My name is Bill Horrace, and I am the new Chair of the Economics Department. I completed my Ph.D. in economics in 1996 at Michigan State University, and after a short stint at University of Arizona I came to Syracuse University in 2002. Before studying economics at MSU (Go Spartans!) I was an electrical engineer at Westinghouse Electric in Baltimore, MD, where I designed motor drives for nuclear submarines. Back then, I would listen to National Public Radio on my drive to work and was always fascinated by the economists that they had on the air. They had interesting things to say about capital and labor markets, government spending programs and taxes, and public policy in general. Even though I knew a lot about electrons and circuit boards, I understood little about human behavior and the functioning of markets, so I decided to pursue a Ph.D. in economics. Best decision of my life (aside from marrying my wife, Toni).

While a graduate student, I found my comparative advantage was in mathematics and statistics, so I decided to study econometrics, which is "the application of mathematics, statistical methods, and, more recently, computer science, to economic data and is described as the branch of economics that aims to give empirical content to economic relations."¹ I enjoy econometrics, because it involves mathematical rigor (which I really love), and because it can be broadly applied to a variety of fields within and outside the economic discipline. In addition to theory, I have used my econometrics training to study labor markets in Korea, crab fishermen in Alaska, Himalayan mountain guides, Syracuse police, Indonesian rice farmers, US truck accident rates, childcare providers in Delaware, and reptile populations in the Arizona desert. I am currently the statistics director for a sponsored project at Syracuse University that improves our understanding of US medical markets, using a massive database of private health insurance claims. All these projects are very exciting, and I owe it all to my econometrics training.

Econometrics is an important quantitative tool for analyzing the effects of current government policy and informing future policies. Read any paper with a quantitative analysis of a public policy initiative, and beneath it all are sophisticated econometric techniques. How do changes in sales tax affect cigarette consumption? How do tighter drunk driving laws affect accident...

rates? What caused the housing bubble and why did it burst? If you have the appropriate data, then econometrics is the tool to get you the answers you seek.

Our department currently offers an undergraduate econometrics sequence: ECN 521 and 522, which is required of all BS students in economics. We also often offer a topics course in econometrics for our BA majors. It is an elective course, and we are currently in the process of regularizing it as ECN 422. In addition to "yours truly" we have other econometricians in the department who staff our econometrics courses at both the undergraduate and graduate levels: professors Baltagi, Kao, Lee and Ondrich. Our undergraduate econometrics courses are also taught by applied economics faculty: professors Engelhardt and Singleton.

I am pleased to be the new Chair of the Economics Department and am proud of the accomplishments of our faculty and students. Our courses are the most popular in the Maxwell School and among social science disciplines in the College of Arts and Sciences. We have a wonderful staff in 110 Eggers Hall, who are happy to answer your questions about pursuing graduate or undergraduate studies in economics.

Welcome new faculty . . .

Yoonseok Lee
Assistant Professor of Economics

I was born in Korea and I went to Seoul National University for my undergraduate study. I got my Ph.D. in economics at Yale University in 2006. Before joining Syracuse, I was an Assistant Professor of Economics at the University of Michigan, Ann Arbor.

My primary research interest is in econometric theory as well as applied econometrics. For econometric theory, my research focuses on semiparametric/nonparametric (dynamic) panel data models, treatment effect in panel data, many (weak) instrumental variables problems, and model selection in high dimensional models. For applied topics, I use semiparametric/nonlinear panel data models to study cross country growth, environmental Kuznets curve, motorcycle helmet use regulation, smoking during pregnancy, medical treatment effects, crime and inequality, and the relation between exporting and firm stock market value. As more policy-oriented topics, I am also interested in social interaction models and spatial dependence, and income distribution and polarization.

I am teaching statistics and econometrics at both undergraduate and graduate levels. I enjoy music and I have been singing in various choirs since my college days.
Welcome new faculty . . .

Abdulaziz Shifa
Assistant Professor of Economics

I received the Ph.D. from the Institute for International Economic Studies, Stockholm University. I also studied at MIT, Copenhagen University and Addis Ababa University. My research interest includes macroeconomics, economic growth, political economy and development. This fall, I am teaching the graduate macro course, ECN 613. In the Spring 2014, I will teach the intermediate macro, ECN 302.

I find the vibrant research environment at SU very attractive. The beautiful nature around Syracuse is something I am excited about. I also look forward to trying some winter sports.

