

Colleges of the Arts and Sciences 4132 Smith Laboratory 174 W. 18th Avenue Columbus, OH 43210

> Phone (614) 292-7226 Fax (614) 688-5678

June 13, 2008

Dr. Kay Halasek Chair, Council on Academic Affairs Denney Hall 164 West 17th Avenue CAMPUS

Dear Kay:

The Arts and Sciences Committee on Curriculum and Instruction (CCI) approved a revision to the **Economics Minor** on May 30, 2008. The CCI Subcommittee on Natural and Social Sciences approved the minor at their meeting on April 30, 2008. The proposal was also endorsed by the SBS Curriculum Committee on April 2, 2008.

The proposed changes to the minor are modest: adding the option for students to take either a macroeconomics or econometrics course in the core offerings, thus increasing flexibility for students. Also, the proposal asks to expand the upper division courses allowable in the "Additional Courses" list for the minor from any two 500-level courses to any two courses at the 300-level or higher.

Because 300-level courses already count in the major as upper division coursework, but not in the minor, this would bring the minor into more equitable alignment with the major curriculum. The CCI strongly endorsed these changes.

In addition to the proposal and cover letters, I have enclosed a transmittal history for this proposal.

Please let me know if I can be of further assistance as CAA considers these changes.

Sincerely,

Kathleen Mallul

Kathleen M. Hallihan

Director, Curriculum and Assessment

c: Randy Smith Edward Adelson Lakshmi Dutta Date: May 23, 2008

Subject: Proposed Revision to the Economics Minor

From: Mike Vasey, Chair, Subcommittee C

Subcomittee C considered the proposal for revisions to the Economics minor on 4/30/08. This revision proposes two changes to the requirements for a minor in economics:

- 1) Addition of the option for students to take a course on macroeconomics (Econ 502.01 or 502.02), or a course on econometrics (Econ 444) rather than a course on microeconomics. The current minor allows only a course on microeconomics. As noted in the revision, although most students are likely to choose a course in microeconomics, there is no substantive reason to limit them to such a course.
- 2) Expansion of the upper-division courses permissible in the minor from any two 5-credit economics courses having as a prerequisite either Econ 200, 201, 501.01, or 501.02 (and 502.01, 502.02, or 444 under the revised minor) to any two economics courses at the 300-level or higher. According to the proposal, the department has created new courses at the 300-level and higher which are rigorous enough to warrant inclusion as options in the minor but which do not have one or more of the above-listed courses as a prerequisite.

Although members of the committee commented on the terse nature of the proposal, their consensus was that the proposed changes to the requirements for the Economics minor were sensible and well-justified. The subcommittee therefore voted unanimously in favor of the proposal.

Rationale for Changes to the Economics Minor

The two changes are to (1) allow people to choose between Intermediate Micro, Macro, and Econometrics as opposed to having to take micro; and (2) to broaden the requirements for the 2 extra courses to allow 300-level and higher courses that do not have 200 or 201 as a prerequisite to count toward the minor.

Rationale for Change 1: Economics can be very broadly divided into 3 M's: Microeconomics; Macroeconomics and (Econo)Metrics. The old requirements privileged microeconomics relative to macroeconomics and econometrics. While more students take second courses in microeconomics than in the macroeconomics or econometrics, which is presumably why it has been privileged, there is no substantive reason why it should be privileged. The change will allow students to choose the courses that best suit their interests and programs.

Rationale for Change 2: In recent years, we have developed upper-division courses that do not have any prerequisites. Most notable among these is Economics 348, Ethics and Social Responsibility. We are now in the odd situation of having courses that are equally rigorous, some of which qualify for our minor and some of which do not. The relevant criteria should be the level of rigor, not the presence of prerequisites. At the time that the original language was developed, this distinction was not as salient as it is today.

Transmittal History for Revision to Economics Minor

5-31-08 ASC CCI- (unapproved) minutes excerpt Unanimously Approved

- 1. Economics Major Revision
 - a. Summary from Sub C: (Mike Vasey) Addition of option for students to take a course in macroeconomics (Econ 502.01 or 502.02) or econometrics (Econ 444) and expansion of upper division courses permissible in the minor from any two 500-level course to any two courses at 300-level or higher in order to increase flexibility. Subcommittee felt changes were sensible and well-justified
 - b. Shadley: for 600-level courses, many do not require 200 or 201 yet these courses are taught in such a way as to justify their inclusion.
 - c. 300-level courses counted in major as upper division courses but not in minor. This proposal addresses this and similar inconsistencies.

