
ResEcon 102 | Introduction to Resource Economics

Section 01: Nathalie Lavoie

Section 02 RAP: Alvaro Callejas Montero

4 credits

Synchronous - Optional | TuTh | 1:00pm – 2:15pm

Face to Face | MWF | 12:20pm – 1:10pm

Gen Ed: SB

Principles of microeconomic theory for majors and non-majors. Concepts of supply, demand, markets, economic welfare and policies. Applications to resource management in business and government context emphasized.

Spring 2021 section notes (subject to change):

Section 01: This class will be a hybrid of asynchronous and synchronous modes. Asynchronous lectures will be recorded. The class will meet synchronously every Tuesday 1-2:15 pm for discussion of prior week's recorded lectures and reinforce most important topics. The Tuesday class will be recorded and posted on Moodle for those who can't attend. While attendance will not be taken it is a crucial part of the learning sequence of each week. **Other information:** Current news events are an integral part of this course.

Section 02: This RAP class, for first-year students only, will be an in person/face to face course. Face to face classes will be recorded and uploaded to Moodle for students who are unable to attend class for any circumstances. All assignments will be administered using Moodle. Exams will be face to face with the exception of students that are unable to attend class due to illness.

ResEcon 112 | Computing: Foundations to Frontiers

Miah Tran

3 credits

Synchronous - Optional | TuTh | 8:30am – 9:45am

Students work in a team-based learning environment to develop understanding of contemporary computing tools and concepts and the higher-order skills necessary to design and develop information systems that serve the interests of an organization. Topics include data analysis and modeling using MS Excel spreadsheets and relational data management using MS Access and an introduction to SAS analytics software. Students are evaluated through a variety of means: group projects, individual homework, in class team-based exercises, informal reflections, peer evaluations, and exams.

Spring 2021 section notes (subject to change):

This class will be a hybrid of asynchronous and synchronous modes. All materials (video lectures, assignments) are asynchronous will be posted on Moodle. Classes will be held every Tuesday for team-based activities where students can earn extra credits. Students who are ill also can access these practice exercises on Moodle but won't be earn these extra credit points. Zoom recordings posted soon after each session. **Other information:** The course requires downloading certain software onto your computers, one of which is MS Access which only runs in the Windows environment. If students have a Macbook, they must be willing to bootcamp their laptops so that they can use the software.

ResEcon 121 | Hunger in the Global Economy

Debi Mohapatra

4 credits

Synchronous - Optional | TuTh | 4:00pm – 5:15pm

Gen Ed: SB

Explores the causes of hunger (chronic undernutrition) from an economic perspective. Focus on how population growth and economic development are increasing demand for food and on the prospects for food production to supply those needs at affordable prices, while sustaining the environment. Discussion in the context of the global economy in which increased trade links even the poorest urban and rural residents in developing countries to market forces.

Spring 2021 section notes (subject to change):

This class will be a hybrid of asynchronous and synchronous modes. Class materials will be discussed in weekly synchronous meetings on Tuesdays. While the structured content will be discussed in recorded asynchronous lectures, the content of meetings will help to further clarify students' questions/confusions. The instructor will schedule weekly office hours for students to ask questions or seek help individually and send weekly email reminders of upcoming tasks, assignments and deadlines both on Moodle and via emails. In addition to the weekly office hours, students can also schedule meetings outside of the designated time if they cannot make it. **Other Information:** The instructor will keep an open line of communication with students to help with both course related and not course related issues they may need my help with.

ResEcon 202 | Price Theory

John Spraggon

+ Discussion Section 01AA

+ Discussion Section 01AB

4 credits

Synchronous – Optional | TuTh | 1:00pm – 2:15pm

W | 11:15am – 12:05pm

W | 12:20pm – 1:10pm

The purpose of this course is to present intermediate level microeconomic theory. Primarily we will focus on consumer demand theory and economics of production. Both graphical and mathematical approaches will be presented. This course provides the background necessary for more advanced courses in the department.

Prerequisites: Econ 103 or ResEcon 102, and Math 127 or Math 131.

Spring 2021 section notes (subject to change):

This class will be a hybrid of asynchronous and synchronous modes. Slides and videos will be provided for all of the material covered. Students are also provided 24hrs in which to complete midterms or finals, and there will be weekly assignments. There will be synchronous lectures offered during class times and discussions but these will be recorded and made available. Everything will be accessible through Moodle.