Syracuse University Economics Club
Fall Semester News

As many of you know, the Economics Club kicked off the semester with a Barbeque. Then, at the club’s second event of the semester, three students gave presentations and held a Q/A on the value of internships as professional development opportunities. We would like to thank Jason Constantouros, Jose Diaz and Joelisa Hilario for speaking to the Economics Club and offering advice. Also, thanks to those of you who attended our first two Economics Club events of the semester.

Another one of our accomplishments this semester has included branching out as an organization. In September, the Executive Board successfully completed the application process to register as an on campus organization. Starting in spring 2014, the Economics Club will be officially recognized by the SA. This recognition helps the club gain more resources and opportunities for our members. We’re also hoping to use this opportunity to promote club events across the SU community (e.g. tabling at the club fair, renting event spaces, and representation in the SA) and work with other groups to widen our horizons.

Finally, we hope that you will all attend our upcoming seminar on November 12th at 6 pm in Eggers 112. With registration coming fast, the Executive Board members will be there to offer advice on which classes you should take and what will most likely fit work best with your future careers.

We hope to see you all there!

--The Executive Board
Networking Night for Economics Majors
Find out why employers want to hire economics majors!

The Economics Department has partnered with SU Career Services to hold a Networking Night for Economics Majors. The event is held each semester and offers economics majors the opportunity to meet with employers and learn about career and internship opportunities specific to the economics major.

Since its start last fall, Networking Night has been a big success and has continued to grow each semester. Representatives from seventeen employers participated at the most recent Networking Night on October 1st. The list of employers were JPMorgan Chase & Co, Bloomberg, IBM Corporation, Quicken Loans, Geico, Macy’s, Burlington Coat Factory, C&S Wholesale, Geico, IDEA, Locations, Etc., Mountbatten Institute, Prudential, SEO Career Program, TJX Companies, and US Navy.

Nearly 100 economics students attended the networking event in October. The feedback from students in attendance was overwhelmingly positive, as many students made invaluable connections with potential employers. We are currently in the process of planning the next event for the spring semester of 2014. Watch for emails and flyers advertising the event! …

A special thanks to Maureen Eastham (Economics Department) and Sue Casson (SU Career Services) for all of their planning to make Networking Night such a huge success!
Opportunities for Economics Students

A Message from Career Services

Check out the following upcoming events, information sessions, job/internship and other opportunities:

**Upcoming Events**

11/4 – Business Smarts for Sciences & Arts: Making the Most of Your Major –
6:00 p.m. – 7:30 p.m., 500 Hall of Languages
Representatives from ESPN, Food Bank of CNY, JPMorgan Chase, Eric Mower and Associates, FinishLine and more will talk about identifying transferable skills desirable in the workforce and how arts and sciences students can market these skills to multiple industries.

11/12 – Business Smarts for Sciences & Arts: Consulting – What is it?!
5:30 p.m. – 7:00 p.m., 228B Schine Student Center
Curious what it means to be a consultant? Two SU alumni who started their careers at a global consulting firm share their personal stories, describe the day-to-day responsibilities of a consultant, and offer tips to help you launch your consulting career.

**Upcoming Information Sessions and Meet & Greets**

11/7 – Student Conservation Association – 5:00 p.m. – 6:00 p.m. - 241 Sims
11/13 – Dulye Leadership Experience – 2:00 p.m. – 3:30 p.m. – 320 Hall of Languages
11/13 – Peace Corps – 5:30 p.m. – 7:30 p.m. – 107 Hall of Languages

**Upcoming Deadlines - Job/Internship Postings**

*FULL-TIME*

McGladrey Inc. – Consulting Associate, Technology Strategy & Advisory Services- Deadline Nov. 4th (Job ID 55155)
The Financial Clinic – Financial Fellow – Deadline Nov. 6th (Job ID 54887)
Toys R Us – Merchandise Planning & Allocation Trainee- Deadline Nov. 8th (Job ID 54654)
MDRC – Research/Management Associate – Deadline Dec. 2nd (Job ID 55092)
Vanguard Group – Fund Financial Associate – Deadline Dec. 31st (Job ID 54499)

*INTERNSHIPS*

EMC – Business Operations Internship – Deadline Nov. 1st (Job ID 54400)
Abercrombie & Fitch – Leadership Development Internship – Deadline Nov. 14th (Job ID 55178)
Morgan Stanley – 2014 Fixed Income & Commodities Summer Analyst Program – Deadline Nov. 17th (Job ID 55010)
Other Opportunities

**Winston Fisher Seminar** – Deadline Nov. 7th (Job ID 54469)
Spend 2014 Spring Break in Manhattan! Your “classroom” will be located on Park Ave where you will meet successful business people working in diverse sectors, most of whom are Arts & Sciences alumni. The Winston Fisher Seminar, “Business and the Liberal Arts,” is an all-expenses paid experience.

