

Advanced Noncooperative Game Theory (Second Quarter 2017)

Instructor : Ryo Kawasaki (Department of Industrial Engineering and Economics)

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Time of class : Mondays and Thursdays 15:05-16:35

Room : W935 (W9 Building, 3rd Floor)

Textbook : None. Handouts for each class are available on the OCW-i page for this course.

Office hours : Tuesdays 13:20-14:50 or by appointment

TA: TBA

Tentative schedule (as of May 25) :

June 12: Strategic form games and the mixed extension

June 15: Dominated strategies and iterated removal of dominated strategies

June 19: Nash equilibrium (1)

June 22: Nash equilibrium (2)

June 26: Potential games and supermodular games (1)

June 29: Potential games and supermodular games (2)

July 3: Potential games and supermodular games (3)

July 6: Midterm exam

July 10: Extensive form games and subgame-perfect equilibrium (1)

July 13: Extensive form games and subgame-perfect equilibrium (2)

July 17: Finitely and infinitely repeated games

July 20: Perfect Bayesian equilibrium and sequential equilibrium

July 24: Games of incomplete information (1)

July 27: Games of incomplete information (2)

July 31 or August 3: Final exam (date yet to be finalized)

(Schedule and topics may be subject to change)

Weight distribution: Homework (30%), Midterm (30%), Final exam (40%)