Course Description:
The more than tenfold increase in income in the United States over the past century is the result of economic growth. So is the fact that per capita income in the United States and other advanced economies is around fifty times higher than sub-Saharan Africa. This course will examine what economics has to say about these phenomena.

Course Objectives/Learning Outcomes:
To introduce and apply concepts in economic growth and to introduce the student to modern questions about growth.

Course Outline:
The Facts of Economic Growth:
  Growth and Development
  Other Stylized Facts
The Solow Model:
  Basic Solow Model
  Technology and Solow
Empirical Applications of Neoclassical Growth
  Solow with Human Capital
  Convergence and Differences in Growth Rates
  Distribution of world income
Economics of Ideas
  What is Technology?
  Intellectual Property Rights
  Population and Ideas
  McCloskey: Liberal Ideas Caused Growth
The Engine of Growth
  The Romer Model
  Creative Destruction
  Schumpeterian Growth
Growth and Development
  Basic Model

Technology Transfer
Globalization and Trade
Social Infrastructure and Growth
Investment and Growth
Which Institutions?
Growth Miracles and Disasters
Acemoglu and Robinson: Extractive Institutions
Population and Growth
Malthusian Economy
Transition to Sustained Growth
Alternative Theories
AK Model
Gordon: Hygiene and Public Works
Natural Resources and Economic Growth
Non-Renewable Resources
Prices as Indicators of Scarcity
Growth and the Environment

Prerequisites/corequisites:
Econ 357/359 (prerequisite)

Required Textbook:

Recommended Textbooks:

Desire2Learn:
This course will make use of the Desire2Learn (D2L) platform. Students who are registered in the course can log on at [http://d2l.ucalgary.ca](http://d2l.ucalgary.ca) through their student centre. Please note that D2L features a class e-mail list that may be used to distribute course-related information. These e-mails go to your University of Calgary e-mail addresses only.

Grade Determination and Final Examination Details:
A passing grade on any particular component of the course is not required for a student to pass the course as a whole.

As per the Writing Across the Curriculum Statement in the Calendar, writing and grading thereof will be a factor in the evaluation of student work.

Any student work which remains undistributed after the last day of classes will be available to students through the instructor's office during his office hours.
The final examination will be comprehensive, scheduled by the Registrar, held in a classroom, and last 2 hours. If a student cannot write their final exam on the date assigned by the Registrar’s Office, they need to apply for a deferred exam [www.ucalgary.ca/registrar/exams/deferred_final](http://www.ucalgary.ca/registrar/exams/deferred_final). Under no circumstance will this be accommodated by the Department.

Tests and exams will not involve multiple choice questions. Non-programmable calculators WILL be allowed during the writing of tests or final examinations.

THERE WILL BE NO MAKEUP OR DEFERRED QUIZZES/TESTS/EXAMS under any circumstances, nor may the quizzes/tests/exams be written early. Students unable to write the quizzes/tests/exams because of documented illness, family emergency, religious observance, or university-sanctioned event will have the weight shifted to the final examination; otherwise a grade of zero will be assigned.

**Weighting and Dates of Course Components**

<table>
<thead>
<tr>
<th>Component</th>
<th>Percent of Grade</th>
<th>Date</th>
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<tbody>
<tr>
<td>Midterm Examination 1</td>
<td>25%</td>
<td>Oct. 12, in class</td>
</tr>
<tr>
<td>Midterm Examination 2</td>
<td>25%</td>
<td>Nov. 16, in class</td>
</tr>
<tr>
<td>Final Examination (cumulative)</td>
<td>25%</td>
<td>Scheduled by Registrar</td>
</tr>
<tr>
<td>Homework Assignment 1</td>
<td>5%</td>
<td>Due Sept. 21, beginning of class</td>
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<tr>
<td>Homework Assignment 2</td>
<td>5%</td>
<td>Due Oct. 5, beginning of class</td>
</tr>
<tr>
<td>Homework Assignment 3</td>
<td>5%</td>
<td>Due Oct. 26, beginning of class</td>
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<tr>
<td>Homework Assignment 4</td>
<td>5%</td>
<td>Due Nov. 9, beginning of class</td>
</tr>
<tr>
<td>Homework Assignment 5</td>
<td>5%</td>
<td>Due Nov. 30, beginning of class</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
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**Grading Scale**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Range</th>
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<tbody>
<tr>
<td>A+</td>
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</tr>
<tr>
<td>A</td>
<td>95 – 99</td>
</tr>
<tr>
<td>A-</td>
<td>90 – 94</td>
</tr>
<tr>
<td>B+</td>
<td>85 – 89</td>
</tr>
<tr>
<td>B</td>
<td>80 – 84</td>
</tr>
<tr>
<td>B-</td>
<td>75 – 79</td>
</tr>
<tr>
<td>B</td>
<td>70 – 74</td>
</tr>
<tr>
<td>C+</td>
<td>65 – 69</td>
</tr>
<tr>
<td>C</td>
<td>60 – 64</td>
</tr>
<tr>
<td>D</td>
<td>55 – 59</td>
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<tr>
<td>D+</td>
<td>50 – 54</td>
</tr>
<tr>
<td>F</td>
<td>0 – 49</td>
</tr>
</tbody>
</table>