**Bridge to Business: NYC Immersion Experience** – Deadline Nov. 17th (Job ID 55256)
The Bridge to Business program is an opportunity for students with non-business majors to explore the corporate sector in NYC. Students will gain valuable advice from hiring managers and SU alumni to help leverage their degrees and market their skills. Confirmed employer visits include: AOL, EY (Ernst & Young), GroupM, JPMorgan Case, Macy’s, Madison Square Garden, and Teach for America.

The Dulye Leadership Experience (DLE) offers career development for college students...boot camp style. This full scholarship, professional development program for juniors and seniors is staffed by a diverse team of corporate leaders and entrepreneurs. Through engaging, hands-on direct learning, students learn how to get the attention of hiring managers, excel in their communication, and quickly integrate in the workplace.

Follow Career Services on Twitter and Facebook for other job opportunities and updates! **REMEMBER** – all of these and MORE can be found on OrangeLink! You can access OrangeLink through your MySlice account – under ‘Career Services.’ OrangeLink is an online database of job & internship opportunities employers have shared with us.
Spend Your Spring Break 2014 in Manhattan
(while earning one credit hour)
All Expenses Paid Winston Fisher Seminar Opportunity

College of Arts and Sciences students pose in the conference room with Winston Fisher. They spent their spring break in Manhattan at the eighth annual Winston Fisher Seminar. Named for the philosophy major-turned-real estate partner/philanthropist, the seminar provided hands-on training in critical thinking, problem solving, and effective communication in a business setting. Winston Fisher ’96 is a member of SU’s Board of Trustees and the College of Arts and Sciences Board of Visitors.

The College of Arts and Sciences is excited to offer the ninth annual Winston Fisher Seminar during the week of Spring Break 2014. Through the foresight and generosity of one of our alumni--Winston Fisher ’96 (Philosophy)--12 to 15 students will travel to Manhattan for Spring Break 2014 to experience the liberal arts in action. Your "classroom" will be located on Park Avenue where you will meet successful business people working in diverse sectors, most of whom are Arts and Sciences alumni. Students also participate in three on-campus mandatory classes with required readings. For our juniors and seniors (with expected graduation dates of May 2014 - May 2015) this will be a resume-enhancing experience that will increase your knowledge about, and confidence in, the job search process. You will experience firsthand the value of your degree in today's marketplace. A cash prize of $500.00 is awarded for the winning business plan.

The Winston Fisher Seminar, "Business and the Liberal Arts," is an all-expenses paid experience which includes the cost of travel between Syracuse and New York City, travel within New York City, lodging, meals, supplies, and events. Students will be eligible to earn one credit hour (pass/fail) if they complete all requirements for the course.

Go to the Winston Fisher Seminar website for the 2014 application, program description and to view a slideshow of past year's seminars in NYC.

All application materials must be received in 300 Hall of Languages by Friday, November 8, 2013. In the meantime, feel free to contact me with any questions.

This is a wonderful opportunity that we hope you consider exploring. Thank you.

Kathryn Zubal-Strang
309 Hall of Languages t 315.443.8289 e khubal@syr.edu
The JoAnn Heffernan Heisen award is given annually to recognize the academic contributions of an outstanding graduating senior in Economics. The recipient’s name will be engraved on a plaque in the Department office, the award will be included in commencement materials, and the recipient will receive a $500 prize.

Graduating seniors are eligible if nominated by a member of the Economics faculty. Selection will be based on the nominating letter, academic performance in all courses counted toward the major, a writing sample, and, if relevant, participation in an economics research project (such as a class project, internship, honors thesis, or independent study). We will be sending a letter describing the award to all seniors during the Spring term.

The award honors not only the recipient, but also JoAnn Heffernan Heisen, who earned a B.A. in Economics from Syracuse University in 1972 and did graduate work at New York University. She served as Vice President and Chief Information Officer of Johnson & Johnson and as Chief Global Diversity Officer of The Vanguard Group. She serves as a director of the University Medical Center at Princeton and the Women's Research and Educational Institute. Ms. Heisen serves as a member of the Maxwell School Advisory Board and received the University's Distinguished Alumni Award in 1994.

Congratulations to the 2013 JoAnn Heffernan Heisen Award Winners
Samuel L. Giber and Benjamin W. Hatch

Left to Right: Professor Perry Singleton, Benjamin W. Hatch, Samuel L. Giber,
Professors Chihwa Kao and Elizabeth Ashby
Newest Members!!

At our Spring Induction Dinner last April we inducted 43 new members into Omicron Delta Epsilon. Congratulations!!!

