



## MGMT-410 – Managing Sustainable Operations

### Business

**Effective Term & Year:** Fall 2024

**Course Outline Review Date:** 2029-04-01

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**Program Area:** Business Management

#### **Description:**

This course equips students with the skills to strategically implement sustainable business practices across the value chain of a business. Focusing on the integration of sustainability in operations management, students will learn about sustainability metrics and theories, and how these are applied in real-world business scenarios. Techniques covered by the course include analyzing case studies on environmental accountability, green product design, and closed-loop supply chains. Students will be introduced to challenges operations managers face in adopting sustainable practices and the leadership skills necessary to drive change initiatives in sustainable operations. This course fosters a critical understanding of how businesses can enhance their operations while being environmentally and socially responsible.

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#### **Program Information:**

This course is a required course in the Bachelor in Business Administration – Sustainable Business Practices and the Sustainable Business Practices Post Degree Diploma

**Delivery Methods:** Online, On-campus (Face-to-Face), Hybrid – On-campus (Face-to-Face) and Online

**Credit Type:** College of the Rockies Credits

**Credits:** 3

**Course type/s:** Business Management

#### **Instructional Activity and Hours:**

Activity	Hours
Classroom, Directed Studies or Online Instruction	45
Seminar/Tutorials	
Laboratory/Studio	
Practicum/Field Experience	
Co-op/Work Experience	
Other	
<b>Total</b>	<b>45</b>

### Course Requisites:

- Earned a minimum grade of C (60%) in each of the following:
  - [MGMT310](#) – Sustainability Theory and Metrics (3)

### Flexible Assessment: Yes

Students are able to request formal recognition of their prior learning or experience outside the classroom. Challenge examination, portfolio-assisted assessment, or work-based assessment are used to identify, assess, and recognize prior skills, competencies, and knowledge to achieve course credit. Tuition fees apply, refer to Policy 2.5.5 [Prior Learning Assessment and Recognition \(PLAR\)](#) or contact an education advisor for more information.

### Course Transfer Credit:

For information about receiving transfer credit for courses taken at either British Columbia or Alberta institutions, please see <https://www.bctransferguide.ca/> or <https://transferalberta.alberta.ca> . For more transfer credit information, please visit <https://www.cotr.bc.ca/Transfer>

All requests for course transfer credit from institutions in British Columbia or elsewhere should go to the College of the Rockies Enrollment Service office.

### Textbook Resources:

Textbook selection varies by instructor and may change from year to year. At the Course Outline Effective Date the following textbooks were in use:

#### Required texts:

Doppelt, Bob (2010). *Leading Change Toward Sustainability*, 2nd edition. Greenleaf Publishing

Limited

*Reading package – available on the Moodle site*

Recommended Reading:

Blackburn, William R. (2007), *The Sustainability Handbook: The Complete Management Guide to Achieving Social, Economic and Environmental Responsibility*. Environmental Law Institute of Washington, D.C.

*Please see the instructor's syllabus or check COTR's online text calculator <https://textbook.cotr.bc.ca/> for a complete list of the currently required textbooks.*

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**Learning Outcomes:**

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

- evaluate the economic, social, and environmental effects of business operations and to identify areas to improve and implement strategies enhancing sustainability performance.
- analyze key principles in operations management to design strategies that enhance organizational efficiency and effectiveness.
- contrast successful versus failed sustainability initiatives, considering marketing, operations, leadership and strategy;
- use research and other data to recommend improvements to products and/or processes, metrics and performance;
- synthesize business processes for sustainability, addressing risk, quality control reporting, and innovation;
- select appropriate operations management models for sustainability initiatives
- develop strategic action plans to engage stakeholders in creating sustainable initiatives and critically evaluate their impact.

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**Course Topics:**

- Leading the change initiative for sustainable operations.
- Review of systematic frameworks for operations management
- Coverage of key operations management principles and issues
- Selection of operations management models
- Overview of the value chain model: origins, evolution, globalization
- Role of sustainability in integrated supply chain management
- Strategic Planning in Operations Management

- Sustainability and Operations Management: Principles and Best Practices in Production Process Management, Human Resources and Marketing.
- Implementing Leadership in Sustainable Business Operations

See instructor's syllabus for the detailed outline of weekly readings, activities and assignments.

## Evaluation and Assessments

### Assessment Type: On-Campus (face-to-face) and Online, or Hybrid

Assessment Type	% of Total Grade
Case Studies: Analyze selected case studies, detailing how sustainability has been integrated into operations management in terms of the value chain, strategy, production, marketing, and human resources. Discuss the role of leadership in the outcome of the case.	50%
Essay: Research and report on a current issue in operations management with a focus on sustainability, incorporating history and evolution of the issue; current environmental, financial and societal influences; leadership and potential trends and impacts	25%
Essay: Analyze the impact of the various factors on business operations across a specific industry and their broader environmental effects. Examine how these elements influence operational strategies, sustainability practices, and overall industry trends, alongside their implication for the environment.	25%
Total	100%

## Grade Scheme

A+	A	A-	B+	B	B-	C+	C	C-	D	F
>=90	89-85	84-80	79-76	75-72	71-68	67-64	63-60	59-55	54-50	<50

**Pass requirements:** None

### Exam Attendance:

Students must attend all scheduled exams at the appointed time and place. Instructors may approve an alternate exam to accommodate an illness or personal crisis. Department heads will consider other written requests. Any student who misses a scheduled exam without prior approval will receive a "0" on the exam.

### Academic Policies:

College of the Rockies policies related to courses can be found at <https://cotr.bc.ca/about-us/college-policies/> and include the following:

- Policy 2.1.4 Course Audit
  - Policy 2.4.1 Credential Framework
  - Policy 2.4.3 Students with Documented Disabilities
  - Policy 2.4.4 Student Rights, Responsibilities and Conduct
  - Policy 2.4.8 Academic Performance
  - Policy 2.4.9 Student Feedback and Concerns
  - Policy 2.4.11 Storage of Academic Works
  - Policy 2.5.3 Student Appeal
  - Policy 2.5.5 Prior Learning Assessment and Recognition (PLAR)
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### **Course Changes:**

The College of the Rockies updates course outlines regularly to meet changing educational, employment and marketing needs. The instructor will notify students in writing of any updates to this outline during the semester. The instructor reserves the right to revise, add or delete material while meeting the learning outcomes of this course outline.