



Department of Economics and Finance

ECON*3810.01
Advanced Macroeconomics
Winter 2014



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It is your responsibility as a student to be aware of and to abide by the University's policies regarding academic misconduct, e-mail communication, maintaining copies of out-of class assignments, what to do when you cannot meet a course requirement and the drop date for this semester. To better understand these policies, visit:

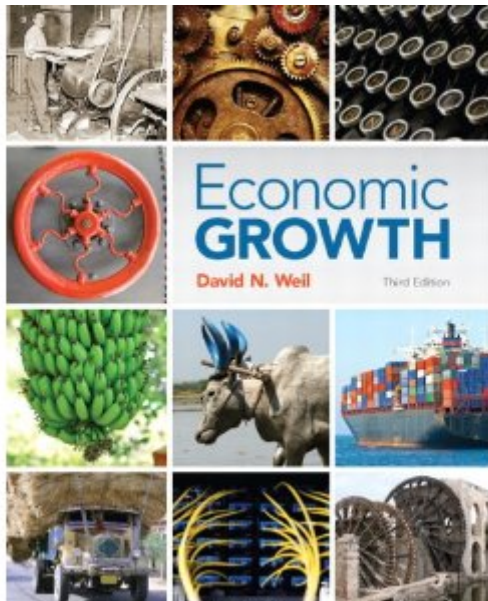
https://dev.web.uoguelph.ca/economics_d7/important-notice-about-students-responsibilities-and-university-policies

COURSE OUTLINE

Objective: The goal of this course is to provide all the fundamental concepts and basic theoretical tools to analyze, understand and predict the behavior of an economy in the long run.

Prerequisites: [ECON*2410](#), ([ECON*2740](#) or [STAT*2040](#)), ([ECON*2770](#) or [MATH*1210](#))

Required Textbook:



Author: David N. Weil

Title: Economic Growth

Hardcover: 576 pages

Publisher: Addison Wesley; 3rd U.S. Edition (July 9, 2012)

Language: English

ISBN-10: 0321795733

Instructor: Prof. Laurent L. Cellarier

ISBN-13: 978-0321795731**Online Resources:**<http://catalogue.pearsoned.ca/educator/product/Economic-Growth/9780321795731.page>**Grades:**

Course grades will be determined according to the following weighting scheme:

2 Homework Assignments (TBA)	20%
1 Midterm Examination (March 1 st , 9:00AM – 11:00AM, TBA)	30%
1 Final Examination (April 10 th , 7:00PM 9:00PM, TBA)	50%

Note:

There is no make-up exam. If a student misses the midterm (with appropriate documentation) its weight will be shifted to the final.

Online Course Materials:

Additional resources will be available at:

<http://courselink.uoguelph.ca/>**Course Evaluation:**

You will be asked to complete an evaluation of this course at some time during the last two weeks of the semester. **The course evaluation will be held in class.** The department of Economics policy regarding the conduct and use of these evaluations will be found at:

<https://www.uoguelph.ca/economics/course-evaluation>

COURSE CONTENT

PART 1 Introduction

Chapter 1	Overview (Economic Growth, David N. Weil, 3 rd U.S. edition, Chapters 1 and 2) (Macroeconomics, Charles I. Jones, 2 nd U.S. edition, Chapter 3) (Macroeconomics Olivier Blanchard, David R. Johnson 6 th U.S. edition, Chapter 10)
Chapter 2	The Malthusian Model of Economic Growth (Macroeconomics, Williamson S, 5 th U.S. edition, Chapter 7) (Economic Growth, David N. Weil, 3 rd U.S. edition, Chapter 4)

PART 2 Factor Accumulation

Chapter 3 Physical Capital

(Economic Growth, David N. Weil, 3rd U.S. edition, Chapter 3)
(Macroeconomics, Charles I. Jones, 2nd U.S. edition, Chapter 5)

(Macroeconomics Olivier Blanchard, David R. Johnson 6th U.S. edition,
Chapter 11)

Chapter 4 Population

(Economic Growth, David N. Weil, 3rd U.S. edition, Chapters 4, 5)

Chapter 5 Human Capital

(Economic Growth, David N. Weil, 3rd U.S. edition, Chapter 6)
(Macroeconomics, Charles I. Jones, 2nd U.S. edition, Chapter 6)

PART 3 Productivity

Chapter 6 Measuring Productivity

(Economic Growth, David N. Weil, 3rd U.S. edition, Chapter 7)
(Macroeconomics, Charles I. Jones, 2nd U.S. edition, Chapter 4)

Chapter 7 Technology

(Economic Growth, David N. Weil, 3rd U.S. edition, Chapters 8 and 9)
(Macroeconomics Olivier Blanchard, David R. Johnson 6th U.S. edition,
Chapter 12)

Chapter 8 Efficiency

(Economic Growth, David N. Weil, 3rd U.S. edition, Chapter 10)

Chapter 9 Openness

(Economic Growth, David N. Weil, 3rd U.S. edition, Chapter 11)

PART 4 Fundamentals

Chapter 10 Government

(Economic Growth, David N. Weil, 3rd U.S. edition, Chapter 12)

Chapter 11 Income Inequalities

(Economic Growth, David N. Weil, 3rd U.S. edition, Chapter 13)

PART 5 Conclusion

Chapter 12 What we have learned and where we are headed

(Economic Growth, David N. Weil, 3rd U.S. edition, Chapter 17)

In keeping with the University's Learning Outcomes, the Department of Economics and Finance Learning Outcomes (skills and knowledge competencies) for this course are:

Skills:

- 1) **Written Communication:** Short answer essay questions which will be graded with the usual essay writing criteria except for the requirement of a bibliography.
- 2) **Numerical Problem Solving:** Students will have to **calculate** various macroeconomic indicators, **solve** various macroeconomic models namely the Malthusian model, the Solow-Swan model, a one-country model and a two-country model. Students will also have to make **quantitative predictions**. These numerical skills will be assessed with quantitative problems in the homework assignments, the midterm and final.
- 3) **Analytical Problem Solving:** Some parts of the course rely on graphical **analysis** to **demonstrate** and **interpret** the various economic models presented. This will be tested on the homework assignments, the midterm and final.
- 4) **Problem solving in a Real World Context:** Students will have to **apply** the course materials to historical and current macroeconomic problems.
- 5) **Computer skills:** Students will have to **master** either Microsoft Excel or any statistical packages to answer some homework assignment questions.
- 6) **Professional and ethical awareness and conduct:** There will be no time extension to complete the homework assignments in order to master **time management** skills.

Knowledge:

- 1) **Mathematical Methodology:** Students are expected to **solve** systems of equations, optimization problems and **analyze** systems of first-order difference equations.
- 2) **Statistical and Econometric Methodology:** Students have to be **familiar** with data analysis, sampling, probability, hypothesis testing, confidence intervals, regression analysis, robustness)
- 3) **Microeconomic modelling:** Students are expected to **apply** the supply and demand framework to various markets and the theory of the firm.
- 4) **Macroeconomic Modeling:** As an advanced course, ECON*3810 introduces students to macroeconomic dynamics. Students are expected to **remember** and **recognize** various concepts and models.
- 5) **Historical and Global context:** Students will be required to **research** the values of current macroeconomic indicators and variables. Short essay questions will ask students to **construct** an argument about a macroeconomic issue from an historical perspective and **formulate** a solution for a current macroeconomic problem.
- 6) **Economic Policy and Regulation:** Students must **understand** and **explains** the macroeconomic consequences of the various forms of government intervention.