ResEcon 212 | Introduction to Statistics for the Social Sciences

Section 01: Wayne-Roy Gayle

Section 02: Wayne-Roy Gayle

Section 04: Wayne-Roy Gayle

Section 05: Wayne-Roy Gayle

Section 07: Wayne-Roy Gayle

4 credits

Synchronous - Required | M | 4:00pm – 5:15pm

Synchronous - Required | M | 2:30pm – 3:45pm

Synchronous - Required | Tu | 2:30pm – 3:45pm

Synchronous - Required | W | 2:30pm – 3:45pm

Synchronous - Required | Th | 2:30pm – 3:45pm

Gen Ed: R2

Designed for students in the social science and business related fields of study. Introduction to basic statistical methods used to collect, summarize, and analyze numerical data. Emphasis on application to decision making; examples from the social sciences and business. Topics include: common statistical notation, elementary probability theory, sampling, descriptive statistics, statistical estimation and hypothesis testing. Basic algebra and familiarity with computer and internet necessary.

This is a blended class. Lectures will be posted online. Students will complete online homework and will then attend a team based learning (TBL) section where they will work in teams on exercises that reinforce and apply the concepts from the online lectures and homework exercises. The online lectures and homework will be completed before attending the TBL section.

In addition to the TBL section, students will be expected to attend specified one-hour evening sessions with their assigned team throughout the term.

Spring 2021 section notes (subject to change):

*All sections of this class will be a hybrid of asynchronous and synchronous modes. Weekly synchronous Zoom sessions are recorded and posted, and students who cannot attend a synchronous lecture are required to attend a TA office hour to complete the in-class activities that were missed. Online lectures and homework assignments are completed before their synchronous sessions. During the synchronous sessions, the instructor reviews the weeks' lectures, introduces the in-class activities using examples, and then sends students to their team breakout rooms to apply the concepts and methods to their team projects. Additional activities are posted for the students to meet with their teams after the in-class session to complete the relevant sections of their projects. The instructor will be available by email and office hours. Homework assignments are scheduled to begin and end at the same time every week. Students will receive reminders about exam dates and project deadlines. **Other information:** It is advised to keep up with the materials and do not skip the in-class sessions because the Zoom lectures are posted. Engage with your teammates.*

ResEcon 213 | Intermediate Statistics for Business and Economics Synchronous - Optional | TuTh | 2:30pm – 3:45pm

Bernie Morzuch

+ Discussion Section 01AA

F | 10:10am – 11:00am

+ Discussion Section 01AB

F | 11:15am – 12:05pm

+ Discussion Section 01AC

F | 12:20pm – 1:10pm

3 credits

This course covers methods of sample-based estimation and inference. Topics include hypothesis testing for two populations, analysis of variance for comparing three or more populations, simple linear regression, topics in multiple regression, and univariate time-series techniques (if time permits) such as moving averages and exponential smoothing. Statistical software is used for advanced computations. Basic algebra required.

Prerequisite: ResEcon 211 or ResEcon 212 or Stat 240.

Spring 2021 section notes (subject to change):

*This class will be a hybrid of asynchronous and synchronous modes. Lectures and discussions will be synchronous. They likewise will be recorded and available in Moodle any time after each synchronous lecture or synchronous discussion is recorded. Once the recorded lectures and discussions are available in Moodle, they become asynchronous. Methods of student engagement: email; flexible Zoom office hours. Methods for keeping students informed: spelled out in Moodle. **Other Information:** We use the Minitab statistical software in this course. It is available free through the university.*

ResEcon 262 | Environmental Economics

Synchronous - Optional | TuTh | 2:30pm – 3:45pm

John Stranlund

4 credits

Gen Ed: SB

Economic analysis of environmental problems focusing on air, water, and land pollution. Emphasis is on analyzing the individual incentives that lead to environmental degradation, the valuation of environmental quality, and the design and evaluation of regulations that seek to improve environmental quality. Includes the economic analysis of global climate change.

Spring 2021 section notes (subject to change):

This class will be taught in an asynchronous mode. Everything is asynchronous except exams, although the instructor will be flexible in accommodating requests for alternative exam times. Methods of student engagement will include expanded office hours, one-on-one meetings available, frequent emails (several per week). The instructor will use frequent emails and weekly announcements (ppt and video) to remind students of upcoming events (e.g., homework due dates, office hours, exam schedules).

