

**Faculty of Science Course Syllabus  
Department of Economics**

**Econ 3332 Resource Economics  
Winter 2016**

**Instructor:** Jonathan J Simms      [jonathanjsimms@gmail.com](mailto:jonathanjsimms@gmail.com)      A-13 6220 University Ave

**Lectures:** Mondays, Wednesdays, Fridays 2:35 – 3:25      LSC P4258

**Teaching Assistant:** Kiran Toor      kr899702@dal.ca

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**Course Description**

This course focuses on intertemporal economics and the economics of market failure as they pertain to the use of natural resources. A selection of resource sectors will also be discussed. Fisheries, agriculture, forestry, and energy represent possibilities, but this varies from year to year.

**Course Prerequisites**

[ECON 2200.03](#) or [ECON 2220.03](#), [MATH 1000.03](#) or equivalent

**Course Objectives/Learning Outcomes**

Upon completing this course, you will have a broad knowledge of the following:

- An understanding of the concepts and complex issues related to resource use;
- A development of analytical skills enabling you to examine a wide range of economic problems;
- A grasp of the pressures that have intensified on our natural systems around the world (e.g., fisheries, forestry, energy resources and others); and
- The adoption of the concept of sustainability of our natural environment and economy.

**Course Materials**

Required textbook

- John M. Hartwick and Nancy D. Olewiler. *The Economics of Natural Resource Use*, 2<sup>nd</sup> ed. Reading, Massachusetts: Addison Wesley, 1998.

Supplementary textbook

- Jonathan M. Harris and Brian Roach, *Environmental and Natural Resource Economics: A Contemporary Approach*, 3<sup>rd</sup> ed. Armonk, New York: M.E. Sharpe, 2013.

## Course Assessment

Component	Weight (% of final grade)	Date
<b><i>Tests/quizzes</i></b>	50%	Jan 20, 27, Feb 3, 10, 17 Mar 3,10,17,24, 31 Apr 7 if 1 of 10 missed with medical exc.
<b><i>Final exam</i></b>	50%	(Scheduled by Registrar)

## Other course requirements

There will be 10 weekly quizzes based on the Discussion Questions section found at the end of the chapters cited for the weekly readings from the Hartwick and Olewiler text. Each quiz will be worth 5% of your final mark. The average mark of your best nine (9) quizzes will be 50% of your grade.

The final exam, valued at 50%, includes the entire material covered during the term.

## Conversion of numerical grades to Final Letter Grades follows the Dalhousie Common Grade Scale

A+ (90-100)	B+ (77-79)	C+ (65-69)	D	(50-54)
A (85-89)	B (73-76)	C (60-64)	F	(<50)
A- (80-84)	B- (70-72)	C- (55-59)		

## Course Policies

The quizzes and the comprehensive final exam examination are "closed book" type. There will be no make-ups for missed quizzes without a medical excuse. If there is a medical excuse, a quiz on April 7<sup>th</sup> will be available for the work of that week.. The final exam will be held during the regular exam schedule.

## Course Content

**Week of January 9:** Introduction and outline of course  
Hartwick and Olewiler, Ch 1.



**Week of January 16:** Introduction, definitions and concepts of sustainability  
Hartwick and Olewiler, Ch 1, 2.

**Week of January 23:** Land and Water  
Hartwick and Olewiler, Ch 3.  
Supplementary chapter: Harris and Roach, Ch 15.

**Week of January 30:** The Fishery – introduction  
Hartwick and Olewiler, Ch 4.  
Supplementary chapter: Harris and Roach, Ch 13

**Week of February 6:** The Fishery – continued  
Hartwick and Olewiler, Ch 4, 5.

**Week of February 13:** The fishery – continued  
Hartwick and Olewiler, Ch 5.

**Week of February 27:** Externalities and Policy  
Hartwick and Olewiler, Ch 6&7.

**Week of March 6:** Nonrenewable Resources  
Hartwick and Olewiler, Ch, 8.  
Supplementary chapter: Harris and Roach, Ch 11.

**Week of March 13:** Nonrenewable resources – continued.  
Hartwick and Olewiler, Ch 8.  
Supplementary Chapter: Harris and Roach, Ch 12 (Energy).

**Week of March 20:** Forestry  
Hartwick and Olewiler, Ch 11.  
Supplementary Chapter: Harris and Roach, 14.

**Week of March 27:** Forestry – continued.  
Hartwick and Olewiler, Ch 11.

**Week of April 3:** Sustainability revisited.  
Hartwick and Olewiler, Ch 12.  
Supplementary chapter: Harris and Roach, Ch 2

**Week of April 10:** Review

## ACCOMMODATION POLICY FOR STUDENTS

Students may request accommodation as a result of barriers related to disability, religious obligation, or any characteristic protected under Canadian Human Rights legislation. The full text of Dalhousie's Student Accommodation Policy can be accessed here:

[http://www.dal.ca/dept/university\\_secretariat/policies/academic/student-accommodation-policy-wef-sep--1--2014.html](http://www.dal.ca/dept/university_secretariat/policies/academic/student-accommodation-policy-wef-sep--1--2014.html)

Students who require accommodation for classroom participation or the writing of tests and exams should make their request to the **Advising and Access Services Centre (AASC)** prior to or at the outset of the regular academic year. More information and the ***Request for Accommodation*** form are available at [www.dal.ca/access](http://www.dal.ca/access).

