

Economics of information and Uncertainty

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This class builds on the game theory course, focusing on imperfect information and its economic implications. Students are expected to be familiar with the basic game theoretic concepts covered in the game theory class for Professor KH Kim's undergraduate students.

The first half of the class is based on video clips, along with a pop quiz. The second part will be a live Zoom format. The grade is based upon the total scores of pop quiz (20%), midterm (30%), and final examination (50%), subject to the university rule regarding attendance. Each pop quiz asks short questions based on the video lectures to ensure you follow the material.

Class hours are 1:00-2:20 PM MW KST. TA is Kim Woojin (woojin7687@hanyang.ac.kr).

The examination and the pop-up quizzes are posted at LMS but graded through Gradescope. Every student is required to register at <https://gradescope.com> when they receive an invitation from Gradescope.

Technology Requirements. We will use the following tools and resources in this course.

1. Webcam. You will need regular access to a computer with a webcam for our Zoom sessions and to take exams.
2. Microphone. A microphone is required for our Zoom sessions and to take exams.

I will make announcements through emails and LMS Announcement. Students are responsible for maintaining their email accounts properly so that a mass email from hanyang.ac.kr is received reliably. Missing email is not a legitimate excuse.

Exams (Pop-up quiz, midterm and final examination) take place in synchronously over Zoom. To maintain the integrity of the exam, students must follow the exam protocol below. The rule will be enforced strictly. I will adjust the rule along the way as needed. The general rule is as follows.

1. Your entire workspace and your face and arms must be in full view of your webcam. About 6 feet away is a good distance from the camera.
2. You may print the exam, or you may view the exam on a second screen. The second screen must be visible on the camera during the exam. Besides communicating with us and viewing the exam on a second screen, no electronic resources may be used. Calculators are not allowed.
3. You must show the room you are taking the exam in before beginning. Your microphone must be on.
4. You must indicate in zoom chat that you have finished the exam before uploading to Gradescope. You must remain in the room until you are done uploading to Gradescope.
5. If you require a modification to the protocol, you must arrange that with me well in advance of the exam.
6. If you are unwilling or unable to meet the exam protocol without prior arrangements, then you will receive credit for the exam.

Plan

1. Week 1. **(W, 3.3) TA will explain the class schedule and rules. Zoom**
 1. (W, 3.3) Lecture 1. Recorded Video until Lecture 14.
 2. (M, 3.8) Lecture 2.
2. Week 2.
 1. (W, 3.10) Lecture 3.
 2. (M, 3.15) Lecture 4.
3. Week 3.
 1. (W, 3.17) Lecture 5.
 2. **(M, 3.22) A pop quiz about lectures 1-5**
 3. (M, 3.22) Lecture 6.
4. Week 4.
 1. (W, 3.24) Lecture 7.
 2. (M, 3.29) Lecture 8.
5. Week 5.
 1. (W, 3.31) Lecture 9.
 2. (M, 4.5) Lecture 10.
6. Week 6.
 1. (W, 4.7) Lecture 11.
 2. **(M, 4.12) A pop quiz about lectures 6-11**
 3. (M, 4.12) Lecture 12.
7. Week 7.
 1. (W, 4.14) Lecture 13.
 2. (M, 4.19) Lecture 14.
8. Week 8.
 1. (W, 4.21) Lecture 15. Live Zoom until Lecture 28
 2. (M, 4.26) Lecture 16.
9. Week 9.
 1. (W, 4.28) Lecture 17.
 2. **(M, 5.3) Midterm examination (covering 1-17)**
10. Week 10.
 1. (W, 5.5) National Holiday, No class
 2. (M, 5.10) Lecture 18
11. Week 11.
 1. (W, 5.12) Lecture 19.
 2. (M, 5.17) Lecture 20.
12. Week 12.
 1. (W, 5.19) National Holiday, No class
 2. (M, 5.24) Lecture 21.
13. Week 13.
 1. (W, 5.26) Lecture 22.
 2. (M, 5.31) Lecture 23.
14. Week 14.
 1. (W, 6.2) Lecture 24.
 2. (M, 6.7) Lecture 25.
15. Week 15.

1. (W, 6.9) Lecture 26.
 2. (M, 6.14) Lecture 27.
16. Week 16.
1. (W, 6.16) Lecture 28.
 2. **(M, 6.21) Final examination (lectures 1-28)**