

## Term Information

Effective Term Autumn 2020  
*Previous Value* Autumn 2019

## Course Change Information

### What change is being proposed? (If more than one, what changes are being proposed?)

Changing the course to allow us to have the course offered as distance learning (DL)

### What is the rationale for the proposed change(s)?

We are concerned that disruptions of the flow of students will continue in future years. About 40% of our students are from China and 40% of our students are from Korea. It is very possible that in future years, there is a political standoff between the US and China, which prevents our students from receiving visas to enter the US. Or covid-19 might flare up in Korea but not in the US, so the Korean students cannot come to the US, but OSU sees no reason to institute an assurance process.

### What are the programmatic implications of the proposed change(s)?

(e.g. program requirements to be added or removed, changes to be made in available resources, effect on other programs that use the course)?

There are no major implications. It is being done to try to keep the program as close to normal as possible, under the circumstances, rather than to modify it.

Is approval of the request contingent upon the approval of other course or curricular program request? No

Is this a request to withdraw the course? No

## General Information

Course Bulletin Listing/Subject Area	Economics
Fiscal Unit/Academic Org	Economics - D0722
College/Academic Group	Arts and Sciences
Level/Career	Graduate
Course Number/Catalog	8712
Course Title	Microeconomic Theory IB
Transcript Abbreviation	Micro Theory 1B
Course Description	Continuation and extension of Microeconomic Theory 1A to study competitive general equilibrium, optimality and welfare theorems; includes analysis of individual agents' behavior under uncertainty and markets subject to asymmetric information.
Semester Credit Hours/Units	Fixed: 3

## Offering Information

Length Of Course	14 Week, 12 Week, 8 Week, 7 Week, 6 Week, 4 Week
Flexibly Scheduled Course	Never
Does any section of this course have a distance education component?	Yes
Is any section of the course offered	100% at a distance
<i>Previous Value</i>	<i>No</i>
Grading Basis	Letter Grade
Repeatable	No
Course Components	Recitation, Lecture
Grade Roster Component	Recitation
Credit Available by Exam	No

Admission Condition Course	No
Off Campus	Never
Campus of Offering	Columbus

## Prerequisites and Exclusions

Prerequisites/Corequisites	Prereq: 8711, or equiv, and permission of Economics Director of Grad Studies.
<a href="#">Previous Value</a>	<a href="#">Prereq: 8711 (804), or equiv, and permission of Economics Director of Grad Studies.</a>
Exclusions	
<a href="#">Previous Value</a>	Not open to students with credit for 805.
Electronically Enforced	No

## Cross-Listings

Cross-Listings

## Subject/CIP Code

Subject/CIP Code	45.0603
Subsidy Level	Doctoral Course
Intended Rank	Doctoral

## Requirement/Elective Designation

Required for this unit's degrees, majors, and/or minors

## Course Details

Course goals or learning objectives/outcomes	<ul style="list-style-type: none"><li>• Students will gain an understanding of decision making under uncertainty, partial equilibrium theory, and general equilibrium theory. The GE portion includes existence and welfare theorems, production, and uncertainty.</li></ul>
<a href="#">Previous Value</a>	
Content Topic List	<ul style="list-style-type: none"><li>• Examination of Walrasian general equilibrium and Pareto optimality</li><li>• State-contingent securities and markets with asymmetric information</li><li>• Risk aversion</li><li>• Expected utility theory</li><li>• Individuals' choice under uncertainty</li></ul>
Sought Concurrence	No
<a href="#">Previous Value</a>	

## Attachments

- ASC DL Course Syllabus Econ 8712 ASC Tech Checklist.docx: ASC tech checklist  
*(Other Supporting Documentation. Owner: Tobin, Ricky Mase)*
- ECON 8712 (18624) - Peck.pdf: In-person syllabus  
*(Syllabus. Owner: Tobin, Ricky Mase)*
- 8712SYL.20.pdf: Revised online syllabus  
*(Syllabus. Owner: Tobin, Ricky Mase)*

**Comments**

- See 7-29-20 email to R. Tobin and Y. Azrieli (by Oldroyd,Shelby Quinn on 07/29/2020 03:23 PM)