## ACADEMIC INTEGRITY

Academic integrity, with its embodied values, is seen as a foundation of Dalhousie University. It is the responsibility of all students to be familiar with behaviours and practices associated with academic integrity. Instructors are required to forward any suspected cases of plagiarism or other forms of academic cheating to the Academic Integrity Officer for their Faculty.

The Academic Integrity website (<http://academicintegrity.dal.ca>) provides students and faculty with information on plagiarism and other forms of academic dishonesty, and has resources to help students succeed honestly. The full text of Dalhousie's ***Policy on Intellectual Honesty*** and ***Faculty Discipline Procedures*** is available here:

[http://www.dal.ca/dept/university\\_secretariat/academic-integrity/academic-policies.html](http://www.dal.ca/dept/university_secretariat/academic-integrity/academic-policies.html)

## STUDENT CODE OF CONDUCT

Dalhousie University has a student code of conduct, and it is expected that students will adhere to the code during their participation in lectures and other activities associated with this course. In general:

"The University treats students as adults free to organize their own personal lives, behaviour and associations subject only to the law, and to University regulations that are necessary to protect

- the integrity and proper functioning of the academic and non – academic programs and activities of the University or its faculties, schools or departments;
- the peaceful and safe enjoyment of University facilities by other members of the University and the public;
- the freedom of members of the University to participate reasonably in the programs of the University and in activities on the University's premises;
- the property of the University or its members."

The full text of the code can be found here:

[http://www.dal.ca/dept/university\\_secretariat/policies/student-life/code-of-student-conduct.html](http://www.dal.ca/dept/university_secretariat/policies/student-life/code-of-student-conduct.html)

## COPYRIGHT

All members of the Dalhousie community are expected to comply with their obligations under Canadian copyright law. Dalhousie copyright policies and guidelines, including our Fair Dealing Guidelines, are available at <http://www.dal.ca/dept/copyrightoffice.html>. Copyright questions should be directed to the Copyright Office at [copyright.office@dal.ca](mailto:copyright.office@dal.ca).

## SERVICES AVAILABLE TO STUDENTS

The following campus services are available to help students develop skills in library research, scientific writing, and effective study habits. The services are available to all Dalhousie students and, unless noted otherwise, are free.

Service	Support Provided	Location	Contact
<b>General Academic Advising</b>	Help with <ul style="list-style-type: none"> <li>- understanding degree requirements and academic regulations</li> <li>- choosing your major</li> <li>- achieving your educational or career goals</li> <li>- dealing with academic or other difficulties</li> </ul>	<b>Killam Library Ground floor</b> Rm G28 <b>Bissett Centre for Academic Success</b>	In person: Killam Library Rm G28 By appointment: <ul style="list-style-type: none"> <li>- e-mail: <a href="mailto:advising@dal.ca">advising@dal.ca</a></li> <li>- Phone: (902) 494-3077</li> <li>- Book online through MyDal</li> </ul>
<b>Dalhousie Libraries</b>	Help to find books and articles for assignments Help with citing sources in the text of your paper and preparation of bibliography	<b>Killam Library Ground floor</b>  Librarian offices	In person: Service Point (Ground floor)  By appointment: Identify your subject librarian (URL below) and contact by email or phone to arrange a time: <a href="http://dal.beta.libguides.com/sb.php?subject_id=34328">http://dal.beta.libguides.com/sb.php?subject_id=34328</a>
<b>Studying for Success (SFS)</b>	Help to develop essential study skills through small group workshops or one-on-one coaching sessions  Match to a tutor for help in course-specific content (for a reasonable fee)	<b>Killam Library 3<sup>rd</sup> floor</b>  Coordinator Rm 3104  Study Coaches Rm 3103	To make an appointment: <ul style="list-style-type: none"> <li>- Visit main office (Killam Library main floor, Rm G28)</li> <li>- Call (902) 494-3077</li> <li>- email Coordinator at: <a href="mailto:sfs@dal.ca">sfs@dal.ca</a> or</li> <li>- Simply drop in to see us during posted office hours</li> </ul> <b>All information can be found on our website:</b> <b><a href="http://www.dal.ca/sfs">www.dal.ca/sfs</a></b>
<b>Writing Centre</b>	Meet with coach/tutor to discuss writing assignments (e.g., lab report, research paper, thesis, poster) <ul style="list-style-type: none"> <li>- Learn to integrate source material into your own work appropriately</li> </ul>	<b>Killam Library Ground floor</b> Learning Commons & Rm G25	To make an appointment: <ul style="list-style-type: none"> <li>- Visit the Centre (Rm G25) and book an appointment</li> <li>- Call (902) 494-1963</li> <li>- email <a href="mailto:writingcentre@dal.ca">writingcentre@dal.ca</a></li> <li>- Book online through MyDal</li> </ul> We are open six days a week



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	- Learn about disciplinary writing from a peer or staff member in your field		See our website: <a href="http://writingcentre.dal.ca">writingcentre.dal.ca</a>
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