4-30-08 CCI Sub-Committee C- minutes excerpt Unanimously Approved

- 7. Econ Minor revision
 - a. intro by Mike [Vasey]— wanted to change the imbalance weight between micro and macro econ (micro appeared to be more emphasized)
 - b. Explanation of information in 1.a. above

4-2-08 SBS CCC- minutes excerpt Approved with Contingencies (satisfied)

- 4. Econ Minor Program Revision (includes Econ 444)
 - a. Currently system privileges micro econ over macro and econometrics and this change seeks to balance this
 - b. Brings curricular structure of minor into alignment with existing course pre-reqs.
 - c. Required Core Choices: any 501, or 502, or 444
 - d. Add complete 502 and 444 syllabi to proposal
 - e. Revise Required Core choices to reflect C. above
 - f. Revise third paragraph in left-hand column by moving pertinent information to "Filing the minor program form" section. Do Econ minor students actually need to declare ahead of time? No, but it is encouraged.



The Ohio State University Colleges of the Arts and Sciences College of Social and Behavioral Sciences

Economics Minor (Econ, 140)

Department of Economics 410 Arps Hall, 1945 North High Street Columbus, OH 43210-1120 614-292-6701; http://www.econ.ohio-state.edu

The minor in economics consists of 25 credit hours of course work: Economics 200, 201, and 501.01 or 501.02; and any two five-hour economics courses which have at least one or more of the above courses as a prerequisite. No more than five hours of Economics 693 and/or 694 may be applied to the minor. Economics 697 may be used only with the permission of the Director of Undergraduate Studies.

If you complete the minor following these guidelines, you should file the Minor Program Form with your college or school counselor. The Minor Program Form needs to be signed by an undergraduate Adviser in the Department of Economics. For further information about the minor program, contact the department.

Economics minor program guidelines

The following guidelines govern this minor.

Required for graduation No

Credit hours required A minimum of 25

Transfer credit hours allowed A maximum of 10

Overlap with the GEC Permitted

Overlap with the major Not allowed and

- The minor must be in a different subject than the major.
- The same courses cannot count on the minor and on the major.

Overlap between minors Each minor completed must contain 20 unique hours.

Grades required

- Minimum C- for a course to be listed on the minor.
- Minimum 2.00 cumulative point-hour ratio required for the minor.
- Course work graded Pass/Non-Pass cannot count on the minor.

<u>Approval required</u> The minor program description sheet indicates if the minor course work must be approved by:

• A college or school counselor

<u>Filing the minor program form</u> The minor program form must be filed at least by the time the graduation application is submitted to a college or school counselor.

<u>Changing the minor</u> Once the minor program is filed in the college office, any changes must be approved by:

• A college or school counselor



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Economics Minor (Econ, 140)

Department of Economics 410 Arps Hall, 1945 North High Street Columbus, OH 43210-1120 614-292-6701; http://www.econ.ohio-state.edu

Economics offers an understanding of how the economy operates and provides a basis for informed opinions on many public issues. An undergraduate minor in economics provides good preparation for careers in government, business, organized labor, trade associations, or teaching in the social sciences. It also provides an excellent base for graduate work in any of the social sciences or in professional schools such as law and business administration.

The minor in Economics consists of 25 credit hours of course work in selected economics courses. Three core courses (Economics 200, 201, and either 501.01, 501.02, 502.01, 502.02 or 444); and any two five-hour economics courses at the 300-level or higher. No more than five hours of Economics 693 and/or 694 may be applied to the minor. Economics 697 may be used only with the permission of the Director of Undergraduate Studies.

Required Core Courses (15 credit hours)
Economics 200 and
Economics 201 and

Economics 501 (501.01 or 501.02) or Economics 502 (502.01 or 502.02) or Economics 444

Additional Courses (10 credit hours)
Any 2 5-credit economics courses at the 300-level or higher.