**Workflow Information**

Status	User(s)	Date/Time	Step
Submitted	Tobin,Ricky Mase	06/22/2020 02:40 PM	Submitted for Approval
Approved	Peck,James D	06/22/2020 02:46 PM	Unit Approval
Approved	Haddad,Deborah Moore	06/22/2020 03:13 PM	College Approval
Revision Requested	Oldroyd,Shelby Quinn	07/29/2020 03:23 PM	ASCCAO Approval
Submitted	Tobin,Ricky Mase	07/31/2020 10:04 AM	Submitted for Approval
Approved	Peck,James D	07/31/2020 10:24 AM	Unit Approval
Approved	Haddad,Deborah Moore	07/31/2020 11:43 AM	College Approval
Pending Approval	Jenkins,Mary Ellen Bigler Hanlin,Deborah Kay Oldroyd,Shelby Quinn Vankeerbergen,Bernadette Chantal	07/31/2020 11:43 AM	ASCCAO Approval

Prof. James Peck	Abolfazl Setayesh
Office: 440 Arps	Office: Arps 389
Off. Tel. 614-292-0182 (email is preferred)	Tel. 614-620-5642
peck.33@osu.edu	Setayesh.1@osu.edu
<b>Office Hours:</b> Mondays and Thursdays at 9:00-10:00am (or by appointment)	<b>Office Hours:</b> TBA

Course Website: <http://www.asc.ohio-state.edu/peck.33/Econ8712.htm>

### Syllabus--Microeconomic Theory 1B

**Required Text:**

Mas-Colell A., Whinston M. D., and Green J. R., 1995, *Microeconomic Theory*, Oxford.

**Optional Texts:**

Varian H., 1992, *Microeconomic Analysis*, New York and London, Norton, 3ed ed.

Kreps D., 2013, *Microeconomic Foundations I: Choice and Competitive Markets*,  
Princeton University Press.

**Course Description:** The course covers decision making under uncertainty, partial equilibrium theory, and general equilibrium theory. The GE portion includes existence and welfare theorems, production, and uncertainty. We will cover insurance and securities markets with uncertainty but symmetric information. We will introduce competitive markets with asymmetric information in the Rothschild-Stiglitz competitive screening model and the Akerlof lemons model.

**Course Learning Outcomes:** After finishing this course, you will know how to set up and solve optimization problems that involve uncertainty. You will have a solid understanding of general equilibrium theory, which underpins much of advanced economics. This will help you perform research that requires you to model perfectly competitive behavior and solve for a competitive equilibrium, and it will help you to read research in your fields that employ these models.

**Course Requirements:** There will be a midterm exam on Monday November 9 and a final exam or assignment at the end of the course. There will be 3 problem sets, which must be submitted to Carmen, on time. The problem sets and past qualifier exam questions will be discussed in the Friday recitations.

**Course Delivery:** The lectures and recitations will be delivered through Zoom meetings, with the link available on Carmen. Please do not share this link with anyone. Each class period will be divided into two meetings, before and after a break. These meetings will be recorded and available on Carmen. Office hours will also be conducted on Zoom, with the same link, but will not be recorded. For appointments we will generate a new link each time and provide it by email invitation.

**Grading: Midterm 30%, Final 40%, and problem sets 10% each.**

## Course technology

For help with your password, university e-mail, Carmen, or any other technology issues, questions, or requests, contact the OSU IT Service Desk. Standard support hours are available at <https://ocio.osu.edu/help/hours>, and support for urgent issues is available 24x7.

- **Self-Service and Chat support:** <http://ocio.osu.edu/selfservice>
- **Phone:** 614-688-HELP (4357)
- **Email:** [8help@osu.edu](mailto:8help@osu.edu)
- **TDD:** 614-688-8743
- **Carmen Zoom:** <https://resourcecenter.odee.osu.edu/carmenzoom>

## Baseline technical skills necessary for online courses

- Basic computer and web-browsing skills
- Navigating Carmen

## Technology skills necessary for this specific course

- Carmen Zoom text, audio, and video chat
- Collaborating in CarmenWiki
- Proficiency with Carmen Zoom

## Necessary equipment

- Computer: current Mac (OS X) or PC (Windows 7+) with high-speed internet connection
- Webcam: built-in or external webcam, fully installed
- Microphone: built-in laptop or tablet mic or external microphone