Habib F. Alamir
Jideofor Anene
Aaron Bellack
Linley Block
Joseph Bubniak
Tian Xiong Chu
Charles Cornbrooks
Mallory Crowley
Yue Da
Taylor Damele
Jonathan Galli
Samuel D. Gass
Samuel L. Giber
Igor Gitstein
Xinyi He
Shawn Jang
Lewis Kelley
Soyoung Kim
Wai Kit Lam
Travis Lawson
Olevia Mitchell
Joshua Nadler
Lauren Ottaviano
Srikant Ramarao
Andrew Riess
Graham Rogers
Michael Schwemmer
Boyu Shi
Mark Sissons
Duane So
Zehao Song
Stephen Sydor
Harrison Taylor
Xin Tian
Joseph Smeeding
Kathryn Trengali
Hou Yeoun Uk
Samantha Weidman
Ke Xu
Ross Yager
Star Zhang
Liwei Zhu

ODE Members with their Honors Society sashes, distinguishing them at graduation ceremonies.

Row 1: Mike Schwemmer, Travis Lawson, Soyoung, Kim, Duane So
Row 2: Joshua Nadler, Andrew Riess, Samantha Weidman, Sam Giber
Row 3: Mallory Crowley, Xin Tian, Joe Bubniak, Timothy Larach
Row 4: Ben Hatch, Aaron Bellack, Mark Sissons, Tian Xiong Chu, Habib Alamir, Shawn Jang
Row 5: Dominec Anene, Joe Smeeding, Jonathan Galli, Charles Cornbrooks, Harrison Taylor, Graham Rogers
ODE Qualifications

Outstanding students in economics are invited to become lifetime members in the Omicron Delta Epsilon international honor society. The society exists to form a community of economists across countries. Membership is based on scholarly achievement and is recognized worldwide. Criteria for selection for the ODE Honor Society include:

- Declared Economics major;
- Junior or senior standing;
- Overall GPA of 3.2 or higher;
- Successful completion of ECN 301 (or 311) and 302;
- Successful completion of at least two upper division ECN courses (300 level or above), excluding ECN 301, 302, 311, 365, and 470;
- Economics GPA of 3.2 or higher (calculated from course work taken to date in intermediate theory courses and upper-division economics electives).

The Economics Department reviews majors’ files each fall and spring semester. Those students meeting the above criteria are invited to join ODE. Students who feel they meet the criteria may also contact the Department.

2013 Economics Distinction Graduates

As part of the Economics Distinction Program, six seniors presented their undergraduate thesis research during a special seminar. Students benefitted from comments provided by SU faculty and other Economics students. Pictured here after the presentations are (left to right) Professor Perry Singleton, Benjamin Hatch, Alexander Curthoys, Joseph Smeeding, Brenden Dunham, Samuel Giber and Joseph Andrade.
<table>
<thead>
<tr>
<th>COURSES</th>
<th>Spring 2014</th>
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<tbody>
<tr>
<td>ECN 203 Economic Ideas &amp; Issues</td>
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<td>ECN 301 Intermediate Microeconomics</td>
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<td>ECN 302 Intermediate Macroeconomics</td>
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<td>ECN 304 Economics of Social Issues</td>
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<td>ECN 310 Economics of Personal Finance</td>
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<td>ECN 311 Intermediate Mathematical Microeconomics</td>
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<td>ECN 365 The World Economy</td>
<td>X</td>
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<td>ECN 410 Introduction to Statistics and Econometrics</td>
<td>X</td>
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<td>ECN 421 Game Theory &amp; Economic Strategy</td>
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<td>ECN 437 Environmental &amp; Resource Economics</td>
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<td>ECN 451 Labor Economics</td>
<td>X</td>
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<td>ECN 465 International Trade Theory &amp; Policy</td>
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<td>ECN 481 Intro Money and Banking</td>
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<tr>
<td>ECN 496 Distinction Thesis Seminar in Economics II</td>
<td>X</td>
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<td>ECN 505 Mathematical Economics</td>
<td>X</td>
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<td>ECN 510 Financial Econometrics</td>
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<td>ECN 510 Program Evaluation</td>
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<td>ECN 510 International Macroeconomics &amp; Finance</td>
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<td>ECN 521 Economic Statistics</td>
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<td>ECN 522 Econometric Methods</td>
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**Are you aiming for a BS, as opposed to a BA, in Economics?**

Then make plans to fit the following courses into your plan of study for the BS:

- ECN 311 (instead of 301), 505, 521, 522; MAT 295, 296.

