

UNIVERSITY OF COLORADO
Department of Economics

Economics 7010-001
Microeconomic Theory 1
Fall 2009

Professor Jennifer Lamping
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Lectures: MW 12:00pm - 1:15pm, Economics 119
Office Hours: W 1:30pm - 3:00pm, Economics 103

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Course Website: CULearn

Course Description

This course is the first of three semester courses that develop the basic tools and results of modern microeconomic analysis. The first semester course covers individual decision making and optimization theory.

The course is highly technical. Although mathem

Textbooks

The required textbooks are

Green by Andreu Mas-Colell, Michael D. Whinston, and Jerry R.
by Rangarajan K. Sundaram

The following four texts offer different presentations of the material in Mas-Colell, Whinston, and Green. If you find that you are having trouble with Mas-Colell, I urge you to obtain one or more of these texts to assist you in understanding Mas-Colell.

by Geoffrey A. Jehle and Philip J. Reny
by David M. Kreps
by Hal R. Varian
by Walter Nicholson and
Christopher Snyder

If you find that you are having trouble with the mathematics used in this course, I recommend obtaining one or more of the following texts as references:

Wainwright by Alpha C. Chiang and Kevin
by Michael Hoy, John Livernois, Chris McKenna, Ray
Rees, and Thanasis Stengos
by Efe A. Ok
by Carl P. Simon and Lawrence E. Blume

Tentative Course Schedule

Date	Topic	Required Readings	Assignments
Aug 24	Mathematical Preliminaries	HLMRS 2.1; R 1.1, 1.2, & 2.1, S 1.1 - 1.4	
Aug 26	Preference Relations	MWG 1.A & 1.B	
Aug 31	Choice Rules and WARP	MWG 1.C & 1.D	PSet 1 Due
Sep 02	Homogeneous Functions and Convex Sets	MWG M.B & M.G; HLMRS 11.5	
Sep 07	No Classes (Labor Day)		
Sep 09	The Consumer's Problem	MWG 2.A - 2.E	PSet 2 Due
Sep 14	Properties of Matrices	MWG M.A & M.D; S 1.3 & 1.5; Definiteness Check	
Sep 16	Implications of WARP for Demand	MWG 2.F	
Sep 21	Convexity, Quasi-Convexity, and Continuity	MWG M.C & M.F; S 1.2.7 - 1.2.9, 1.4.1 - 1.4.2, 7.1 - 7.2, & 8.1 - 8.3	PSet 3 Due
Sep 23	Convexity, Quasi-Convexity, and Continuity (Cont'd)	MWG M.C & M.F; S 1.2.7 - 1.2.9, 1.4.1 - 1.4.2, 7.1 - 7.2, & 8.1 - 8.3	
Sep 28	Preferences and Utility	MWG 3.A - 3.C	PSet 4 Due
Sep 30	Preferences and Utility (Cont'd)	MWG 3.A - 3.C	
Oct 05	The Weierstrass Theorem and Unconstrained Maximization	MWG M.J; S 2 - 4	
Oct 07	Constrained Maximization:		

Oct 26	The Utility Maximization Problem	MWG 3.D	PSet 7 Due
Oct 28	The Expenditure Minimization Problem	MWG 3.E	
Nov 02	Relationships between Demand, Indirect Utility, and Expenditure Functions	MWG 3.G; Consumer Road Map	PSet 8 Due
Nov 04	Welfare Considerations	MWG 3.I	
Nov 09	SARP and Aggregate Demand	MWG 3.J & 4.A - 4.B	
Nov 11	Aggregate Demand and WARP	MWG 4.C	
Nov 13	Midterm Exam 2	12:00pm - 1:15pm	
Nov 16	Aggregate Demand and the Representative Consumer	MWG 4.D	PSet 9 Due
Nov 18	Production Sets	MWG 5.A - 5.B	
Nov 23	No Classes (Fall Break)		
Nov 25	No Classes (Fall Break)		
Nov 30	Profit Maximization	MWG 5.C; Nicholson 8	PSet 10 Due
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If you qualify for accommodations because of a disability, please submit to me a letter from Disability Services **by September 9th** so that your needs may be addressed. Disability Services determines accommodations based on documented disabilities. University policies regarding disabilities are available at www.colorado.edu/disabilityservices. Disability Services can be contacted by telephone at (303) 492 8671 or in person at Willard 322.

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Students and faculty each have responsibility for maintaining an appropriate learning environment. Those who fail to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences of race, culture, religion, politics, sexual orientation, gender, gender variance, and nationalities. Class rosters are provided to the instructor with the student's legal name. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the semester so that I may make appropriate changes to my records. Policies regarding classroom behavior are available at <http://www.colorado.edu/policies/classbehavior.html> and at http://www.colorado.edu/studentaffairs/judicialaffairs/code.html#student_code.

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