ResEcon 303 | Writing in Resource Economics

Section 02: Luke Bloomfield

Synchronous - Optional | MW | 2:30pm – 3:45pm

Section 03: Luke Bloomfield

Synchronous - Optional | TuTh | 2:30pm – 3:45pm

Section 04: Luke Bloomfield

Synchronous - Optional | TuTh | 4:00pm – 5:15pm

3 credits

Junior Year Writing

This course satisfies the Junior Year Writing requirement for students in RES-ECON. The emphasis is on developing students' skills in critical thinking, writing, and effective communication.

Spring 2021 section notes (subject to change):

All sections of this class will be a hybrid of asynchronous and synchronous modes. Peer review workshops will be the synchronous component of the course. Methods of student engagement will include expanded office hours, multiple weekly emails, small group discussions, and Moodle discussion boards. All deadlines will be posted at the beginning of the semester, and reminders will be sent out as they approach.

ResEcon 313 | Decision Analysis

Section 01: Angela De Oliveira

Section 02: Xiaoxue Sherry Gao

3 credits

Synchronous - Optional | TuTh | 10:00am – 11:15am

Synchronous - Optional | TuTh | 2:30pm – 3:45pm

No matter what type of job you get when you leave the ResEc family, you will need to be able to make good decisions using numbers. Some of you will get jobs performing analysis, while some of you will need to judge the credibility of the analysis done by others. The goal of this class is to introduce you to decision analysis. Decision Analysis covers how to best make decisions in an uncertain world. Topics include belief formation and updating, logical decision making and avoiding common decision errors, and appropriate information gathering. This course contributes to the quantitative sequence by further reinforcing how numbers can help us make good decisions and by improving the student's technical skills related to probabilities. The course contributes to the theoretical sequence by focusing on logical and consistent decision-making and an understanding of behavioral biases that can adversely affect decision-making.

Prerequisite: ResEcon 211 or ResEcon 212 or Stat 240.

Spring 2021 section notes (subject to change):

All sections of this class will be a hybrid of asynchronous and synchronous modes. These two sections were created jointly by the instructors and will be near identical. One class day will be optional synchronous discussion section and the other will be in-class office hours. The synchronous component is meant for students to ask questions and discuss class materials which is different from lectures in that no materials will be prepared from the instructors and the content depends on the students' questions/confusions. During the in-class office hours, students can hear each other's questions and participate in group discussions. The students who are not able to join the synchronous sessions will be provided with the recordings of the sessions. Moodle and/or weekly emails will be used for informing of deadlines and other communication to students.

ResEcon 314 | Financial Analysis for Consumers and Firms

Miah Tran

3 credits

Synchronous - Required | TuTh | 11:30am – 12:45pm

Foundations of interest rate theory and fundamentals of finance. A problem-solving approach to selected financial applications as they affect microeconomic units such as the individuals, households, and small businesses. Financial planning, spending, credit and saving, investing, taxes, insurance, retirement, and estate planning are examples of the topics that will be examined.

Prerequisites: ResEcon 102 or Econ 103; and Math 127 or Math 131.

Spring 2021 section notes (subject to change):

This class will be taught in a synchronous mode. All materials (including Zoom meeting recordings) will be posted on Moodle for students who are ill or otherwise prevented from attending class meetings.

ResEcon 394LI | Life is Full of Choices

Section 01: Colby Gray

Section 02: Colby Gray

Section 03: Colby Gray

Section 04: Colby Gray

1 credit

Synchronous - Optional | W | 9:05am – 9:55am

Synchronous - Required | W | 10:10am – 11:00am

Synchronous - Required | W | 12:20pm – 1:10pm

Synchronous - Required | W | 1:25pm – 2:15pm

Integrative Experience

Students will reflect on and integrate their collegiate learning and experiences to date by completing the following activities: develop a personal reflective portfolio, inventory and identify skills attained as an undergraduate, update professional materials such as resume, cover letter and networking profiles; and explore career options. Students will participate in weekly team activities in a team-based-learning environment that fosters engagement and peer-to-peer feedback. This 1-credit course, plus one pair of 3-credit courses identified in the Academic Requirements Report, satisfies the Integrative Experience requirement for BS Resource Economics and Managerial Economics majors.

(Section notes for ResEcon 394LI continue on next page)

Please check SPIRE for course eligibility (e.g., "Open to First-Years and Sophomores Only").