See [http://www1.maxwell.syr.edu/econ.aspx](http://www1.maxwell.syr.edu/econ.aspx) for more info on the BA vs BS.
### Extra Office Hours

**Major Advisors – Fall 2013**

To become an economics major or to discuss your program of study, see the chart below.

*Look for the initial of your last name and the corresponding professor’s office hours and room location*

<table>
<thead>
<tr>
<th>Your Last Initial</th>
<th>Advisor</th>
<th>Room No./Phone</th>
<th>Email Address</th>
<th>Office Hours</th>
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<tbody>
<tr>
<td>A - B</td>
<td>Piyusha Mutreja</td>
<td>119 Eggers -- 8440 <a href="mailto:pmutreja@maxwell.syr.edu">pmutreja@maxwell.syr.edu</a></td>
<td>T TH 9:45-10:45 T 3:20-4:20 <strong>Extra Office Hours:</strong> By Appt.</td>
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<td>C - G</td>
<td>Peter Wilcoxen</td>
<td>426 Eggers -- 0268 <a href="mailto:wilcoxen@maxwell.syr.edu">wilcoxen@maxwell.syr.edu</a></td>
<td>T TH 1:30-3:00 <strong>Extra Office Hours:</strong> M 11/4, 11/11 1:30-3:00 F 11/8, 11/15 1:30-3:00</td>
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<td>H – K</td>
<td>Susan Gensemer</td>
<td>311 Maxwell -- 2294 <a href="mailto:gensemer@maxwell.syr.edu">gensemer@maxwell.syr.edu</a></td>
<td>M W 11:15-12:15 <strong>Extra Office Hours:</strong> M 11/4, 11/11 10:15-11:15 W 11/6, 11/13 10:15-11:15</td>
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<td>L - O</td>
<td>Jeffrey Weinstein</td>
<td>426 Eggers -- 9046 <a href="mailto:jmwein04@maxwell.syr.edu">jmwein04@maxwell.syr.edu</a></td>
<td>MW 10:00-11:00 <strong>Extra Office Hours:</strong> By Appt.</td>
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<tr>
<td>P - S</td>
<td>Inge O’Connor</td>
<td>110E Eggers -- 9311 <a href="mailto:iwoconno@maxwell.syr.edu">iwoconno@maxwell.syr.edu</a></td>
<td>M 9:00-12:00 <strong>Extra Office Hours:</strong> M 11/11 12:00-3:00 W 11/6 10:00-12:00</td>
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<tr>
<td>T – Z</td>
<td>Jerry Kelly</td>
<td>312 Maxwell -- 2345 <a href="mailto:jskelly@syr.edu">jskelly@syr.edu</a></td>
<td>M 2:00-4:00 W 2:00-3:00 <strong>Extra Office Hours:</strong> M 11/4, 11/11 1:00-2:00 W 11/6, 11/13 1:00-2:00</td>
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<tr>
<td><strong>Undergraduate Director</strong></td>
<td>Elizabeth Ashby</td>
<td>110E Eggers -- 1354 <a href="mailto:eakerste@maxwell.syr.edu">eakerste@maxwell.syr.edu</a></td>
<td>W 9:00-12:00 <strong>Extra Office Hours:</strong> M 11/4, 11/11 9:30-12:00</td>
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Appointments can be made to see these advisors outside of their regularly scheduled office hours.

In addition to the faculty members above, information about the economics major can be obtained from the department and the department website (http://www.maxwell.syr.edu/econ/undergraduate.htm). Sue Lewis, the Department’s Assistant to the Chair, is also available to assist you. The department staff, Maureen Eastham, Patricia Stach and Laura Sauta can provide you with printed information about the major. Sue, Maureen, Patricia and Laura are located in 110 Eggers Hall during regular working hours.

If you want to speak to the department chair, you can reach him in the same office. Ask for William Horrace, Professor and Chairman, Department of Economics, 110 Eggers Hall, ext. 3612.
ECN 203, Economic Ideas & Issues
Foundation of modern Western economic thought. The model economists have built on this foundation as applied to current issues facing individuals and society.