Economics minor program guidelines

The following guidelines govern this minor.

Required for graduation No

Credit hours required A minimum of 25

Transfer credit hours allowed A maximum of 10

Overlap with the GEC Permitted

Overlap with the major Not allowed and

- The minor must be in a different subject than the major.
- The same courses cannot count on the minor and on the major.

Overlap between minors Each minor completed must contain 20 unique hours. Grades required

- Minimum C- for a course to be listed on the minor.
- Minimum 2.00 cumulative point-hour ratio required for the minor.
- Course work graded Pass/Non-Pass cannot count on the minor.

<u>Approval required</u> The minor program description sheet indicates if the minor course work must be approved by:

• A college or school counselor

Filing the minor program form The minor program form must be filed by the time the graduation application is submitted to the college or school counselor. It is highly recommended that students seek the approval of an undergraduate adviser in the Department of Economics when declaring the minor.

<u>Changing the minor</u> Once the minor program is filed in the college office, any changes must be approved by:

• A college or school counselor

Arts and Sciences Curriculum Office http://artsandsciences.osu.edu
The Ohio State University
105 Brown Hall, 190 W. 17th Ave.
KLM 7/24/06

SYLLABUS

Course Description: This course is designed to introduce students to econometrics, the application of mathematical statistics to economic data. You will first learn how to compute Ordinary Least Squares. Then the course reviews and builds on univariate methods developed in the prerequisite Statistics course, and then develops elementary methods in regression analysis, the basic tool of econometrics.

Required Textbook: Using Econometrics: A Practical Guide -- Fifth Edition, 2006 (New York) Peason/Addison-Wesley, by A. H. Studenmund.

Homework exercises: Homework exercises will count for 30% of your grade. For some questions in the exercises, you will use the Microsoft Excel spreadsheet program and Eviews. Excel and Eviews are available at Arps Hall 318 (Experimental Economics Lab) and Arps Hall 305 (Economics Computer Lab). If you provide me with your name and Buck ID number, an arrangement will be made to give you an access to these labs during this quarter. Please never use any computer in these labs except for the purpose of this course. Group discussions of the exercises is fine, but each student must submit computer output with his/her own name to receive any credit.

You are required to use Eviews for some questions. You may use another spreadsheet for this course, but I am not competent to answer questions about other spreadsheets. Make sure that your spreadsheet can compute a multiple regression.

Term Paper: This paper (maximum 5 pages) is due on November 21st (Wednesday), and will count for 15% of your grade. For this paper, you are required to run a regression on data, and interpret results. You are not to work with other students on this term paper.

Exams: There will be one midterm examination, given on October 24th (Wednesday) from 10:30 a.m. to 12:18 p.m., counting for 25% of your grade. The final examination, given on December 5th (Wednesday) from 7:30 a.m. to 9:18 a.m., will count for the remaining 30%. Calculators are allowed in the exams.

No make-up exams will be given unless an acceptable official document such as a medical statement from a doctor is supplied as soon as possible. I do not accept any document after one week from the exam except under special circumstances. If a student misses an exam and does not supply an acceptable official document, the student will receive a grade of zero for that exam.

Opportunities to earn extra credit are given in class (for example, by answering a problem in class). No opportunities to earn extra credit are available after the course is over because it is not fair for some selected students to obtain such opportunities based on their needs to obtain better grades.

Grading Policies: If a grading error is suspected, then the student should make a written request for a regrading of the examination within two weeks after its return. This request should clearly indicate the nature of the student's appeal concerning the grading of the examination, including a statement of how many additional points are requested on which exam questions and why additional points are in order.

Office Hours: Office: 448 Arps hall, Phone 292-5842, e-mail ogaki.1@osu.edu, Office hours: Thursday 1:30-3:00 P.M. and Friday 3:30-5:00 P.M.

This syllabus and other class materials are available in alternative formats upon request. Students with disabilities are responsible for making their need known to the instructor and seeking assistance in a timely manner. For more information, please contact the Office of Disability Services at 292-3307.