(Section notes for Res-Econ 394LI continued from previous page)

Spring 2021 section notes (subject to change):

Section 01: This class will be taught in an asynchronous mode. Students will follow weekly readings and instructions via Moodle. They will view pre-recorded lectures, complete weekly quizzes, and weekly asynchronous group work. The syllabus clearly outlines how all points will be earned and deadlines for key assignments. Assignments are referenced regularly in weekly instructions including plan-ahead reminders. Students who fall behind receive regular outreach from the instructor encouraging them to check-in over email or via Zoom. Office hours are posted in Navigate. Students seeking more connection are invited to visit live, synchronous classes. All students are emailed as they enroll to ensure they are selecting the section/instruction style that best meets their needs.

More information: This asynchronous section is great for students with technology, access, time zone or attendance challenges who are self-motivated to complete weekly instruction and coursework on their own. This section will require self-directed group work that will necessitate a common meeting time with a small group of peers. Unlike a synchronous class, this time can be set and altered by participants.

Section 02, 03, 04: These sections of this class will be taught in synchronous mode. Students earn attendance points weekly. Points are clearly outlined in the syllabus. Points are issued as "extra credit" during the first two weeks to accommodate add/drop. This essentially allows all students 1-2 excused absences with no impact on their grade. Further absences result in a deduction of points. Students with extenuating circumstances are encouraged to speak with the instructor 1:1. **More information:** These synchronous sections mimic a more traditional team-based learning environment for students who can regularly attend and participate in a structured class time over Zoom. Frequent engagement for students seeking interaction with peers, guest-presenters and the instructor. Students will be regularly asked to turn cameras and microphones on. An excellent choice for those who work better with consistency and less out-of-class group work.

ResEcon 397E | Economic Development and the Environment Synchronous - Optional | TuTh | 10:00am – 11:15am

Jamie Mullins

3 credits

This course introduces students to a holistic framework for understanding the relationships between global inequality, economic development, and environmental degradation. A range of practical pathways toward more sustainable global development are discussed and evaluated from economic, societal, and environmental perspectives. Topics include: the development gap; climate change; food security; population growth and distribution; approaches to addressing extreme poverty; biodiversity and ecosystem services; health, education, agriculture, and political institutions in the context of economic development; global carrying capacity and environmental load.

Prerequisite: Econ 103, ResEcon 102, ResEcon 262, or ResEcon 263

Spring 2021 section notes (subject to change):

This class will be taught in an asynchronous mode. The instructor will hold virtual (synchronous) weekly office hours and meet with students individually as needed. The instructor will stress that office hours and such meetings can be about course material (specifically or broadly) OR other things (mentoring, career, etc.). **Other information:** This is a great course to learn about how people live around the world, how and why things are improving, and how social and economic development interact with our global environment. Students love and are often challenged by the course, and express their wish to have had access to more such courses that are both big picture and timely.

ResEcon 428 | Managerial Economics

Section 01: Matt Woerman

Section 02: David Keiser

Section 03: Rong Rong

3 credits

Application of economic theory and quantitative analysis to the managerial decision-making process. Topics include: cost and production economics, demand analysis, business forecasting, investment project evaluation, and pricing and promotional strategies.

Prerequisites: Accounting 221, FinOptMgt/Finance 301 or ResEcon 314; and ResEcon 202 or Econ 203; and ResEcon 213; and ResEcon 313.

(Section notes for ResEcon 428 continue on next page)

Please check SPIRE for course eligibility (e.g., "Open to First-Years and Sophomores Only").

(Section notes for Res-Econ 428 continued from previous page)

Spring 2021 section notes (subject to change):

All sections of this class will be a hybrid of asynchronous and synchronous modes. Each section will be co-taught with 3 total instructors with the goal to deliver a high-quality, managerial capstone class that ties your material from your major to real-world applications. Each instructor will teach for approximately one month, with some overlap to ensure that the transition between instructors is smooth. There will be a mix of recorded lectures, synchronous sessions, and office hours, with announcements and updates using Moodle. **Other information:** Each instructor may conduct their portion of the class slightly differently, so students should expect some minor adjustments to the experience and format each month.

ResEcon 452 | Industrial Organization

Section 01: Manasvini Singh

Section 02: Manasvini Singh

3 credits

Synchronous - Required | MW | 4:00pm – 5:15pm

Synchronous - Required | MW | 2:30pm – 3:45pm

Integrative Experience

Market structure models with application to various industries. Firm behavioral strategies under different market structures. The role of product differentiation, advertising, market power, mergers, barriers to entry, price and non-price rivalry. Market performance including welfare, costs, and profits. BS Managerial Economics majors can satisfy their Integrative Experience requirement by taking this course plus Res-Econ 394LI and 453.