Open to all
ECN 203, Sec. 001, Ref. No. 82420, Prof. Dutkowsky, MWF, 8:25-9:20
ECN 203, Sec. 002, Ref. No. 33364, Prof. Liu, MW, 2:10-3:35
ECN 203, Sec. 003, Ref. No. 37105, Prof. Ashby, TTH, 9:30-10:50
ECN 203, Sec. 015, Ref. No. 34296, Prof. Liu, MW, 3:45-5:05

Freshmen only register for the associated lab and the section will auto enroll
ECN 203, Sec. 004, Ref. No. 33366, Prof. Ashby, TTH, 12:30-1:50 (Freshmen - Lab required)

   ECN 203, Sec. 005, Ref. No. 33368, W, 5:15-6:05 (Lab)
   ECN 203, Sec. 006, Ref. No. 33370, T, 5:00-5:55 (Lab)
   ECN 203, Sec. 007, Ref. No. 33590, W, 5:15-6:05 (Lab)

ECN 203, Sec. 008, Ref. No. 33592, Prof. Ashby, TTH, 11:00-12:20 (Freshmen - Lab required)

   ECN 203, Sec. 009, Ref. No. 33594, T, 5:00-5:55 (Lab)
   ECN 203, Sec. 010, Ref. No. 33372, W, 5:15-6:05 (Lab)
   ECN 203, Sec. 011, Ref. No. 33374 W, 5:15-6:05 (Lab)

Sophomores, Juniors, and Seniors only register for sections 012 or 013
ECN 203, Sec. 012, Ref. No. 33376, Prof. Ashby, TTH, 12:30-1:50 (Sophomores, Juniors, Seniors)
ECN 203, Sec. 013, Ref. No. 33378, Prof. Ashby, TTH, 11:00-12:20 (Sophomores, Juniors, Seniors)

ECN 301, Intermediate Microeconomics
Concepts and tools for the analysis of the behavior of consumers and firms, consumption decisions, market structures, and general equilibrium. Pricing, production, purchasing, and employment policies. Credit is given for either ECN 301 or ECN 311.
Prereq: ECN 203 or equivalent; quantitative skills requirement of the liberal arts core recommended.

ECN 301, Sec. 001, Ref. No. 32223, Prof. O'Connor, TTH, 11:00-12:20
ECN 301, Sec. 002, Ref. No. 33602, Prof. O'Connor, TTH, 12:30-1:50
ECN 301, Sec. 004, Ref. No. 33604, Prof. O'Connor, TTH, 9:30-10:50
**ECN 302, Intermediate Macroeconomics**
National product and income concepts, measurements and relationships; interrelationships of the major segments of the national economy; forces affecting the general level of economic activity. Prereq: ECN 203 or equivalent; quantitative skills requirement of the liberal arts core recommended.

ECN 302, Sec. 001, Ref. No. 22229, Prof. Shifa, TTH, 9:30-10:50
ECN 302, Sec. 002, Ref. No. 33606, Prof. Ondrich, TTH, 12:30-1:50
ECN 302, Sec. 003, Ref. No. 32235, Prof. Paz, MW, 8:00-9:20
ECN 302, Sec. 004, Ref. No. 81228, Prof. Shifa, TTH, 2:00-3:20

**ECN 304, Economics of Social Issues**
Please note: this was previously an ECN 310 special topics numbered class. Credit only given one time for either ECN 310 Social Issues or ECN 304 Social Issues

Application of the economic tool kit developed in introductory economics classes to current issues facing society. Topics include but are not limited to: market failure (the environment, drugs); price control issues (farm policy, rent control, minimum wage); health issues (health care, Medicare, Medicaid, prescription drugs); and other social issues (poverty, discrimination, social security.

Prereq: ECN 203.

ECN 304, Sec. 001, Ref. No. 37110, Prof. Liu, MW, 12:45-2:05

**ECN 310, Special Topics in Economics**
ECN 310, Sec. 002, Economics of Personal Finance, Ref. No. 40276, Prof. Dutkowsky, MWF, 10:35-11:30

This college course covers essential aspects of consumer personal finance, including record keeping, budgeting and income statements, banking, saving, borrowing, using credit, investing, acquiring insurance, doing taxes, and planning for retirement and end-of-life considerations. Students will learn important institutional facts about different types of bank deposits; mutual funds; bonds, including US Savings Bonds; stock; mutual funds; loans, including credit cards and fixed and adjustable rate mortgages; retirement accounts, such as Individual Retirement Accounts and 401 (k) plans; tax deductions and credits; and aspects of health, property, and life insurance.

Coverage of this institutional personal finance material will be framed within basic fundamentals of economic and financial analysis. This conceptual basis gives students a framework for evaluating and applying to their financial planning new innovations or changes in financial products over time. Overall, the course helps to provide a foundation for students to make informed and reasoned choices with regard to financial decisions over their professional and personal lives.

**ECN 311, Intermediate Mathematical Microeconomics (B.S.)**
This course covers the same materials as covered in ECN 301, but the presentation is more mathematical. Credit is not given for both ECN 301 and 311.

