Syllabus for 412-3, Spring 2022

Overview: This course focuses on models of dynamic games, reputation effects, and learning, as well as their applications to political economy, macroeconomics, and industrial organization.

Instructor: Harry Pei  Email: harrydp@northwestern.edu

Lectures: Tuesdays and Thursdays, 15:30-17:20. KGH 3301.

Guest Lectures: There will be two guest lectures on Zoom.


Evaluation: An in-class presentation and/or a final project (e.g., solve a problem mentioned in class, write a literature review, come up with your own question and make some progress, submit a research proposal that you plan to work on in the future).

Reading List: The ones with one star will be covered in class. The ones with two stars are available for in-class presentations. The ones without any star are background readings. Students are more than welcomed to present their own work, or to find other papers to present. Students are also welcomed to suggest related papers that I am unaware of.

Part 1: Reputation effects with perfect monitoring.


Part 2: Reputation effects with imperfect monitoring.


Part 3: Identification problems.


Part 4: Reputation sustainability.


Part 5: Limited memories.


Part 6: Interdependent values and confounded learning.


Part 7: Long-run medium-run models.


Part 8: Long-run long-run models.


Part 9: Reputational bargaining.


**Part 10: Repeated game with incomplete information.**


**Part 11: Reputation without commitment types.**


Part 12: Rational social learning.


Part 13: Behavioral/Non-Bayesian social learning.


**Part 14:** Steady state learning models.