Prerequisite: ResEcon 202 or Econ 203.

Spring 2021 section notes (subject to change):

All sections of this class will be a hybrid of asynchronous and synchronous modes. Zoom meetings will be recorded for students who are ill or otherwise prevented from attending class meetings. Modes of student engagement will include optional discussions, weekly emails, and designated online office hours.

ResEcon 453 | Public Policy in Private Markets

Section 01: Yongjoon Park

Section 02: Debi Mohapatra

Section 03: Yongjoon Park

3 credits

Synchronous - Optional | TuTh | 1:00pm – 2:15pm

Synchronous - Optional | TuTh | 1:00pm – 2:15pm

Synchronous - Optional | TuTh | 4:00pm – 5:15pm

Integrative Experience

Rationale and structure of public policies that affect the operation of private markets in the U.S., with special emphasis on consumer goods industries. Focus on antitrust and competition policies (e.g., those covering collusive restraints of trade, monopolization, and mergers) and on policies that affect product quality and information (e.g., product standards, regulation of advertising and labeling). BS Managerial Economics majors can satisfy their Integrative Experience requirement by taking this course plus Res-Econ 394LI and 452.

Prerequisite: ResEcon 452.

Spring 2021 section notes (subject to change):

Section 01, 03: These sections of this class will be taught in an asynchronous mode. The instructor will send a weekly class announcement to students so that they can be informed of class expectations and up-to-date deadlines. There will be occasional mini quizzes that can help students self-check their learning at the end of some of lecture videos that are uploaded. **Other information:** In this course, students will explore several interesting antitrust cases and learn economics behind them. While students are expected to know microeconomics concepts and quantitative analysis used in Industrial Organization field (e.g. class materials from RESEC452), this course will focus more on real-world antitrust cases, and put less emphasis on its quantitative analysis aspects. There will be biweekly reading assignments for antitrust cases and two essay writing projects (2000-2500 words) as a group work.

Section 02: This section of this class will be a hybrid of asynchronous and synchronous modes. In the weekly synchronous meetings (scheduled on Tuesday for each class), the instructor will clear any doubts that students may have and discuss class materials. While the structured content will be discussed in recorded asynchronous lectures, the content of meetings will help to further clarify students' questions/confusions. In addition, the instructor will schedule weekly office hours for students to ask questions or seek help individually and send weekly email reminders of upcoming tasks, assignments and deadlines both on Moodle and via emails. In addition to the weekly office hours, students can also schedule meetings outside of the designated time if they cannot make it. **Other information:** The instructor will keep an open line of communication with students to help with both course related and not course related issues they may need my help with.

Please check SPIRE for course eligibility (e.g., "Open to First-Years and Sophomores Only").

ResEcon 471 | Cost Benefit Analysis**Synchronous - Required | MW | 4:00pm – 5:15pm****Jung Hwan Koh****3 credits****Integrative Experience**

This course introduces students to theoretical foundations and practical procedures of cost-benefit analysis (CBA) as applied to public natural resources and environmental projects, programs, and regulations. The course will cover critical discussion of strengths and weaknesses of CBA. Students will learn discounting, non-market valuation, and social welfare analysis. This course fulfills the General Education Integrative Experience requirement for BS-ResEc majors when taken with Res-Econ 394LI and Res-Econ 472.

Prerequisite: ResEcon 202 or Econ 203.

Spring 2021 section notes (subject to change):

This class will be a hybrid of asynchronous and synchronous modes. Limited parts of this course will be asynchronous. Some theoretical parts will be in asynchronous parts, though the instructor would like to explain most concepts and basic ideas in the form of synchronous classes. Applications, discussing examples, and small group activities will be in synchronous parts (this would be mandatory for all students).

ResEcon 497T | Topics in Time Series and Forecasting**Synchronous - Optional | MW | 2:30pm – 3:45pm****Bernie Morzuch****3 credits**

We will explore and develop a variety of univariate time-series techniques. We will show how to use these techniques to make forecasts for different economic variables. We will compare forecasts using univariate methods with forecasts obtained using econometric models.

Prerequisite: ResEcon 213

Spring 2021 section notes (subject to change):

This class will be a hybrid of asynchronous and synchronous modes. Lectures will be synchronous. They likewise will be recorded and available in Moodle any time after each synchronous lecture is recorded. Once the recorded lectures are available in Moodle, they become asynchronous. Methods of student engagement include email; flexible Zoom office hours. Methods of keeping students informed: spelled out in Moodle.