Prereq: ECN 101 or 203 or 109 (Honors) and MAT 284 or 285 or 295; or permission of instructor.

ECN 311, Sec. 001, Ref. 33610, Prof. Liu, MW, 8:00-9:20
ECN 365, The World Economy
Non-technical introduction to analysis of international economic issues. Protectionism, the multi-national firm, the debt crisis, international macroeconomic policy coordination, and European integration. This course may not be used to fulfill the upper division elective requirement for the economics major.
Prereq: ECN 101, 102 or 203 or ECN 109.

ECN 365, Sec. 001, Ref. No. 31489, Prof. Buzard, MW, 8:00-9:20

ECN 410, Topics in Economic Applications
ECN 410, Sec. 004, Introduction to Statistics and Econometrics, Ref. No. 35638, Prof. Singleton, TTH, 2:00-3:20

Elementary theory of probability and statistical inference for economics. Estimation of parameters in regression models for economic data. This course is not a substitute for ECN 521 and 522. Quantitative skill requirements of the liberal arts core and ECN 203 are required.

ECN 421, Game Theory & Economic Strategy
Please note: this was previously an ECN 410 special topics numbered class. Credit only given one time for either ECN 410 Game Theory & Economic Strategy or ECN 421 Game Theory & Economic Strategy
Many economic problems involve the behavior of individual economic agents (e.g., utility maximization and profit maximization). However, most agents do not act in isolation; the choices made by one agent typically have an effect on the decisions and outcomes of others. Game theory is the analysis of such strategic settings. This course will teach concepts that are useful in predicting how agents behave in strategic situations. The focus of the course will be on the applications of these tools to examples in economics and other areas.
Prereq: MAT 284 or MAT 285 or MAT 295 and ECN 301 or ECN 311.

ECN 421, Sec. 001, Ref. No. 37115, Prof. Weinstein, MW, 12:45-2:05

ECN 437, Environmental & Resource Economics
Please note: this was previously an ECN 410 special topics numbered class. Credit only given one time for either ECN 410 Environmental & Resource Economics or ECN 437
Environmental & Resource Economics
Optimal use of exhaustible and renewable resources and pollution. Examines energy sources, environmental amenities and water. Pollution control policies examined include emissions taxes, tradable permits, direct regulation, subsidies, and negotiation. Valuing environmental quality and other non-marketed goods; risk assessment, hedonic pricing and contingent valuation.
Prereq: ECN 301 or ECN 311.

ECN 437, Sec. 001, Environmental & Resource Economics, Ref. No. 81229, Prof. Wilcoxen, MW, 3:45-5:05
**ECN 451, Labor Economics**
Contemporary theories and issues of public policy concerning labor supply and demand, wage determination, disincentive effects of public transfer payments (e.g. welfare) unemployment, human capital, and unions. Prereq: ECN 301 or 311.

ECN 451, Sec. 001, Ref. No. 81230, Prof. Kubik, TTH, 2:00-3:20

**ECN 465, International Trade Theory & Policy**
Economic causes and consequences of international trade. Models of trade, gains from trade, tariffs and other controls on trade, and international institutions guiding the trading systems. Prereq: ECN 301 or 311.

ECN 465, Sec. 001, Ref. No., 37136, Prof. Mitra, TTH, 2:00-3:20

**ECN 481, Introduction to Money and Banking**

ECN 481, Sec. 001, Ref. No. 33308, Prof. Dutkowsky, MWF, 11:40-12:35

**ECN 496, Undergraduate Thesis Seminar II**
This seminar is open only to Economics Distinction students. In the fall semester, its goal is to orient students to professional economics research and to guide them as they define and begin their thesis projects. In the spring semester, thesis writers present their ongoing research, constructively engage the work of other honors students, and work in close cooperation with a faculty mentor to complete their research. Prereq: Permission of instructor.

ECN 496, Sec. 001, Ref. No. 34300, Prof. Singleton, TTH, 5:00-6:20

**ECN 505, Mathematical Economics**
Introduction to use of basic mathematical techniques in economic analysis. Prereq: MAT 284 or 286 or 296 and ECN 301 or 311.

ECN 505, Sec. 001, Ref. No. 33150, Prof. Ondrich, TTH, 11:00-12:20

**ECN 510, Special Topics**
ECN 510, Sec. 001, Financial Econometrics, Ref. No. 36148, Prof. Kao, TTH, 2:00-3:20

The aim is to introduce the students to the econometric analysis of financial data, with a particular interest in the application of asset pricing models to risk control. The analysis of real financial data will be an essential component of the course. Prereq: ECN 521 required.

