

Advanced Noncooperative Game Theory (Second Quarter 2018)

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

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

Room : W9-508 (W9 Building, 5th 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 April 2) :

June 11: Strategic form games and the mixed extension

June 14: Dominated strategies and iterated removal of dominated strategies

June 18: Nash equilibrium (1)

June 21: Nash equilibrium (2)

June 25: Potential games and supermodular games (1)

June 28: Potential games and supermodular games (2)

July 2: Potential games and supermodular games (3)

July 5: Extensive form games and subgame-perfect equilibrium (1)

July 9: Extensive form games and subgame-perfect equilibrium (2)

July 12: Finitely and infinitely repeated games

July 16: No class (Holiday)

July 19: Class cancelled

July 23: Perfect Bayesian equilibrium and sequential equilibrium

July 26: Games of incomplete information (1)

July 30: Games of incomplete information (2)

August 2 or 6: Final exam (date yet to be finalized)

(Schedule and topics may be subject to change)

Weight distribution: Homework (30%), Final exam (70%)