a practical OHSE setting
- Construct an argument regarding their topic
- Defend their position using research, prior learning, and personal experience
- Justify their argument using proper sourcing
- Evaluate current OHSE practice and make recommendations surrounding potential changes
- Generate a formal reference document using APA format

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Grade Scheme: Letter Grade **Minimum Pass: 60%**

Deliverables:

- **Written/Research Assignments**

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(OHS 2223) Training II

Course Description

In this course, students will explore how companies can incorporate the principles of learning organizations and workplace learning to support ongoing learning within the organization. Students will examine how to use various instructional design models when developing safety training, as well as how to apply the principles of S.A.F.E. Training™ in the workplace.

Throughout the course, students will learn about the skills of an effective trainer and how to deliver effective face-to-face training. Students will have an opportunity to develop reflective practice skills and to look at safety training from the participants' perspective.

Learning Objectives

By the end of this course, students will be able to:

- Adapt the key components of a learning organization to workplace situations
- Describe the components required for effective workplace learning
- Implement appropriate instructional design tools
- Recognize and implement the S.A.F.E. Training ™ principles
- Adapt your delivery style to a range of training situations
- Identify your own skills and qualities as a trainer or facilitator
- Describe the stages of the reflective practice process
- Develop appropriate responses to different training behaviours of participants

Grade Scheme: Letter Grade | **Minimum Pass: 60%**

Deliverables:

- Discussion Forums
- Written/Research Assignments

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(OHS 2323) Environmental Management II

Course Description

Building on the foundations of OHS 1313: Environmental Management, this course explores current issues and trends in Environmental Management, including biodiversity, climate change, water stewardship, energy management, and land-use planning.

This course is designed for environmental managers who are expected to understand current issues and contribute to the strategic planning, management, and reporting on related matters of performance. The course emphasizes the importance of ecosystem concepts, societal demands, communication, planning, monitoring, and reporting.

Learning Objectives

By the end of this course, students will be able to:

- Describe the fundamentals of ecosystem structure, including ecosystem types and functions and theimportance of biodiversity conservation
- Characterize the fundamentals of sustainability and associated frameworks and management processes, and articulate the connections between stakeholder issues and opportunities, corporate priorities,performance objectives, and reporting frameworks
- Describe why stakeholder engagement is critical to environmental management and explain howstakeholder engagement typically function in the context of industrial or infrastructure developments
- Differentiate between the impacts of climate in the context of climate change mitigation and adaptation
- Describe how climate change impacts the way businesses will operate in the future
- Summarize the complexity of energy systems and their management
- Describe key aspects of water stewardship and the practical actions for water management at a facility orcommunity level

Grade Scheme: Letter Grade | **Minimum Pass: 60%**

Deliverables:

- Written/Research Assignments
- Discussion Forums
- Quizzes
- Final Exam

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(OHS 2443) Industrial / Occupational Hygiene II

Course Description

Building on the concepts from OHS 1433: Industrial/ Occupational Hygiene, this course explores occupational hygiene instruments and procedures for collecting data on chemical and biological hazards commonly encountered in the workplace. Students will learn how to use a variety of instruments for the evaluation of different chemical and biological hazards and to recommend and assess the effectiveness of control measures in the workplace.

Learning Objectives

By the end of this course, students will be able to:

- Explain the role of occupational hygiene in the workplace
- Interpret and apply relevant exposure standards
- Design and implement a measurement and monitoring strategy
- Use a range of monitoring equipment to collect data
- Analyze monitoring data
- Interpret and compare data against recognized standards
- Develop recommendations for hazard control

Grade Scheme: Letter Grade **Minimum Pass: 60%**

Deliverables:

- **Written/Research Assignments**
- **Discussion Forums**

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(OHS 2523) Hazard Identification, Risk Assessment, and Control II

Course Description

Holistic risk management is (and should be) used within organizations to gain a competitive advantage. Structured and effective processes provide an opportunity to identify and manage risks, thereby limiting negative consequences. Safety is one risk amongst many that organizations have, and therefore, it is important to ensure that processes for safety risk management are integrated and aligned with the wider business activities.

This course extends the knowledge and skills developed during Hazard Identification, Risk Assessment, and Control I by focusing on the systematic approaches required to effectively manage an organization's risk. The course will provide students with an opportunity to develop appropriate risk management strategies and identify the most appropriate tools and methodologies that an organization can use.

Learning Objectives

By the end of this course, students will be able to:

- Establish the risk environment by determining acceptable risk and risk appetite of the organization based on stakeholder engagement, hazards present, external environment standards, and organizational goals and objectives
- Recognize the complexities of risk decision-making
- Identify internal and external influences of risk decisions
- Develop appropriate risk identification tools
- Recognize the value of safety and risk management
- Develop Positive Performance Indicators for risk management activities
- Develop a risk management strategy/procedure document

Grade Scheme: Letter Grade **Minimum Pass: 60%**

Deliverables:

- Discussion Forums
- Research Assignments

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(OHS 2623) Safety Management Systems & Measurement Systems II

Course Description

This course provides safety and health professionals with the next-level knowledge required to successfully develop, implement, measure, and continuously improve an OHS management system (OHSMS). Each module outlines how to engage key stakeholders in each of these stages to ensure success. OHS 1613 focused on the building blocks of the program; OHS 2623 focuses on the components and evaluation of continuous improvement.

Learning Objectives

By the end of this course, students will be able to:

- Apply the Plan-Do-Check-Act (PDCA) model at a higher level whendesigning, implementing, monitoring, or continuously improving the OHSMS
- Identify key stakeholders to engage them in a strategic manner throughouteach stage
- Create and implement auditing practices for the structural aspects of OHSMSs
- Develop and utilize safety climate and culture evaluation strategies.
- Design and adapt continuous improvement tools and strategies to OHSMSs
- Outline and modify various change management systems and problem-solving approaches to ensure continuous improvement of the OHSMSs

Grade Scheme: Letter Grade **Minimum Pass: 60%**

Deliverables:

- Written/Research
- Assignments
- Discussion Forums
- Quizzes
- Final Exam

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%

UNIVERSITY OF FREDERICTON

AOHS Course breakdown

Associate Degree in Occupational Health and Safety
(SCI 1003) Introduction to Chemistry and Biology

Course Description

In this course, students will learn about basic human biology at an introductory level, including topics such as human anatomy, the basic principles of microbiology and toxicology, epidemiology, emerging pathogens, and biosafety levels 1 through 4.

Students will also learn about introductory chemistry, including matter and energy, chemical bonding, organic chemistry, and biochemistry.

Learning Objectives

By the end of this course, students will be able to:

- Discuss key introductory concepts and theories of human biology
- Define chemistry and describe how it relates to other fields of science
- Describe different organic compounds and functional groups
- Explain the role of biomolecules and their functions
- Explain the concepts of toxicology in various forms related to the body
- Practice biosafety in your workplace according to the required levels
- Identify biochemical and chemical hazards and their effects on the workplace

Grade Scheme: Letter Grade **Minimum Pass: 60%**

Deliverables:

- Weekly assignments
- Discussion Forums
- Midterm Assessment
- Final Exam

*Please note that this document is for marketing purposes and that the details ofthe course including grading and objectives may change or vary.

Grade	Grade Point Average (GPA)	Percentage
A+	4.3	90-100%
A	4.0	85-89%
A-	3.7	80-84%
B+	3.3	77-79%
B	3.0	73-76%
B-	2.7	70-72%
C+	2.3	65-69%
C	2.0	60-64%
C-	1.7	55-59%
D	1.3	50-54%
F	0.0	0-49%