Prof. Lixin Ye

Office Hours: Tuesday 1:30pm-3:30pm, 417 Arps Hall

e-mail: <u>lixinye@econ.ohio-state.edu</u> Phone: 614-292-6883

Economics 501.01: Intermediate Microeconomic Theory Winter 2008

This is an intermediate level microeconomics course. This course has essentially two goals. The first is to provide you with the basic tools necessary to tackle economic problems in a systematic way, and the second is to develop basic economic intuitions that can help you understand economic puzzles or policy problems. These two goals are inherently linked: the first provides a general framework to think about the world around us and the second develops intuitions from that framework. Those of you who intend to pursue further studies in economics will require the tools developed in this class for later course work, while those of you with only a casual interest in economics will, I hope, be able to use the intuitions from this course to make more sense of the world around you.

Required text

David Besanko and Ronald R. Braeutigam, *Microeconomics*, John Wiley & Sons, 3rd edition.

The textbook is available at the bookstore. The lecture will mainly follow the text, though I will cover substantial materials not contained in the book.

Grades

Your course grade will be computed as follows: 10% general class participation, 20% Homework, 30% Midterm Exam, and 40% Final Exam. I do, however, reserve the right to count the final exam more heavily for those who do exceedingly well on it. There will be weekly homework assignments, which will be graded by the course TA. No late homework will be graded. No make-up exam for the midterm will be given; Students who have a pre-approved excuse for missing the midterm will have the final exam counted for 70% of the grade.

Course Website

http://www.econ.ohio-state.edu/lixinye/Econ501

I will post important class announcements and teaching materials (lecture notes, homework, homework solutions) to this website. Please check this website regularly for updated class information.

Course TA information:

Wei Wang

Office: 389 Arps Hall

Office hours: Friday 11am - noon.

Tel: 614-292-2069

E-mail: wang.956@osu.edu

Course Outline (tentative)

1. Introduction (2 classes, Ch. 1-2)

Course overview, introduction to constraint optimization, equilibrium analysis, comparative statics analysis; demand and supply curves, market equilibrium, elasticity.

2. Consumer Theory (approx. 6 classes, Ch. 3-5)

Preferences, indifference curves, utility functions; budget lines; optimal consumer choices; demands; substitution and income effects.

3. Production and Cost Theory (approx. 4 classes, Ch. 6-8)

Neoclassical model of the firm, production functions, marginal and average products; return to scale; cost minimization, input demand, cost function; long-run vs. short-run; profit maximization.

4. Perfect Competition (approx. 2 classes, Ch. 9-10)

Perfect competition; short-run, long-run equilibrium; consumer surplus, producer surplus; applications: using the perfect competition model to analyze public policy interventions.

5. Imperfect Competition and Strategic Behavior (approx. 2 classes, Ch. 11, Ch. 14)

Monopoly; monopolistic competition; price discrimination; Introduction to oligopoly and game theory.

Students with disabilities that have been certified by the Office for Disabilities Services will be appropriately accommodated, and should inform the instructor as soon as possible of their needs.

Professor Lixin Ye

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Office hours: Thursday 1:30-3:30PM, 417 Arps Hall

e-mail: lixinye@econ.ohio-state.edu

Phone: 292-6883

Economics 501.02: Intermediate Microeconomics Spring 2008

This is a calculus-based intermediate course in microeconomics. This course has essentially two goals. The first is to provide you with the basic tools necessary to tackle economic problems in a systematic way, and the second is to develop basic economic intuitions that can help you understand economic puzzles or policy problems. These two goals are inherently linked: the first provides a general framework to think about the world around us and the second develops intuitions from that framework. Those of you who intend to pursue further studies in economics will require the tools developed in this class for later course work, while those of you with only a casual interest in economics will, I hope, be able to use the intuitions from this course to make more sense of the world around you.

Required text:

Walter Nicholson and Christopher Snyder, *Microeconomic Theory*, 10th edition, Thomson/Southwestern.

The textbook is available at the bookstore. The lecture will cover substantial material not contained in the book.

Grades:

Your course grade will be computed as follows: 20% Homework, 30% Midterm Exam, 50% Final Exam. I do, however, reserve the right to count the final exam more heavily for those who do exceedingly well on it. There will be 6 homework assignments, which will be graded by your TA. No make-up exam for the midterm will be given; students who have a pre-approved excuse for missing the midterm will have the final exam counted for 80% of the grade.