**Reappraisal of Grades and Intellectual Honesty:**
*For reappraisal of graded term work, see Calendar I.2*
[http://www.ucalgary.ca/pubs/calendar/current/i-2.html](http://www.ucalgary.ca/pubs/calendar/current/i-2.html)

*For reappraisal of final grade, see Calendar I.3*

*Statement of Intellectual Dishonesty, see Calendar K.4*
[http://www.ucalgary.ca/pubs/calendar/current/k-4.html](http://www.ucalgary.ca/pubs/calendar/current/k-4.html)

*Plagiarism and Other Academic Misconduct, see Calendar K.5*
[http://www.ucalgary.ca/pubs/calendar/current/k-5.html](http://www.ucalgary.ca/pubs/calendar/current/k-5.html)
**Academic Accommodation:**
Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services; SAS will process the request and issue letters of accommodation to instructors. For additional information on support services and accommodations for students with disabilities Visit [www.ucalgary.ca/access/](http://www.ucalgary.ca/access/).

Students who require an accommodation in relation to their coursework based on a protected ground other than disability should communicate this need in writing to their Instructor. The full policy on Student Accommodations is available at [http://www.ucalgary.ca/policies/files/policies/student-accommodation-policy.pdf](http://www.ucalgary.ca/policies/files/policies/student-accommodation-policy.pdf)

**Important Dates:**
Please check: [http://www.ucalgary.ca/pubs/calendar/current/academic-schedule.html](http://www.ucalgary.ca/pubs/calendar/current/academic-schedule.html)

**Student Organizations:**
Faculty of Arts Students’ Association (F.A.S.A.):
- Economics Department Representative
- Office: SS 803, E-mail: econrep@fasaucalgary.ca and Web: [www.fasaucalgary.ca](http://www.fasaucalgary.ca).

Society of Undergraduates in Economics:
[https://www.ucalgarysue.com/](https://www.ucalgarysue.com/).

Society of Undergraduates in Economics is a student run organization whose main purpose is to assist undergraduate economics students to succeed both academically and socially at the University of Calgary. Services include access to the exam bank, career partnerships with the Career Centre through hosting industry nights and information sessions, recognizing achievements in teaching, and organizing social events for members. They invite you to join by contacting SUE at [societyofundergradsineconomics@gmail.com](mailto:societyofundergradsineconomics@gmail.com).

**Faculty of Arts Program Advising and Student Information Resources:**
- Have a question, but not sure where to start? The Arts Students’ Centre is your information resource for everything in Arts! Drop in at SS102, call them at 403-220-3580 or email them at [artsads@ucalgary.ca](mailto:artsads@ucalgary.ca). You can also visit the Faculty of Arts website at [http://arts.ucalgary.ca/undergraduate](http://arts.ucalgary.ca/undergraduate) which has detailed information on common academic concerns, including program planning and advice.

- For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at 403-210-ROCK [7625] or visit them in the MacKimmie Library Block.
- Online writing resources are available at [http://www.ucalgary.ca/ssc/resources/writing-support](http://www.ucalgary.ca/ssc/resources/writing-support).

**Evacuation Assembly Point:**
In case of an emergency evacuation during class, students must gather at the designated assembly point nearest to the classroom. The assembly point for this classroom is Social Science - Food Court.

**Safewalk:**
The Safewalk program provides volunteers to walk students safely to their destination anywhere on campus. This service is free and available 24 hrs/day, 365 days a year. **Call 403-220-5333.**

JRB
2017-08-22