Course Instructor: Dr. Faisal Moola, PhD

Email: fmoola@uoguelph.ca (put GEOG3210 in subject)

Lectures: Tuesday and Thursday from 10:00 – 11:20 pm

Office Hours: Tuesday and Thursday from 12:00 pm – 1:00 pm

Dr. Faisal Moola, PhD is an Associate Professor in the Department of Geography, Environment and Geomatics at the University of Guelph. Prior to joining the University of Guelph, he worked for the David Suzuki Foundation for over 15 years, where he was the organization’s Director of Terrestrial Conservation and Science and later its Director General for Ontario and Northern Canada. Faisal has a PhD in biology from Dalhousie University and has published widely in scientific journals on topics of ecology, conservation biology, and environmental policy. Faisal is a regular contributor to the Toronto Star, Vancouver Sun, Globe and Mail, CBC and other media outlets as an opinion writer and political analyst on conservation, Indigenous Rights and other environmental and social issues. He is the director of the People Plants and Policy Lab at the University of Guelph which does research on the ecology and ethnoecology of cultural keystone species and other plant biodiversity in Canada and overseas.

https://www.uoguelph.ca/geography/Faculty/moola-faisal

Teaching Assistant:

TBD

Course Description and Objectives

This course will examine the concepts and methods used by the state to manage the natural environment. Through an investigation into contemporary environmental issues in Canada (with occasional reference to other areas of the world) we will develop an understanding of the particular rationales for and evolution of state management. Important trends and issues will be treated with particular attention given on the intersection of Indigenous Peoples and their rights with colonial law and policy.

At the end of the course you should be able to:
Identify and explain the rationales for state-led resource management.

Be familiar with the state of biodiversity in Canada and the major drivers of species endangerment.

Identify and describe major policies in Canada related to the protection and restoration of biodiversity, including endangered species legislation.

Identify and explain resource management strategies including command and control, adaptive management, co-management, public participation

Be familiar with the significance of Indigenous Rights in resource development conflicts, including Treaty and Aboriginal Rights as well as Canada’s obligations as a signatory to the UN Declaration on the Rights of Indigenous Peoples.

Prerequisite(s):

7.50 credits including GEOG*2210

Skill Acquisition

In addition to learning the content, this course is designed to improve your abilities in:

- Communicating the nuance and complexity inherent in environmental issues clearly and effectively
- Effective peer-to-peer commentary and cross-cultural communication skills
- Effective and concise writing

Course Format

The course is scheduled for T,TH from 10:00 – 11:20 pm. The readings and online materials are required and are crucial in meeting some of the learning objectives in this class. The online materials provide “real-world” policy examples as well as the perspectives of Indigenous knowledge holders. See the weekly schedule for more details.

Required Readings


Additional readings will be assigned as required and available on Courselink.

Evaluation

30% Mid-term take home exam.
30% Briefing Note Assignment.
40% Final Exam.
Mid-Term Exam; Take-Home (30%).

The objective of the mid-term is to ensure that you review and critically engage with the material introduced in lectures, films, and readings. The mid-term exam will be a mix of short answer and essay questions. It will cover material from the lectures and readings of weeks 2 - 6. The mid-term will be assigned on October 14th and is due on October 18th in the CourseLink Dropbox.

Short Written Assignment (30%).

A key component of this class is to connect what we’re doing in lecture and in the readings with what is happening right now in the world beyond our classroom. You will be responsible for writing a briefing-note submission on a current environmental issue to a real policy-maker and to offer recommendations on how to resolve the issue.

Late assignments will be penalized 2 % off per day late. The late penalty may be waived if you are sick, have a legitimate family emergency or are registered with the U of G Student Accessibility Services Office and are unable to hand in your assignment on time. Please contact the instructor before the due date if you require accommodation. Documentation may be asked for such as a doctor’s note or a letter from the Student Accessibility Services Office.

Final Exam (40%)