Course Website:

http://www.econ.ohio-state.edu/lixinye/Econ501.02

I will post important class announcements and teaching materials (lecture notes, homework, homework solutions) to this website.

Course TA:

Shinya Horie

Office Hour: Tuesday 9:30-10:30AM

Office: 321 Arps

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e-mail: horie.4@osu.edu Phone: 614-292-2087

Course Outline:

1. Introduction (approx. 2 classes, Nicholson-Snyder Ch. 1-2)

Course overview; introduction to constraint optimization, equilibrium analysis, comparative statics analysis; review of mathematical tools.

2. Consumer Theory (approx. 6 classes, Nicholson-Snyder Ch. 3-6)

Preferences; indifference curves; utility functions; budget constraints; optimal consumer choices; demands; market demand and elasticity; substitution and income effects.

3. Producer Theory (approx. 5 classes, Nicholson-Snyder Ch. 9-11)

Neoclassical model of the firm; production functions; marginal products; return to scale; cost minimization; input demand; cost function; long-run vs. short-run; profit maximization.

4. Perfect Competition (approx. 3 classes, Nicholson-Snyder Ch. 12)

Perfect competition; short-run, long-run equilibrium; consumer surplus, producer surplus; applications: using the perfect competition model to analyze public policy interventions (e.g., taxation, subsidy, price control, and quantity quota).

5. Imperfect Competition (approx. 1 classes, Nicholson-Snyder Ch. 14-15)

Monopoly; price discrimination; introduction to oligopoly and game theory.

Students with disabilities that have been certified by the Office for Disabilities Services will be appropriately accommodated, and should inform the instructor as soon as possible of their needs.

ECONOMICS 502.01 INTERMEDIATE MACROECONOMIC THEORY 06840-0 Winter, 2008 MW 10:30AM -12:10 PM

Smith Lab 3094

Professor Stephen McCafferty

Office Hours: MW, 12:20-1:20,

451 Arps Hall, 292-7122

and by appointment.

E-mail: mccaffer@economics.sbs.ohio-state.edu

Web Site: http://economics.sbs.ohio-state.edu/mccafferty/econ502/

Textbook: Abel / Bernanke / Croushore, Macroeconomics 6th ed., Addison Wesley, 2008.

Overview:

The aim of this course is to familiarize the student with key barometers of macroeconomic activity and to enable him/her to understand how these magnitudes are determined. The underlying purpose is twofold. First, we wish to provide students with an understanding and appreciation of how the economy in which they participate can function effectively. Secondly, we wish to enable the students to critically evaluate policy prescriptions advanced to improve the performance of the economy when it fails to function effectively on its own.

Grading Procedures:

The course grade will be determined primarily based on the student's performance on two midterm examinations and a final examination. The final examination will be comprehensive. Five homework sets will be assigned and graded. Answer sheets will be posted. No points will be awarded for homework sets turned in after answers have been posted. Absence from tests and the final exam result in a grade of zero unless you supply evidence of unusual circumstances (such as illness). The instructor will be the final arbitrator of what constitutes an acceptable circumstance. There will be no make-up exams. In the event of an excused absence for an exam, the scores of the other exams will be used to prorate the score on the missing exam. Additionally, a maximum of 20 points may be awarded as a reward for the positive externalities generated by attendance and participation.

Examination Schedule:

Midterm I:

Monday, January 28

Midterm II:

Monday, February 18

Final:

Thursday, March 13, 9:30-11:18 AM

Grading Weights:

Midterms:

100 points each.

Final:

120 points.

Homework Sets: 6 points each.

Attendence

20 points maximum.

