

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 5  
Meeting Times: TTH 11:00-12:15  
Office Hours: TTH 12:15 – 13:15  
(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 (Monday, May 8, 4:30-6:30)**

**University Policies**

All students enrolled in a University of Colorado Boulder course are responsible for knowing and adhering to the [academic integrity policy](#) of the institution. Violations of the policy may include: plagiarism, cheating, fabrication, lying, bribery, threat, unauthorized access, clicker fraud, resubmission, and aiding academic dishonesty. All incidents of academic misconduct will be reported to the Honor Code Council ([honor@colorado.edu](mailto:honor@colorado.edu); 303-735-2273). Students who are found responsible for violating the academic integrity policy will be subject to nonacademic sanctions from the Honor Code Council as well as academic sanctions from the faculty member. Additional information regarding the academic integrity policy can be found at <http://honorcode.colorado.edu>.

The University of Colorado Boulder (CU Boulder) is committed to maintaining a positive learning, working, and living environment. CU Boulder will not tolerate acts of sexual misconduct, discrimination, harassment or related retaliation against or by any employee or student. CU's Sexual Misconduct Policy prohibits sexual assault, sexual exploitation, sexual harassment, intimate partner abuse (dating or domestic violence), stalking or related retaliation. CU Boulder's Discrimination and Harassment Policy prohibits discrimination, harassment or related retaliation based on race, color, national origin, sex, pregnancy, age, disability, creed, religion, sexual

orientation, gender identity, gender expression, veteran status, political affiliation or political philosophy. Individuals who believe they have been subject to misconduct under either policy should contact the Office of Institutional Equity and Compliance (OIEC) at 303-492-2127. Information about the OIEC, the above referenced policies, and the campus resources available to assist individuals regarding sexual misconduct, discrimination, harassment or related retaliation can be found at the [OIEC website](#).

Campus policy regarding religious observances requires that faculty make every effort to deal reasonably and fairly 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 the [campus policy regarding religious observances](#) for full details.

If you qualify for accommodations because of a disability, please submit to your professor a letter from Disability Services in a timely manner (for exam accommodations provide your letter at least one week prior to the exam) so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities. Contact Disability Services at 303-492-8671 or by email at [dsinfo@colorado.edu](mailto:dsinfo@colorado.edu). If you have a temporary medical condition or injury, see [Temporary Injuries guidelines](#) under the Quick Links at the [Disability Services website](#) and discuss your needs with your professor.

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, color, culture, religion, creed, politics, veteran's status, sexual orientation, gender, gender identity and gender expression, age, disability, 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. For more information, see the policies on classroom behavior and the student code.