

**UNIVERSITY OF MONTANA**  
**ECNS 301: Intermediate Microeconomics with Calculus**

**Course Information:**

Semester: Fall 2016  
Section: Section 01  
Meeting time: TR 2:00-3:20  
Classroom: LA 336  
Credits: 3 credits  
CRN: 70050

**Instructor Information:**

Instructor: Douglas Dalenberg  
Office: LA 413  
Email: [doug.dalenberg@mso.umt.edu](mailto:doug.dalenberg@mso.umt.edu)  
Phone: 406-243-4406 (message only – email will get a faster response).  
Office hours: TR 11:30-12:25, W 12:00-1:00 or by appointment or discovery.

**Course Description:**

This course is designed to give you a solid grounding in microeconomic theory. We will review, refine and expand upon the methods of analysis you learned in Principles of Microeconomics. The focus of this class is economic models and theory. The course is roughly divided into three sections: the derivation of demand, the derivation of supply, and using supply and demand.

**Prerequisites:**

ECNS 201S: Principles of Microeconomics and Calculus (M 162 or M 171).

**Required Text:**

None.

**Optional Text:**

You do not need a text book nor do I recommend an optional text. There are plenty of resources available on the internet. If you absolutely need a text see me and I will make a suggestion for a text.

**Course Moodle Page:**

The course Moodle page will contain solutions to the practice problems and other course-related documents.

**Learning Outcomes:**

Students who successfully complete this course will be able to:

1. demonstrate a solid foundation in calculus-based microeconomics, including consumer theory, firm behavior, competitive markets, monopoly, and imperfect competition.
2. apply mathematical tools they have learned in calculus courses to a variety of problems.
3. use mathematics and graphs, in conjunction with good writing, to explain economic phenomena.

4. use calculus-based microeconomics to reason their way through abstract problems and real policy issues, and to explain how abstract problems can provide insight into the real world.
5. demonstrate the preparation necessary to do well in advanced courses that have calculus-based microeconomics as a prerequisite.

### Assessment:

You will be assessed with weekly quizzes and a comprehensive final exam. Your total quiz percentage will account for 85% of your grade and your final exam percentage will account for 15% of your grade.

Assignment	Weight	Date
Quizzes (12 quizzes)	85%	Every Tuesday except 8/30, 9/6, 11/8, 12/13
Final Exam	15%	Thursday, December 15, 3:20-5:20

I will use plus/minus grading with 100-92=A, 91-90=A-, 89-88=B+, 87-82=B, 81-80=B-, 79-78=C+, 77-72=C, 71-70=C- 69-68=D+, 67-62=D, 61-60=D-, 59 and below=F.

### Policies:

1. Please note the starting time for this class since starting on the hour is new.
2. If you miss a quiz and you contact me prior to or immediately after the quiz, we will make arrangements for dealing with the missing score (usually a make-up quiz). If I am not contacted promptly, then no make-up quiz is possible.
3. If my office hours conflict with your schedule, see me for an appointment or try to catch me in my office by chance.
4. The University of Montana assures equal access to instruction through collaboration between students with disabilities, instructors, and Disability Services for Students. If you think you may have a disability adversely affecting your academic performance, and you have not already registered with Disability Services, please contact Disability Services in Lommasson Center 154 or 406.243.2243. I will work with you and Disability Services to provide an appropriate modification. For more information, visit the [Disability Services for Students](http://www.umt.edu/dss) website (<http://www.umt.edu/dss>).
5. All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. All students need to be familiar with the [Student Conduct Code](http://www.umt.edu/vpsa/policies/student_conduct.php) ([http://www.umt.edu/vpsa/policies/student\\_conduct.php](http://www.umt.edu/vpsa/policies/student_conduct.php)). Academic dishonesty will result in a score of zero for the work in question and possible university sanctions.
6. The University sets deadlines for adding classes, dropping classes, changing grade options, and changing to or from audit status. These policies can be found at the [Registrar's web page](http://www.umt.edu/registrar/students/dropadd.php) (<http://www.umt.edu/registrar/students/dropadd.php>) while the actual dates for this term can be found on the [Registrar's calendar](http://www.umt.edu/registrar/PDF/OfficialDatesandDeadlinesfall2016.pdf) <http://www.umt.edu/registrar/PDF/OfficialDatesandDeadlinesfall2016.pdf>.
7. University policy states "For undergraduates, a CR grade (credit) will be equivalent to a D- or better and an NCR grade (no credit) will be equivalent to an F." University rules require you to earn a grade of C- or better in order for the course to satisfy the requirements of a major.
8. I do not take attendance. The consequences of missing class are reflected in quiz and exam scores. I take material for the quizzes out of lecture, so if you do miss class you will want to copy a classmate's notes.
9. As a courtesy to your classmates, please set your cell phones on vibrate rather than ring and please leave the classroom to talk on a phone. You may text during class if it does not disturb

those sitting near you and it does not disturb me. Absolutely no texting or cell phone use during quizzes or exams. If you believe that you will need to leave during class, please sit where you will not bother others as you leave. A classroom is a community, so I trust you will act as a mature and responsible citizen and treat each other with respect and courtesy. Please do not interfere with the learning of your classmates. I will ask you to leave if you are interfering with others' learning and it would be very embarrassing for you.

### Calendar:

This schedule of topics is subject to modification. All changes will be announced in class.

Week	Week of:	Topic	Notes	Quizzes / Exam
1	8/29	Introduction and Math	No class Thursday 9/1	
2	9/5	Review of Supply and Demand		
3	9/12	Elasticity		Quiz 1 Tuesday
4	9/19	Building Demand		Quiz 2 Tuesday
5	9/26	Using Demand and Compensated Demand		Quiz 3 Tuesday
6	10/3	Consumer Surplus and Market Demand		Quiz 4 Tuesday
7	10/10	Technology, Production, Costs		Quiz 5 Tuesday
8	10/17	Building Supply		Quiz 6 Tuesday
9	10/24	Building Supply and Competitive Markets		Quiz 7 Tuesday
10	10/31	Competitive Markets		Quiz 8 Tuesday
11	11/7	Welfare Economics	No class Tuesday 11/8	
12	11/14	Monopoly		Quiz 9 Tuesday
13	11/21	Imperfect Competition	No class Thursday 11/24	Quiz 10 Tuesday
14	11/28	Factor Markets		Quiz 11 Tuesday
15	12/6	Externalities and Public Goods		Quiz 12 Tuesday
16	12/12	FINAL EXAM – Thursday, December 15, 3:20-5:20.	No class Tuesday 12/13 Study Day; Final Exam: Thursday, 12/15, 3:20-5:20	Final Exam