

COURSE CODE: BUAD 339

COURSE TITLE: Special Topics: Business Strategy & Climate Change

Calendar Description

All Canadian business sectors will be transformed by climate change, creating new challenges and opportunities. This course identifies the tools that business can use today to slow climate change and lessen its impact on society. During the course students will prepare an industry sector strategy to solve a specific climate related business issue

Prerequisite(s): Third year standing

Co-requisite(s): None

Prerequisite For: None

Substitutable Courses: None

Graduation Requirement: BBA Elective

Transfer Credit: N/A

Special Notes: Students can receive credit for BUAD 339 Special Topics Management twice as long as the special topic is different in the second iteration from the first. Requires approval of the Chair/Instructor before taking this course.

Credits: 3

Hours per Week: 3

Originally Developed: January 2021

EDCO Approval:

CHAIR'S APPROVAL: 

Course Description

Climate change is affecting every Canadian business sector. With climate change, many businesses will find ways to adapt, new businesses will be created, and others will simply disappear. The focus of this course is on developing business solutions to climate related impacts. However, to understand the opportunities created by climate change, we must first understand the nature of the problems to be solved.

During the course students will examine the various impacts of climate change on business and then evaluate the tools that are available to mitigate and adapt to these impacts. The course is organized into four parts:

1. Introduction to Climate Change
2. System Transformations to Limit Global Warming
 - a. Requirements for effective systems transformations
 - b. Mitigation strategies to achieve GHG emission reductions
3. Linkages Between Mitigation, Adaptation, and Sustainable Development
 - a. Synergies between sustainable development and energy efficiency and renewable energy
4. Strengthening the Response
 - a. Removing the barriers to implementation
 - b. Climate governance to enable mitigation and adaptation

This is a hands-on project-based course. Students will choose a specific industry sector from a provided list of industries. They will develop a strategy for that sector to mitigate/adapt to climate change. The strategy will be based on the concepts covered in the course.

Learning Outcomes

Outcome	Upon completion of this course students will be able to:
1	Explain the major causes of climate change and how Canadian business is being affected.
2	Summarize the system transformation required to limit global warming.
3	Explain the economics of climate change and the circular economy.
4	Summarize the system transformation required to limit global warming.
5	Apply the technologies that are available to achieve net-zero CO2 energy targets.
6	Evaluate the potential synergies for each industry sector, between sustainable development, energy efficiency, and renewable energy.
7	Analyze the management strategies for both the supply side and demand side industries to achieve GHG emissions reductions

Course Objectives

Objectives	This course will cover the following content: See weekly course schedule below
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Professors

Name	Phone Number	Office	Email
Lee Cartier (Course Captain)	250-762-5445	B209	lcartier@okanagan.bc.ca

Evaluation Procedure

Industry Sector Presentation	20%
Class Participation and Quizzes	20 %
Term Project	30 %
Final Exam	30 %
Total	100 %

Generative AI tools are permitted

Students are permitted to use artificial intelligence tools, including generative AI tools such as ChatGPT or Bing Chat, to gather information, review concepts, or help produce assignments. However, students are ultimately accountable for the work they submit, and any content generated or supported by an artificial intelligence tool must be cited appropriately (see [How to cite ChatGPT \(apa.org\)](#)). The use of AI tools is not permitted during midterm exams and final exams in this course.

For further information regarding the use of AI tools see 'Using Generative AI In This Course' posted on Moodle.

Required Materials

Assigned readings (sources include IPCC, DNV, IEA reports and other reports)

Additional readings and videos will be posted on Moodle for completion throughout the term.

Notes

Penalty for late assignments will be 10% per calendar day

Course Schedule

Wednesday, September 4th, First day of class

Friday, September 13th, Last day to register for Fall 2024

Monday, September 30th, Statutory Holiday (no classes)

Monday, October 14th, Statutory Holiday (no classes)

Friday, October 25th, Last day to withdraw from class without academic penalty

Monday, November 11th, Statutory Holiday (no classes)