Course Outline:

- 1. Introduction (Chapters 1, 2)
 The Study of Macroeconomics
 Macroeconomic Measurements
- 2. The Real Economy (Chapters 3, Sections 1-4, Chapter 4) Equilibrium in the Labor Market Equilibrium in the Goods Market
- Open Economy Macroeconomics (Chapter 5, Chapter 13, Section 1 only)
 Balance of Payments Accounting
 Saving and Investment in Open Economies
 Exchange Rates
- Money, Prices, and Exchange Rates (Chapter 7)
 Measurement
 Money Market Behavior and Money Market Equilibrium
 Money, Prices, and Inflation
- Business Cycles (Chapter 8, Sections 1-3)
 The Historical Record
 The Typical Business Cycle
- Real Business Cycle Theory (Chapter 10)
 A Typical Cycle in Theory
 The Role of Money in the Classical Model
 Real Business Cycle Theory and Business Cycle Facts
- 7. The IS-LM/AD-AS Model (Chapter 9)
 Equilibrium with pre-set Prices
 Prices and Aggregate Demand
 Short-Run and Long-Run Aggregate Supply
- Keynesian Business Cycle Theory (Chapter 11)
 Wage and Price Rigidity
 Policy in the Keynesian Model
 Keynesian Theory and Business Cycle Facts

Anyone who feels they may need an accommodation based on the impact of a disability should contact the instructor as soon as possible. I rely on the Office For Disability Services (292-3307) for assistance in verifying needs and developing accommodation strategies.

The Economics Department provides free tutoring services to students enrolled in ECON 200 and 201. The Economics Learning Center (ELC) is located in Arps 341, and is open Monday-Friday from 9:30-5:00. Other courses may be tutored when tutors have adequate experience and are available.

ECONOMICS 502.02 INTERMEDIATE MACROECONOMIC THEORY 06813-1

Spring, 2008 Smith Laboratory 3094 TR 1:30-3:10 PM

Professor Stephen McCafferty

Office Hours: TR, 12:20-1:20, and by appointment

451 Arps Hall, 292-7122

E-mail: mccaffer@economics.sbs.ohio-state.edu

Web Site: http://economics.sbs.ohio-state.edu/mccafferty/econ502.02/

Textbook:

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Charles I. Jones, Macroeconomics, W. W. Norton 2008.

Overview:

The basic aim of this course is to familiarize students with key barometers of macroeconomic activity and to enable them to understand how these magnitudes are determined. First, we will study how macroeconomic indicators are measured. Second, we will study models of economic growth which describe the long-run behavior of the economy. Last, we will study models of business cycles. Such models hope to explain deviations of the economy from its long-run path.

Mathematical Prerequisites

Students in this class are expected to have successfully taken the Math 130, 131, 132 sequence, the Math 151, 152, 153 sequence, or equivalent. These courses cover, among other topics, applications of derivatives, maxima and minima, and functions of several variables.

Grading Procedures:

The course grade will be determined primarily based on the student's performance on two midterm examinations and a final examination. The final examination will be comprehensive. Five homework sets will also be assigned and graded. Answer sheets will be posted. No points will be awarded for homework sets turned in after answers have been posted. Absence from tests and the final exam result in a grade of zero unless you supply evidence of unusual circumstances (such as illness). The instructor will be the final arbitrator of what constitutes an acceptable circumstance. There will be no make-up exams. In the event of an excused absence for an exam, the scores of the other exams will be used to prorate the score on the missing exam. Additionally, a maximum of 20 points may be awarded as a reward for the positive externalities generated by attendance and participation.

Examination Schedule:

Midterm I:

Tuesday, April 15

Midterm II:

Thursday, May 8

Final:

Monday, June 2, 1:30-3:18 PM

Grading Weights:

Midterms:

100 points each.

Final:

120 points.

Homework Sets:

6 points each.

Attendance:

20 points maximum.

COURSE OUTLINE

1. Introduction (Chapters 1-2)

The Study of Macroeconomics Macroeconomic Measurements

2. Economic Growth (Chapters 3-6)

Mathematical Preliminaries

A Model of Production

The Solow Growth Model

The Romer Growth Model

3. Business Cycle Analysis (Chapters 7-12)

Overview of Unemployment and Inflation

The Short-run Model

The IS Curve

Monetary Policy and the Phillips' Curve

Stabilization Policy

Anyone who feels they may need an accommodation based on the impact of a disability should contact the instructor as soon as possible. I rely on the Office for Disability Services (292-3307) for assistance in verifying needs and developing accommodation strategies.

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