ECN 510, Sec. 002, Program Evaluation, Ref. No. 38499, Prof. Engelhardt, TTH, 11:00-12:20

This course introduces students to the economic and statistical methods used in program evaluation and field experiments, important tools in empirical policy analysis in health, development, labor, urban, and public economics. The course will begin with the analysis of randomized controlled trials, the gold standard in evaluation. These experiments randomly assign
treatment status across subjects to generate treatment and control groups that form the basis for
the impact analysis. Then the course will move on to consider applications and methods
appropriate for quasi- and natural experiments, i.e., analysis of impacts for programs or policies
that are not implemented with random assignment, but nonetheless generate well-defined
treatment and control groups. There will be emphasis on the application of methods to a variety
of policies and field experiments drawn from many areas of economics and public policy.
Prereq: ECN 521 or the equivalent, or the permission of the instructor.

ECN 510, Sec.003, International Macroeconomics & Finance, Prof. Brown, W, 9:30-12:15

Monetary, fiscal, and regulatory consequences of mushrooming international financial markets
including equities, bonds and other securities, commodity and options contracts, and bank
deposits and loans. PAI 716 or ECN 602 prerequisite and permission of instructor required.

ECN 521, Economic Statistics
Statistical methods applied to economics. Conventional descriptive statistics, conceptual and
measurement problems peculiar to economics. Analytical statistics, including time-series
analysis, elementary theory of probability and statistical inference, correlation and regression
analysis. Nonparametric methods. This course is not suitable for students who have taken six
credits of statistics to fulfill their quantitative skills requirement.
Prereq: Completion of liberal arts quantitative skills.

ECN 521, Sec. 001, Ref. No. 33152, Prof. Engelhardt, TTH, 9:30-10:50

ECN 522, Econometric Methods
Statistical procedures. Problems of estimating parameters in regression models of economic
behavior.
Prereq: ECN 521 or equivalent and ECN 301 or 311; or permission of instructor.

ECN 522, Sec. 001, Ref. No. 34302, Prof. Engelhardt, TTH, 12:30-1:50
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<tr>
<th>Professor</th>
<th>Office Location</th>
<th>Office Phone</th>
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Seniors in The College of Arts and Sciences . . .

*(other seniors – please check with your respective college recorders)*

Senior Check

Check with your college Recorder to see that your major(s) or minor(s) are officially declared and correctly noted on your record. If you are no longer pursuing a listed major or minor, please make sure that it is deleted from your record.

Major Requirements

Prior to making your Senior Check appointment, we strongly encourage you to check with your major advisor(s) to insure that you are on track for graduation within your major(s). During your Senior Check, the Student Records Office will determine remaining core requirements, overall credits and general University requirements. *The Records office will not confirm the completion of your major until the degree certification process which occurs at the end of your college career.*

Program(s) of Study

Check with your college Recorder/Academic Advisor to see that your major(s) and or minor(s) requirements have been fulfilled. If you are no longer pursuing a listed major or minor, please make sure that it is deleted from your record.

B.S. Petitions

If you plan on receiving a B.S. degree in Economics, The College of Arts & Sciences requires that you complete the Petition for B.S. form. This form can be found at the Economics Department website: [http://www.maxwell.syr.edu/econ.aspx?id=77309414772](http://www.maxwell.syr.edu/econ.aspx?id=77309414772) or the College of Arts and Science website: [http://thecollege.syr.edu/students/undergraduate/advising_academic_support/academic_forms.html](http://thecollege.syr.edu/students/undergraduate/advising_academic_support/academic_forms.html). Economic students should bring it to the Economics Department, 110 Eggers Hall for completion.
Transfer Credits
Check with your College Recorder/Academic Advisor to make sure that the official transcripts of all credit you intend to have included toward your degree have been received and evaluated.

Incompletes
All coursework must be completed and handed in prior to graduation dates:
December 2013 grads – work due by December 13th
May 2014 grads – work due by May 7th
August 2014 grads – work due by August 8th
Work completed after the above dates automatically changes your graduation date. Make sure your professors agree to the latest date of completion.

Diplomas
Diplomas are mailed to the address entered on the Diploma Request link in MySlice. When an undergraduate student attains Junior standing (54 credits or more), the File Diploma Request link becomes available under Student Services in MySlice. Students must use this link to specify the term in which they intend to graduate and to provide information for their diploma. If your information is not complete, you will not receive commencement mailings with event calendars and dinner dance reservation forms, most importantly, you will not receive your diploma! Students must also contact their home school or college to review all graduation requirements.

Local Address
Senior mailings are sent to the local address as it appears in MySlice. Make sure that it is correct and current.