Friday, December 6th, Last day of class

Tuesday, December 10th – Friday, December 20th, Final Exam Period

Date		Topics & Deliverables	Moodle Library Folder	Activities
2024 Week of:				
Sep	5	Introduction to climate change Part 1		
Sep	9-13	Introduction to climate Change Part 2	Introduction to Climate Change	The Global Energy Transition - Introduction IPCC 1a (Pgs 3 – 21) Ellen Macarthur (Pgs 18 – 23) Quiz 1
Sep	16-20	System Transformations to Limit Global Warming – Part 1 Requirements for effective systems transformations	System Transformations to Limit Global Warming	See last week (week 2) lesson notes for course reading list Quiz 2
Sep	23-27	System Transformations to Limit Global Warming – Part 2 Mitigation strategies to achieve GHG emission reductions	System Transformations to Limit Global Warming	See last week (week 3) lesson notes for course reading list Quiz 3 Presentation team member selection and schedule
Sep Oct	30- 4	Management strategies in supply sectors - Power and renewables	Power and Renewable Energy	See last week (week 4) lesson notes for course reading list
Oct	7-11	Management strategies in supply sectors – Hydrogen <i>Student presentations (power and renewables)</i>	Hydrogen	See last week (week 5) lesson notes for course reading list
Oct	14-18	Management strategies in supply sectors - Carbon capture, utilization, and storage <i>Student presentations (hydrogen)</i>	Carbon Capture and Storage	See last week (week 6) lesson notes for course reading list
Oct	21-25	Management strategies in supply sectors – Oil and gas <i>Student presentations (carbon capture, utilization and storage)</i>	Oil and Gas	See last week (week 7) lesson notes for course reading list
Oct Nov	28- 1	Management strategies in supply sectors – Energy efficiency and storage <i>Student presentations (oil and gas)</i>	Energy Efficiency and Storage	See last week (week 8) lesson notes for course reading list Term project proposal due
Nov	4-8	Management strategies in demand sectors – Transportation and Buildings <i>Student presentations (energy efficiency and storage)</i>	Transportation and Buildings	See last week (week 9) lesson notes for course reading list
Nov	11-15	Management strategies in demand sectors – Manufacturing <i>Student presentations (transportation, buildings))</i>	Manufacturing	See last week (week 10) lesson notes for course reading list

Nov	18-22	Management strategies in demand sectors - Agriculture and forestry <i>Student presentations (manufacturing)</i>	Agriculture and Forestry	See last week (week 11) lesson notes for course reading list
Nov	25-29	Linkages between mitigation, adaptation, and sustainable development - part 1 <i>Student presentations (agriculture & forestry)</i>		IPCC and other reports
Dec	2-6	Linkages between mitigation, adaptation, and sustainable development - part 2		IPCC and other reports Term project report due
Dec	10-20	Final Exam Period		

Skills Across the Business Curriculum

The Okanagan School of Business promotes core skills across the curriculum. These skills include reading, written and oral communications, computers, small business, and academic standards of ethics, honesty and integrity.

Student Conduct and Academic Honesty

What is the Disruption of Instructional Activities?

At Okanagan College (OC), disruption of instructional activities includes student “conduct which interferes with examinations, lectures, seminars, tutorials, group meetings, other related activities, and with students using the study facilities of OC”, as well as conduct that leads to property damage, assault, discrimination, harassment and fraud. Penalties for disruption of instructional activities include a range of sanctions from a warning and/or a failing grade on an assignment, examination or course to suspension from OC.

What is Cheating?

“Cheating includes but is not limited to dishonest or attempted dishonest conduct during tests or examinations in which the use is made of books, notes, diagrams or other aids excluding those authorized by the examiner. It includes communicating with others for the purpose of obtaining information, copying from the work of others and purposely exposing or conveying information to other students who are taking the test or examination.”

Students must submit independently written work. Students may not write joint or collaborative assignments with other students unless the instructor approves it in advance as a group/team project. Students who share their work with other students are equally involved in cheating.

What is Plagiarism?

Plagiarism is defined as “the presentation of another person’s work or ideas without proper or complete acknowledgement.” It is the serious academic offence of reproducing someone else’s work, including words, ideas and media, without permission for course credit towards a certificate, diploma, degree and/or professional designation. The defining characteristic is that the work is not yours.

“Intentional plagiarism is the deliberate presentation of another’s work or ideas as one’s own.” Intentional plagiarism can be a copy of material from a journal article, a book chapter, data from the Internet, another student, work submitted for credit in another course or from other sources.

“Unintentional plagiarism is the inadvertent presentation of another’s work or ideas without proper acknowledgement because of poor or inadequate practices. Unintentional plagiarism is a failure of scholarship; intentional plagiarism is an act of deceit.”

What are the Students’ Responsibilities to Avoid Plagiarism?

Students have a responsibility to read the OC Plagiarism Policy and Procedures outlined in the OC calendar, which is available in online format www.okanagan.bc.ca. Students must acknowledge the sources of information used on all their assignments. This usually involves putting the authors’ name and the year of publication in parentheses after the sentence in which you used the material, then at the end of your paper, writing out the complete references in a Reference section.

“Students are responsible for learning and applying the proper scholarly practices for acknowledging the work and ideas of others. Students who are unsure of what constitutes plagiarism should refer to the UBC publication “*Plagiarism Avoided; Taking Responsibility for your Work*”. This guide is available in OC bookstores and libraries.

Students are expected to understand research and writing techniques and documentation styles. The Okanagan School of Business requires the use of the APA or MLA style, but suggests that students cite references using the APA guidelines (see Publication Manual of the American Psychological Association, 6th edition (2009)). A copy of the APA manual is available in the reference section and also available for circulation from OC libraries. The library website has access to these two major citing styles.

What are the Penalties for Plagiarism and Cheating?

The Okanagan School of Business does not tolerate plagiarism or cheating. All professors actively check for plagiarism and cheating and the Okanagan School of Business subscribes to an electronic plagiarism detection service. All incidents of plagiarism or cheating are reported and result in a formal letter of reprimand outlining the nature of the infraction, the evidence and the penalty. The Dean of the Okanagan School of Business and the Registrar record and monitor all instances of plagiarism and cheating. Penalties for plagiarism and cheating reflect the seriousness and circumstances of the offence and the range of penalties includes suspension from OC.