## Necessary software

- [Microsoft Office 365 ProPlus](#) All Ohio State students are now eligible for free Microsoft Office 365 ProPlus through Microsoft's Student Advantage program. Each student can install Office on five PCs or Macs, five tablets (Windows, iPad® and Android™) and five phones.
  - Students are able to access Word, Excel, PowerPoint, Outlook and other programs, depending on platform. Users will also receive 1 TB of OneDrive for Business storage.
  - Office 365 is installed within your BuckeyeMail account. Full instructions for downloading and installation can be found <https://ocio.osu.edu/kb04733>.

Lecture #/Date	Subject	Reading	Comments
1. Oct 19	Brief intro, preferences over lotteries, von Neumann-Morgenstern Axioms, expected utility thm., Allais paradox, Ellsberg paradox	M-6	
2. Oct 21	Risk aversion, Jensen's inequality, certainty equivalent, measures of risk aversion, an insurance problem, a portfolio problem, stochastic dominance, states of nature	M-6	
3. Oct 23	Recitation		
4. Oct 26	Partial Equilibrium	M-10	
5. Oct 28	General Equilibrium—pure exchange, Edgeworth Box	M-16	

<b>6. Oct 30</b>	Recitation		
<b>7. Nov 2</b>	Walras' Law, existence of equilibrium	M-16	
<b>8. Nov 4</b>	Existence continued, first welfare theorem	M-16	
<b>9. Nov 6</b>	Recitation		
<b>10. Nov 9</b>	<b>Midterm Exam</b>		
<b>11. Nov 11</b>	<b>No Class, Veteran's Day</b>		
<b>12. Nov 13</b>	Recitation		
<b>13. Nov 16</b>	Second Welfare Theorem	M-16	
<b>14. Nov 18</b>	Characterizations when utility is differentiable and concave	M-16	
<b>15. Nov 20</b>	Recitation		
<b>16. Nov 23</b>	GE with Production	M-16	
<b>17. Nov 25</b>	GE with Uncertainty	M-19	
<b>18. Nov 30</b>	GE with Uncertainty (contd)	M-19	
<b>19. Dec 2</b>	Insurance with asymmetric information: competitive screening and Akerlof	M-13 Rothschild-Stiglitz (1976)	
<b>20. Dec 4</b>	Recitation		
<b>21. Dec 11</b>	<b>Final Exam (date and time subject to change)</b>		2:00 – 3:45pm

Optional: Arrow, K.J., "The Role of Securities in the Optimal Allocation of Risk-bearing," *Review of Economic Studies* 31 (1964), 91-96.

Optional: Rothschild, M. and J. Stiglitz, "Equilibrium in competitive insurance markets: An essay on The economics of imperfect information," *Quarterly Journal of Economics*, 80, 1976, 629-649.

## Assignment information

Problem sets will be posted on Carmen and submitted by uploading onto Carmen. Exams will be posted on Carmen and answered during the assigned time, then scanned and uploaded to Carmen.

## **Faculty feedback and response time**

Please email me with questions related to subjects covered in lectures. Email the GTA with questions about assignments or subjects covered in the recitation. Virtual office hours will be held weekly via Zoom. (Remember that you can call **614-688-HELP** at any time if you have a technical problem.)

# **Attendance, participation, and discussions**

## **Student participation requirements**

Because this is a distance-education course, your attendance is based on your online activity and participation. The following is a summary of everyone's expected participation:

- Attend all lectures and recitation sections through Zoom
- Complete all assigned coursework

# **Other course policies**

## **Student academic services**

Student academic services offered on the OSU main campus  
<http://advising.osu.edu/welcome.shtml>.

## **Student support services**

Student support services offered on the OSU main campus <http://ssc.osu.edu>.

## **Academic integrity policy**

### **Policies for this online course**

- **Midterms and exams:** You must complete the midterm and final exams yourself, without any external help or communication.



- **Reusing past work:** In general, you are prohibited in university courses from turning in work from a past class to your current class, even if you modify it. If you want to build on past research or revisit a topic you've explored in previous courses, please discuss the situation with me.