The final exam will cover material from the whole term, although it will be more heavily focused on material from after the mid-term. The format will be multiple choice, short answer and essay questions.
<table>
<thead>
<tr>
<th>Week</th>
<th>Lecture</th>
<th>Lecture Topic</th>
<th>Readings</th>
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<tr>
<td>1</td>
<td>No Lecture</td>
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<td>2</td>
<td>1</td>
<td>Course Introduction</td>
<td>Course Syllabus</td>
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<td>2</td>
<td>Resource Management in the Age of the Anthropocene</td>
<td>Steffen et al. 2007. The Anthropocene: are humans now overwhelming the great forces of nature?</td>
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<td>3</td>
<td>Resource Management in the Age of the Anthropocene</td>
<td>Online Materials Posted on CourseLink</td>
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<tr>
<td>3</td>
<td>1</td>
<td>Resource Management in the Age of the Anthropocene Continued</td>
<td>Steffen et al. 2007. The Anthropocene: are humans now overwhelming the great forces of nature?</td>
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<td></td>
<td>2</td>
<td>Introduction to Natural Capital and Ecosystem Services: informing policy</td>
<td>Guerry et al. 2015. Natural Capital and Ecosystem Services Informing Decisions: from promise to practice</td>
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<td>3</td>
<td>Natural Capital</td>
<td>Online Materials Posted on CourseLink</td>
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<td>4</td>
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<td>Case study on British Columbia</td>
<td>Moola et al. 2007. Waiting for the Ark: the biodiversity crisis in British Columbia and the need for an endangered species law</td>
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<td>Species at Risk Policy</td>
<td>Moers et al. 2007</td>
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<td>BC Species at Risk Policy</td>
<td>Online Materials Posted on CourseLink</td>
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<td>5</td>
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<td>Special Lecture: Natural Climate Solutions</td>
<td>Alexander, Chapter 12 of Textbook</td>
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<td>2</td>
<td>Species at Risk Policy</td>
<td>Film: Billion Dollar Caribou No Readings</td>
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<td>3</td>
<td>Federal Species at Risk Policy</td>
<td>Online Materials Posted on CourseLink</td>
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<td>6</td>
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<td>Case Study on Grizzly Bears</td>
<td>David Suzuki Foundation, Securing a National Treasure: protecting Canada’s grizzly bear</td>
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<td>TBD</td>
<td>Film: SPOIL</td>
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<td>Grizzly Bear Policy</td>
<td>Online Materials Posted on CourseLink</td>
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<td>7</td>
<td>NO LECTURE</td>
<td>FALL STUDY BREAK DAY</td>
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<td>2</td>
<td>Indigenous and Local Knowledge: case study on cultural keystone species</td>
<td>Mulrennan, Chapter 3 of Textbook</td>
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<td>Indigenous Governance and Policy</td>
<td>Online Materials Posted on CourseLink</td>
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<td>Protected Areas Policy</td>
<td>Deardon and Bennett, Chapter 13 of Textbook</td>
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<td>Indigenous Conservation</td>
<td>David Suzuki Foundation. Tribal Parks and Indigenous Protected and Conserved Areas</td>
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<td>3</td>
<td>Protected Areas Policy</td>
<td>Online Materials Posted on CourseLink</td>
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<td>9</td>
<td>1</td>
<td>Environmental Assessment Policy</td>
<td>Sinclair and Doelle. Chapter 5 of Textbook</td>
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Note: extra class days will be scheduled at the end of semester to replace Thanksgiving Monday and the Fall Study Break Day

LEGEND:

Blue: In Class Lectures
Beige: In Class discussion on Assigned Online Materials, including the perspectives of Indigenous knowledge holders
Orange: Assignments and Exams
University of Guelph Policy Statements:

E-mail Communication

As per university regulations, all students are required to check their <uoguelph.ca> e-mail account regularly. e-mail is the official route of communication between the university and its students.

When You Cannot Meet a Course Requirement

When you find yourself unable to meet an in-course requirement because of illness or compassionate reasons, please advise the course instructor [or the teaching assistant in the case of the proposal or essay] in writing, with your name, id#, and e-mail contact. Where possible, this should be done in advance of the missed work or event, but otherwise, just as soon as possible after the due date, and certainly no longer than one week later. Note: if appropriate documentation of your inability to meet that in-course requirement is necessary, the course instructor, or delegate, will request it of you. Such documentation will rarely be required for course components representing less than 10% of the course grade. Such documentation will be required, however, for Academic Consideration for missed end-of-term work and/or missed final examinations. See the undergraduate calendar for information on regulations and procedures for Academic Consideration.

Drop Date

The last date to drop one-semester Fall 2020 courses, without academic penalty, is Friday, December 4, 2020. For regulations and procedures for Dropping Courses, see the Undergraduate Calendar.

Copies of Out-of-Class Assignments

Keep paper and/or other reliable back-up copies of all out-of-class assignments: you may be asked to resubmit work at any time.

Academic Misconduct

The University of Guelph is committed to upholding the highest standards of academic integrity and enjoins all members of the University community – faculty, staff, and students – to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring. The University of Guelph takes a serious view of academic misconduct, and it is your responsibility as a student to be aware of and to abide by the University’s policy. Included in the definition of academic misconduct are such activities as cheating on examinations, plagiarism, misrepresentation, and submitting the same material in two different courses without written permission from the relevant instructors. To better understand your responsibilities, read the Undergraduate Calendar for a statement of Students’ Academic Responsibilities; also read the full Academic Misconduct Policy.

You are also advised to make use of the resources available through the Learning Commons (http://www.learningcommons.uoguelph.ca/) and to discuss any questions you may have with your course instructor, TA, or academic counsellor.
Instructors have the right to use software to aid in the detection of plagiarism or copying and to examine students orally on submitted work. For students found guilty of academic misconduct, serious penalties, up to and including suspension or expulsion, can be imposed. Hurried or careless submission of work does not exonerate students of responsibility for ensuring the academic integrity of their work. Similarly, students who find themselves unable to meet course requirements by the deadlines or criteria expected because of medical, psychological or compassionate circumstances should review the university’s regulations and procedures for Academic Consideration in the calendar and discuss their situation with the instructor and/or the program counsellor or other academic counsellor as appropriate.

University Policy on Academic Misconduct

*Academic misconduct, such as plagiarism, is a serious offence at the University of Guelph. Please consult the Undergraduate Calendar for offences, penalties and procedures relating to academic misconduct.*