

## Syllabus for Microeconomic Theory I (4 units)

Instructors: Joseph Tao-yi Wang (王道一, part 1) & Pohan Fong (馮勃翰, part 2)

Classroom and Time: Wed 2:20-4:20pm, and Fri 2:20-5:20am, at 社科 15

### Part 1: Optimization, Consumer Decision and Uncertainty

Class website: [http://homepage.ntu.edu.tw/~josephw/essential\\_micro\\_theory\\_13F.htm](http://homepage.ntu.edu.tw/~josephw/essential_micro_theory_13F.htm)

Instructor: Joseph Tao-yi Wang ([josephw@ntu.edu.tw](mailto:josephw@ntu.edu.tw)) Office: 研究大樓 425 室

Office Hours: Wed 4:20-5:20pm (after class) or by email appointment

Textbooks: Riley (2012), *Essential Microeconomics*, Cambridge University Press. (EM)

Reference: Mas-Colell, Whinston and Green (1995), *Microeconomic Theory*, Oxford UP, 1995. (MWG)

Grades and Requirements: Homework assignments (15%), one quiz (5%) and midterm exam on 11/8 (30%). Any request of absence must be filed in advance (before 11/8, 2pm, unless due to medical emergency). Re-grade requests must be submitted in writing within 1 week the exam is returned and are performed on the entire exam.

Course outline:

1. [9/11] Supporting Prices (EM 1.1)
2. [9/13] Shadow Prices (EM 1.2) and [TA] Monopoly Pricing with Joint Costs (EM 1.5)
3. [9/18] Envelope Theorem (EM 1.3) and Theory of Choice (EM 2.1)
  - [9/20] Holiday (Moon Festival long weekend)
4. [9/25] Budget Constrained Consumer Choice with 2 Commodities (EM 2.2)
5. [9/27] Budget Constrained Consumer Choice with n Commodities (EM 2.3)
6. [10/2] (Optional) Advanced Topics in Consumer Theory (EM 2.4-2.5)
7. [10/4] The 2x2 Exchange Economy (EM 3.1)
8. [10/9] The Fundamental Welfare Theorems (EM 3.2)
9. [10/11] Theory of Risky Choice (EM 7.1)
10. [10/16] Attitude toward Risk (EM 7.2)
11. [10/18] Comparing Risky Alternatives (EM 7.3)
12. [10/23] Principal-Agent Problem (EM 7.4)
13. [10/25] Quiz and TA session
14. [10/30] More Principal-Agent Problems: Hidden Information vs. Hidden Action (MWG)
15. [11/1] Edgeworth Box Bargaining Experiments (Sunder)
16. [11/6] Risk Preference Experiments (Andreoni and Sprenger, AER, 2012)
  - [11/8] