

COURSE IMPLEMENTATION DATE: April 1992  
 COURSE REVISED IMPLEMENTATION DATE: September 2011  
 COURSE TO BE REVIEWED: March 2014  
*(four years after UPAC approval)* *(month, year)*

**OFFICIAL UNDERGRADUATE COURSE OUTLINE INFORMATION**

Students are advised to keep course outlines in personal files for future use.  
 Shaded headings are subject to change at the discretion of the department – see course syllabus available from instructor

<u>ECON 352</u>	<u>Economics</u>	<u>3</u>
COURSE NAME/NUMBER	FACULTY/DEPARTMENT	UFV CREDITS
Technological Progress and Economic Growth		
COURSE DESCRIPTIVE TITLE		

**CALENDAR DESCRIPTION:**

This course equips students with a theoretical foundation for studying economic growth and technological progress. Topics covered include 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 issues on technological progress and economic growth.

PREREQUISITES: 45 university-level credits, including ECON 100 and ECON 101.  
 COREQUISITES:  
 PRE or COREQUISITES:

**SYNONYMOUS COURSE(S):**

- (a) Replaces: \_\_\_\_\_
- (b) Cross-listed with: \_\_\_\_\_
- (c) Cannot take: \_\_\_\_\_ for further credit.

**SERVICE COURSE TO:** *(department/program)*

**TOTAL HOURS PER TERM:** 45

**STRUCTURE OF HOURS:**

Lectures:	<u>45</u>	Hrs
Seminar:	_____	Hrs
Laboratory:	_____	Hrs
Field experience:	_____	Hrs
Student directed learning:	_____	Hrs
Other (specify):	_____	Hrs

**TRAINING DAY-BASED INSTRUCTION:**

Length of course: \_\_\_\_\_  
 Hours per day: \_\_\_\_\_

**OTHER:**

Maximum enrolment: 28  
 Expected frequency of course offerings: Annually  
*(every semester, annually, every other year, etc.)*

**WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)**  Yes  No  
**WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)**  Yes  No  
**TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:**  Yes  No

Course designer(s): <u>Ding Lu</u>	Date approved: <u>September 2009</u>
Department Head: <u>Vladimir Dvoracek</u>	Date of meeting: <u>September 25, 2009</u>
Supporting area consultation (Pre-UPAC)	Date approved: <u>March 12, 2010</u>
Curriculum Committee chair: <u>John Carroll</u>	Date approved: <u>March 12, 2010</u>
Dean/Associate VP: <u>Jacqueline Nolte / Eric Davis</u>	Date of meeting: <u>March 26, 2010</u>
Undergraduate Program Advisory Committee (UPAC) approval	

**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.

**METHODS:** *(Guest lecturers, presentations, online instruction, field trips, etc.)*

Presentations, lectures, class project and discussion.

**METHODS OF OBTAINING PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):**

Examination(s)                       Portfolio assessment                       Interview(s)

Other (specify):

PLAR cannot be awarded for this course for the following reason(s):

**TEXTBOOKS, REFERENCES, MATERIALS:**

*[Textbook selection varies by instructor. An example of texts for this course might be:]*

David N. Weil. *Economic Growth*. 2/e, 2005, Pearson.

G.M. Peter Swann, *The Economics of Innovation: An Introduction*. 2009. Edward Elagar.

**SUPPLIES / MATERIALS:**

**STUDENT EVALUATION:**

*[An example of student evaluation for this course might be:]*

Quizzes and midterms	20%
Final exam	30%
Presentations	20%
Assignments and paper	20%
Participation	10%

**COURSE CONTENT:**

*[Course content varies by instructor. An example of course content might be:]*

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