

# **ECON 580 - Advanced Price Theory**

**Fall 2018**

**Section 001: B119 MARB on M W from 12:30 pm - 1:45 pm**

## **Instructor/TA Info**

### **Instructor Information**

**Name:** Scott Condie

**Office Location:** 136 FOB

**Office Phone:** 801-422-5306

**Office Hours:** Tue 1:00pm-2:00pm

Wed 10:30am-11:30am

**Email:** scott\_condie@byu.edu

### **TA Information**

**Name:** Robert Wagner

**Email:** wagnerrd6@gmail.com

## **Course Information**

### **Description**

This course will cover advanced microeconomic theory at the level taught in a first year graduate program in Economics. The specific topics covered are vector space optimization, demand and supply theory and general equilibrium both with and without uncertainty.

Students will be graded on their performance on 5 homework assignments, 2 midterm exams and one final exam. Students are encouraged to work together in groups, although homework must be handed in individually. Problem sets are to be turned in to the professor's box by the end of the day on the date listed in the syllabus.

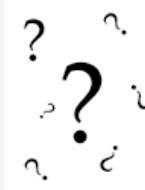
This course will be graded much like a graduate school course in that only in very exceptional circumstances will a student receive a grade of E. However,

like in graduate school, a grade of C represents significant underperformance in the course.

### Prerequisites

Econ 380 and Econ 382 or consent from the instructor.

### Materials

Item		Price (new)	Price (used)
	Microeconomic Theory <i>Required</i> by Mas-Colell, A	197.95	148.50

### Learning Outcomes

Econ 580 students will be able to

Use the tools of constrained optimization in analyzing comparative statics results arising in the study of economic phenomena.

### Assignments

#### Assignment Descriptions

##### Optimization HW

Due: Friday, Sep 21 at 11:59 pm

[Optimization Homework.pdf](#) [Download](#)

##### Demand HW

Due: Friday, Oct 19 at 11:59 pm

[Demand Homework.pdf](#) [Download](#)

##### Midterm 1

Due: Monday, Oct 22 at 3:45 pm

Midterm Exam 1

**Exam 1**

Due: Monday, Oct 22 at 11:59 pm

2015 Fall Exam 1.pdf Download

**Supply HW**

Due: Friday, Nov 09 at 11:59 pm

Supply Homework.pdf Download

**Midterm 2**

Due: Monday, Nov 26 at 3:45 pm

Midterm Exam 2

**Exam 2**

Due: Thursday, Nov 29 at 11:59 pm

2015 Fall Exam 2.pdf Download

**General Equilibrium HW**

Due: Monday, Dec 03 at 11:59 pm

GE Homework.pdf Download

**Final Exam**

Due: Thursday, Dec 13 at 2:00 pm

Final Exam

**Practice Final Exam**

Due: Thursday, Dec 13 at 11:59 pm

2015 Fall Final Exam.pdf Download

## **GE and Uncertainty HW**

Due: Thursday, Dec 13 at 11:59 pm

GE with Uncertainty Homework.pdf Download

## **University Policies**

### **Honor Code**

In keeping with the principles of the BYU Honor Code, students are expected to be honest in all of their academic work. Academic honesty means, most fundamentally, that any work you present as your own must in fact be your own work and not that of another. Violations of this principle may result in a failing grade in the course and additional disciplinary action by the university. Students are also expected to adhere to the Dress and Grooming Standards. Adherence demonstrates respect for yourself and others and ensures an effective learning and working environment. It is the university's expectation, and every instructor's expectation in class, that each student will abide by all Honor Code standards. Please call the Honor Code Office at 422-2847 if you have questions about those standards.

### **Sexual Misconduct**

In accordance with Title IX of the Education Amendments of 1972, Brigham Young University prohibits unlawful sex discrimination against any participant in its education programs or activities. The university also prohibits sexual harassment-including sexual violence-committed by or against students, university employees, and visitors to campus. As outlined in university policy, sexual harassment, dating violence, domestic violence, sexual assault, and stalking are considered forms of "Sexual Misconduct" prohibited by the university.

University policy requires all university employees in a teaching, managerial, or supervisory role to report all incidents of Sexual Misconduct that come to their

attention in any way, including but not limited to face-to-face conversations, a written class assignment or paper, class discussion, email, text, or social media post. Incidents of Sexual Misconduct should be reported to the Title IX Coordinator at [t9coordinator@byu.edu](mailto:t9coordinator@byu.edu) or (801) 422-8692. Reports may also be submitted through EthicsPoint at <https://titleix.byu.edu/report> or 1-888-238-1062 (24-hours a day).

BYU offers confidential resources for those affected by Sexual Misconduct, including the university's Victim Advocate, as well as a number of non-confidential resources and services that may be helpful. Additional information about Title IX, the university's Sexual Misconduct Policy, reporting requirements, and resources can be found at <http://titleix.byu.edu> or by contacting the university's Title IX Coordinator.

### **Student Disability**

Brigham Young University is committed to providing a working and learning atmosphere that reasonably accommodates qualified persons with disabilities. If you have any disability which may impair your ability to complete this course successfully, please contact the University Accessibility Center (UAC), 2170 WSC or 422-2767. Reasonable academic accommodations are reviewed for all students who have qualified, documented disabilities. The UAC can also assess students for learning, attention, and emotional concerns. Services are coordinated with the student and instructor by the UAC. If you need assistance or if you feel you have been unlawfully discriminated against on the basis of disability, you may seek resolution through established grievance policy and procedures by contacting the Equal Employment Office at 422-5895, D-285 ASB.

### **Schedule**

Date	Column 1	Column 2
W Sep 05 Wednesday	Introduction	

	Optimization
	MWG M.A-M.L
M Sep 10 Monday	Optimization
W Sep 12 Wednesday	Optimization
M Sep 17 Monday	Optimization
W Sep 19 Wednesday	Preferences under certainty
	MWG 3.A-3.C
F Sep 21 Friday	
M Sep 24 Monday	Utility Maximization
	MWG 3.D
W Sep 26 Wednesday	MWG 3.D
	Demand and comparative statics
M Oct 01 Monday	Expenditure minimization
W Oct 03 Wednesday	Demand analytics
M Oct 08 Monday	The weak axiom of revealed preference

	Aggregate demand and a representative consumer
W Oct 10 Wednesday	Preferences with uncertainty
M Oct 15 Monday	Demand with uncertainty
W Oct 17 Wednesday	Review
F Oct 19 Friday	
M Oct 22 Monday	Exam 1
W Oct 24 Wednesday	Production sets
M Oct 29 Monday	Profit maximization and cost minimization
W Oct 31 Wednesday	Profit maximization and cost minimization
M Nov 05 Monday	Firm behavior under uncertainty
W Nov 07 Wednesday	The Edgeworth box
F Nov 09 Friday	
M Nov 12 Monday	2 x 2 production equilibrium
W Nov 14	Comparative statics of

Wednesday	equilibrium
M Nov 19	Exam 2
Monday	
T Nov 20	<b>Friday Instruction</b>
Tuesday	
W Nov 21	<b>No Classes</b>
Wednesday	
M Nov 26	The welfare theorems
Monday	
W Nov 28	Existence of equilibrium
Wednesday	
M Dec 03	Uniqueness, local uniqueness and the index theorem
Monday	
W Dec 05	General equilibrium under uncertainty and Arrow-Debreu
Wednesday	
M Dec 10	Asset markets
Monday	
W Dec 12	Imperfect information and rational expectations equilibrium
Wednesday	
Th Dec 20	Final Exam:
Thursday	B119 MARB 11:00am - 2:00pm