## **Ohio State's academic integrity policy**

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term "academic misconduct" includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct <http://studentlife.osu.edu/csc/>.

## **Copyright disclaimer**

The materials used in connection with this course may be subject to copyright protection and are only for the use of students officially enrolled in the course for the educational purposes associated with the course. Copyright law must be considered before copying, retaining, or disseminating materials outside of the course.

## **Statement on title IX**

Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race). If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources at <http://titleix.osu.edu> or by contacting the Ohio State Title IX Coordinator, Mollie Peirano, at [titleix@osu.edu](mailto:titleix@osu.edu)

## **Accessibility accommodations for students with disabilities**

The University strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: [slds@osu.edu](mailto:slds@osu.edu); 614-292-3307; [slds.osu.edu](http://slds.osu.edu); 098 Baker Hall, 113 W. 12th Avenue.

### **Accessibility of course technology**

This online course requires use of Carmen (Ohio State's learning management system) and other online communication and multimedia tools. If you need additional services to use these technologies, please request accommodations with your instructor.

- [Carmen \(Canvas\) accessibility](#)
- Streaming audio and video
- Synchronous course tools

## **Your mental health**

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting [ccs.osu.edu](http://ccs.osu.edu) or calling 614- 292-5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on call counselor when CCS is closed at 614-292-5766 and 24 hour emergency help is also available through the 24/7 National Suicide Prevention Hotline at 1-800-273- TALK or at [suicidepreventionlifeline.org](http://suicidepreventionlifeline.org)

Classes: **M,W** 12:45-2:35 (Ag. Admin. Bldg. 246)Recitations: **F** 1:00-2:50 (Orton Hall 110)

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<b>Office Hours:</b> T 2:00-3:00 W 10:00-11:00 (or by appointment)	<b>Office Hours:</b> TBA

Course Website: <http://www.asc.ohio-state.edu/peck.33/Econ8712.htm>**Syllabus--Microeconomic Theory 1B**

## Required Text:

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Course Requirements: There will be a midterm exam on Monday November 4 (in class) and a final exam on Thursday December 12 (in class, **2:00 – 3:45pm**). The final covers only material presented after the midterm, but sometimes building on material presented earlier. There will be about 3 problem sets, which must be turned in on time. The problem set will be discussed in the Friday recitations.

Exams must be taken at the scheduled time: There will be no make-ups of exams. If the midterm is missed, with a valid excuse, the final will count for 90% of the course grade.

**Grading: Midterm 40%, Final 50%, and problem sets 10% in total.**

**Midterm Exam: Monday, November 4, in class.**

**Final Exam: Thursday December 12, at 2:00 – 3:45, in class.**

Lecture #/Date	Subject	Reading	Comments
1. Oct 14	Brief intro, preferences over lotteries, von Neumann-Morgenstern Axioms, expected utility thm., Allais paradox, Ellsberg paradox	M-6	
2. Oct 16	Risk aversion, Jensen's inequality, certainty equivalent, measures of risk aversion, an insurance problem, a portfolio problem, stochastic dominance, states of nature	M-6	
3. Oct 21	Partial Equilibrium	M-10	
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5. Oct 28	Walras' Law, existence of equilibrium	M-16	
6. Oct 30	Existence continued, first welfare theorem	M-16	

<b>7. Nov 4</b>	<b>Midterm Exam</b>		
<b>8. Nov 6</b>	Second Welfare Theorem	M-16	
<b>9. Nov 11</b>	<b>No Class, Veterans' Day</b>		
<b>10. Nov 13</b>	Characterizations when utility is differentiable and concave	M-16	
<b>11. Nov 18</b>	GE with Production	M-16	
<b>12. Nov 20</b>	GE with Uncertainty	M-19	
<b>13. Nov 25</b>	GE with Uncertainty (contd)	M-19	
<b>14. Nov 27</b>	<b>Thanksgiving Break</b>		
<b>15. Dec 2</b>	Insurance with asymmetric information: competitive screening	M-13 Rothschild-Stiglitz (1976)	
<b>16. Dec 4</b>	Insurance with asymmetric information: competitive screening (contd) and Akerlof model.  Time Permitting: review	M-13 Rothschild-Stiglitz (1976)	
<b>17. Dec 12</b>	<b>Final Exam</b>		2:00 – 3:45pm

Optional: Arrow, K.J., "The Role of Securities in the Optimal Allocation of Risk-bearing," *Review of Economic Studies* 31 (1964), 91-96.

