



A A E 635 section 001 Syllabus

Applied Microeconomic Theory

COURSE INFORMATION

Applied Microeconomic Theory

A A E 635 001 (3.0Credits)

Fall 2018-2019 [1192]

Description

Microeconomic theory applied to consumers, producers, markets, and welfare analysis. Emphasis is on the mathematics of duality and optimization methods. Computer applications of the theory. Enroll Info: One semester of linear algebra highly recommended.

Prerequisite(s)

MATH 222 and (ECON 301 or 311), or graduate/professional standing

Instruction Mode

Classroom Instruction

Department: AGRICULTURAL AND APPLIED ECON

College: Agriculture and Life Sciences

Canvas Course URL

<https://canvas.wisc.edu/>



2018-2019 Fall [1192]

Term Start Date: Wednesday, 5-Sep-2018 **Term End Date:** Wednesday, 2-Jan-2019

Location and Schedule: Taylor Hall B30 TR 11:00 AM-12:15 PM

CRN: 108000383

How the Credit Hours are Met

This class meets for two 75-minute class periods each week over the semester and carries the expectation that students will work on course learning activities (reading, writing, problem sets, studying, etc) for about 3 hours out of classroom for every class period. The syllabus includes more information about meeting times and expectations for student work.

INSTRUCTORS AND TEACHING ASSISTANTS

Instructor



Guanming SHI

[✉ GSHI@WISC.EDU](mailto:GSHI@WISC.EDU)

Instructor Availability

329 Taylor Hall

OH: Tuesday and Thursday 12:15-1pm, or by appointment.

TA Office Hours

Ziqi Qiao, 317 Taylor Hall, Email: zqiao7@wisc.edu

OH: Friday 10:00 - 11:30am

GRADING AND COURSE MATERIALS

Course Learning Outcomes (CLOs)

- 1 - To acquaint students with formal models of economic problems such as production and consumption allocations and the efficiency consequences;
[S6496]
- 2 - To develop students' analytical and mathematical skills for conducting such analyses.
[S6497]

Grading

| | |
|--------------|-----|
| Midterm Exam | 30% |
| Final Exam | 40% |
| Homework | 30% |

Grading Scale: 100-90 A, 89-85 AB, 84-76 B, 75-72 BC, 71-63 C, 62-56 D, 55-0 F

Required Textbook, Software, & Other Course Materials

Primary Reference:

The primary "textbook" is the detailed lecture notes specifically designed for this class. They are posted on the canvas class website (in a timely manner).

Optional References:

Some students found the following books useful in helping them walk through this course. It is your choice whether to refer to these books or not:

Eugene Silberberg and Wing Suen, "The Structure of Economics: A Mathematical Analysis," Third Edition, McGraw-Hill, 2001. (A review of basic mathematical tools is provided in chapters 2, 3, 5 and 14)

Hal R. Varian, "Microeconomic Analysis," Third Edition, Norton&Company Ltd., NY. (A nice feature of this book is the compactness of how the basic concepts are presented, although some may view it as its "weakness")

Another useful handbook you may consider:

Sydsater, K., A. Strom and P. Berck, "Economists' Mathematical Manual", Springer-Verlag Berlin, Heidelberg 1999. (Collection of mathematical and statistical formulas and definitions, as well as economic results and theorems, very handy and useful in and beyond this class).

EXAMS, QUIZZES, PAPERS & OTHER MAJOR GRADED WORK

Exams, Quizzes, Papers & Other Major Graded Work

Exams are closed book. Final exam is not accumulative, but knowledge is.

Homework & Other Assignments

There will be a total of six problem sets. Students may form study groups to work out the homework, but each student must submit your own answers.

ACADEMIC POLICIES



ACADEMIC INTEGRITY

By enrolling in this course, each student assumes the responsibilities of an active participant in UW-Madison's community of scholars in which everyone's academic work and behavior are held to the highest academic integrity standards. Academic misconduct compromises the integrity of the university. Cheating, fabrication, plagiarism, unauthorized collaboration, and helping others commit these acts are examples of academic misconduct, which can result in disciplinary action. This includes but is not limited to failure on the assignment/course, disciplinary probation, or suspension. Substantial or repeated cases of misconduct will be forwarded to the Office of Student Conduct & Community Standards for additional review. For more information, refer to <https://conduct.students.wisc.edu/academic-integrity/>



ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES

McBurney Disability Resource Center syllabus statement: “The University of Wisconsin-Madison supports the right of all enrolled students to a full and equal educational opportunity. The Americans with Disabilities Act (ADA), Wisconsin State Statute (36.12), and UW-Madison policy (Faculty Document 1071) require that students with disabilities be reasonably accommodated in instruction and campus life. Reasonable accommodations for students with disabilities is a shared faculty and student responsibility. Students are expected to inform faculty [me] of their need for instructional accommodations by the end of the third week of the semester, or as soon as possible after a disability has been incurred or recognized. Faculty [I], will work either directly with the student [you] or in coordination with the McBurney Center to identify and provide reasonable instructional accommodations. Disability information, including instructional accommodations as part of a student’s educational record, is confidential and protected under FERPA.” <http://mcburney.wisc.edu/facstaffother/faculty/syllabus.php>



DIVERSITY & INCLUSION

Institutional statement on diversity: “Diversity is a source of strength, creativity, and innovation for UW-Madison. We value the contributions of each person and respect the profound ways their identity, culture, background, experience, status, abilities, and opinion enrich the university community. We commit ourselves to the pursuit of excellence in teaching, research, outreach, and diversity as inextricably linked goals.

The University of Wisconsin-Madison fulfills its public mission by creating a welcoming and inclusive community for people from every background – people who as students, faculty, and staff serve Wisconsin and the world.” <https://diversity.wisc.edu/>