



ORIGINAL COURSE IMPLEMENTATION DATE: April 1992
 REVISED COURSE IMPLEMENTATION DATE: January 2019
 COURSE TO BE REVIEWED (six years after UEC approval): May 2024
 Course outline form version: 10/27/2017

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: ECON 352	Number of Credits: 3 Course credit policy (105)														
Course Full Title: Technological Progress and Economic Growth Course Short Title: <i>(Transcripts only display 30 characters. Departments may recommend a short title if one is needed. If left blank, one will be assigned.)</i>															
Faculty: Faculty of Social Sciences	Department (or program if no department): Economics														
Calendar Description: Theoretical models of economic growth and technological progress are used to study the sources of economic growth, the impact of technological advances on growth and economic systems, the social-economic factors that influence innovation and diffusion of technology, and public policy.															
Prerequisites (or NONE):	45 university-level credits, including ECON 100 and ECON 101.														
Corequisites (if applicable, or NONE):															
Pre/corequisites (if applicable, or NONE):															
Antirequisite Courses <i>(Cannot be taken for additional credit.)</i> Former course code/number: Cross-listed with: Dual-listed with: Equivalent course(s): <i>(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)</i>	Special Topics This course is offered with different topics: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(Double-click on box to select it as checked.)</i> If yes, different lettered courses may be taken for credit: <input type="checkbox"/> No <input type="checkbox"/> Yes, repeat(s) <input type="checkbox"/> Yes, no limit <i>(The specific topic will be recorded when offered.)</i>														
Typical Structure of Instructional Hours <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr><td>Lecture/seminar hours</td><td style="text-align: center;">45</td></tr> <tr><td>Tutorials/workshops</td><td></td></tr> <tr><td>Supervised laboratory hours</td><td></td></tr> <tr><td>Experiential (field experience, practicum, internship, etc.)</td><td></td></tr> <tr><td>Supervised online activities</td><td></td></tr> <tr><td>Other contact hours:</td><td></td></tr> <tr><td style="text-align: right;">Total hours</td><td style="text-align: center;">45</td></tr> </table>	Lecture/seminar hours	45	Tutorials/workshops		Supervised laboratory hours		Experiential (field experience, practicum, internship, etc.)		Supervised online activities		Other contact hours:		Total hours	45	Transfer Credit Transfer credit already exists: <i>(See bctransferguide.ca.)</i> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Submit revised outline for rearticulation: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>(If yes, fill in transfer credit form.)</i>
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Tutorials/workshops															
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Supervised online activities															
Other contact hours:															
Total hours	45														
	Grading System <input checked="" type="checkbox"/> Letter Grades <input type="checkbox"/> Credit/No Credit														
	Expected Frequency of Course Offerings: Every other year <i>(Every semester, Fall only, annually, every other Fall, etc.)</i>														
Labs to be scheduled independent of lecture hours: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes															
Department / Program Head or Director: Michael K. Maschek, Ph.D.	Date approved: January 2018														
Faculty Council approval	Date approved: February 2018														
Dean/Associate VP: Jacqueline Nolte	Date approved: February 2018														
Campus-Wide Consultation (CWC)	Date of posting: April 13, 2018														
Undergraduate Education Committee (UEC) approval	Date of meeting: May 18, 2018														

Learning Outcomes:

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

- Outline the sources of economic growth;
- Describe the role of technological progress in economic growth and in the evolution of economic institutions;
- Detail economic factors that influence technological progress;
- Discuss major public policy issues pertaining to technological progress and economic growth;
- Interpret the rationale of business strategies related to technical innovation.

Prior Learning Assessment and Recognition (PLAR)

Yes No, PLAR cannot be awarded for this course because

Typical Instructional Methods (*Guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion.*)

Presentations, lectures, class project and discussion.

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Typical Text(s) and Resource Materials (*If more space is required, download Supplemental Texts and Resource Materials form.*)

Author (surname, initials)	Title (article, book, journal, etc.)	Current ed.	Publisher	Year
1. Weil	Economic Growth, 3 rd Edition	<input checked="" type="checkbox"/>	Pearson	2016
2. Swann	The Economics of Innovation: An Introduction	<input checked="" type="checkbox"/>	Edward Elgar	2009
3.		<input type="checkbox"/>		
4.		<input type="checkbox"/>		
5.		<input type="checkbox"/>		

Required Additional Supplies and Materials (*Software, hardware, tools, specialized clothing, etc.*)

Typical Evaluation Methods and Weighting

Final exam:	30%	Assignments:	20%	Field experience:	%	Portfolio:	%
Midterm exam:	20%	Project:	%	Practicum:	%	Participation:	10%
Quizzes/tests:	20%	Lab work:	%	Shop work:	%	Total:	100%

Details (if necessary):

Typical Course Content and Topics

- Economic Growth and Human Civilization
- Sources of Economic Growth
- Capital Accumulation
- Population and Labor Force
- Human Capital Improvement
- Productivity Growth
- Technological Progress and Innovation
- Role and Impact of Technological Progress
- Creation and Diffusion of Technologies
- Innovation in Response to Incentives
- Innovation, Market Structure and Public Policies
- Business Strategies of Innovation
- Sustainable Growth and Environment