Optional: Rothschild, M. and J. Stiglitz, "Equilibrium in competitive insurance markets: An essay on The economics of imperfect information," *Quarterly Journal of Economics*, 80, 1976, 629-649.

### **Academic Misconduct**

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examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct ([http://studentaffairs.osu.edu/resource\\_csc.asp](http://studentaffairs.osu.edu/resource_csc.asp)).

## **Disability Services**

**The University strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let me know immediately so that we can privately discuss options. You are also welcome to register with Student Life Disability Services to establish reasonable accommodations. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: [slds@osu.edu](mailto:slds@osu.edu); 614-292-3307; [slds.osu.edu](http://slds.osu.edu); 098 Baker Hall, 113 W. 12<sup>th</sup> Avenue.**

## Arts and Sciences Distance Learning Course Component Technical Review Checklist

**Course: ECON 8712**

**Instructor: James Peck**

**Summary: Microeconomic Theory 1B**

Standard - Course Technology	Yes	Yes with Revisions	No	Feedback/ Recomm.
6.1 The tools used in the course support the learning objectives and competencies.	X			<ul style="list-style-type: none"> <li>• Office 365</li> <li>• Carmen</li> </ul>
6.2 Course tools promote learner engagement and active learning.	X			<ul style="list-style-type: none"> <li>• CarmenZoom</li> </ul>
6.3 Technologies required in the course are readily obtainable.	X			All tools are available via OSU site license free of charge.
6.4 The course technologies are current.	X			All are updated regularly.
6.5 Links are provided to privacy policies for all external tools required in the course.	X			No external tools are used.
Standard - Learner Support				
7.1 The course instructions articulate or link to a clear description of the technical support offered and how to access it.	X			Links to 8HELP are provided
7.2 Course instructions articulate or link to the institution's accessibility policies and services.	X			a
7.3 Course instructions articulate or link to an explanation of how the institution's academic support services and resources can help learners succeed in the course and how learners can obtain them.	X			b
7.4 Course instructions articulate or link to an explanation of how the institution's student services and resources can help learners succeed and how learners can obtain them.	X			c
Standard – Accessibility and Usability				
8.1 Course navigation facilitates ease of use.	X			Recommend using the Carmen Distance Learning "Master Course" template developed by ODEE and available in the Canvas Commons to provide student-users with a consistent user experience in terms of navigation and access to course content.
8.2 Information is provided about the accessibility of all technologies required in the course.	X			No 3 <sup>rd</sup> party tools are used.
8.3 The course provides alternative means of access to course materials in formats that meet the needs of diverse learners.	X			Instructions are provided to obtain materials in another format.
8.4 The course design facilitates readability	X			
8.5 Course multimedia facilitate ease of use.	X			All assignments and activities that use the Carmen LMS with embedded multimedia facilitates ease of use. All other multimedia resources facilitate ease of use by being available through a standard web browser

### Reviewer Information

- Date reviewed: 6/22/20
- Reviewed by: Ian Anderson

**Notes: It should be mentioned in the course description that this course is a 100% distance learning course. Virtual office hours including method of delivery (most likely CarmenZoom) should be noted.**

<sup>a</sup>The following statement about disability services (recommended 16 point font):  
Students with disabilities (including mental health, chronic or temporary medical conditions) that have been certified by the Office of Student Life Disability Services will be appropriately accommodated and should inform the instructor as soon as possible of their needs. The Office of Student Life Disability Services is located in 098 Baker Hall, 113 W. 12th Avenue; telephone 614- 292-3307, [slds@osu.edu](mailto:slds@osu.edu); [slds.osu.edu](http://slds.osu.edu).

<sup>b</sup>Add to the syllabus this link with an overview and contact information for the student academic services offered on the OSU main campus.  
<http://advising.osu.edu/welcome.shtml>

<sup>c</sup>Add to the syllabus this link with an overview and contact information for student services offered on the OSU main campus. <http://ssc.osu.edu>. Also, consider including this link in the “Other Course Policies” section of the syllabus.