

Oleg Baranov  
Assistant Professor  
Department of Economics

Office: ECON 14C  
Voice: 303.492.7869  
Email: [oleg.baranov@colorado.edu](mailto:oleg.baranov@colorado.edu)  
Website: [www.obaranov.com](http://www.obaranov.com)

Location: ECON 119  
Meeting Times: TTH 2:00-3:15  
Office Hours: TTH 3:30 – 4:30  
(or by appointment)

**Course website:**

All course materials will be posted on [Desire2Learn \(D2L\)](https://learn.colorado.edu) website that can be accessed at <https://learn.colorado.edu>.

**Course Description:**

This is the second graduate course in microeconomic theory. It consists of two main parts: non-cooperative game theory and market equilibrium and market imperfections. Together with ECON 7010 (Microeconomic Theory 1), this course aims to provide students with a solid understanding of the fundamentals of microeconomic analysis.

**Text:**

The textbook is *Microeconomic Theory*, by Mas-Colell, Whinston, and Green. The covered material is most chapters of Parts II and III of the book. A more detailed treatment of game theory can be found in *Game Theory for Applied Economists*, by Gibbons or *Game Theory*, by Fudenberg and Tirole.

**Assessment:**

There will be two midterm exams and the final exam. All exams are in a closed-book format. Tests weights are as follows:

1. Midterm exams (two midterms - 30 points each, 60 points in total)
2. Final exam (40 points)

**Problem Sets:**

Weekly problem sets are available at the course website. You should attempt them one by one after the relevant material is covered in class. Methodically solving the problem sets is **extremely important** to succeed in this class. You are encouraged to form study groups to discuss homework and lecture materials. Sample solutions will be provided at the course website with some time lag. **DO NOT TURN IN THE PROBLEM SETS.**

**Recitation Sessions:**

For every other week, the TA will hold a recitation in which the problem sets are discussed. Additional sessions can be added if there is such a need. I cannot **overemphasize** that solving these problems is crucial for you to learn the course materials.

**Tentative Course Outline:**

1. Partial Equilibrium Model.
2. Externalities and Public Goods.
3. General Equilibrium: Some Examples.

**Midterm 1**

4. Static Games of Complete Information.
5. Dynamic Games of Complete Information.

**Midterm 2**

6. Static Games of Incomplete Information.
7. Dynamic Games of Incomplete Information.

**Final (Tuesday, May 3, 4:30-6:30)****University Policies**

All students of the University of Colorado at Boulder are responsible for knowing and adhering to the academic integrity policy of this institution. Violations of this policy may include: cheating, plagiarism, aid of academic dishonesty, fabrication, lying, bribery, and threatening behavior. All incidents of academic misconduct shall be reported to the Honor Code Council ([honor@colorado.edu](mailto:honor@colorado.edu); 303-735-2273). Students who are found to be in violation of the academic integrity policy will be subject to both academic sanctions from the faculty member and non-academic sanctions (including but not limited to university probation, suspension, or expulsion). Other information on the Honor Code can be found at <http://www.colorado.edu/policies/honor.html> and at <http://www.colorado.edu/academics/honorcode/>

The University of Colorado at Boulder policy on Discrimination and Harassment, the University of Colorado policy on Sexual Harassment and the University of Colorado policy on Amorous Relationships apply to all students, staff and faculty. Any student, staff or faculty member who believes s/he has been the subject of discrimination or harassment based upon race, color, national origin, sex, age, disability, religion, sexual orientation, or veteran status should contact the Office of Discrimination and Harassment (ODH) at 303-492-2127 or the Office of Judicial Affairs at 303-492-

5550. Information about the ODH, the above referenced policies and the campus resources available to assist individuals regarding discrimination or harassment can be obtained at <http://www.colorado.edu/odh>

Campus policy regarding religious observances requires that faculty make every effort to reasonably and fairly deal with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. In this class, please see me at least two weeks prior to any conflicts due to religious observances. See full details at [www.colorado.edu/policies/fac\\_relig.html](http://www.colorado.edu/policies/fac_relig.html)

If you qualify for accommodations because of a disability, please submit to me a letter from Disability Services in a timely manner so that your needs may be addressed. Disability Services determines accommodations based on documented disabilities. Contact: 303-492-8671, Willard 322, and [www.Colorado.EDU/disabilityservices](http://www.Colorado.EDU/disabilityservices)

If you have a temporary medical condition or injury, see guidelines at <http://www.colorado.edu/disabilityservices/go.cgi?select=temporary.html>

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. See policies at <http://www.colorado.edu/policies/classbehavior.html> and at [http://www.colorado.edu/studentaffairs/judicialaffairs/code.html#student\\_code](http://www.colorado.edu/studentaffairs/judicialaffairs/code.html#student_code)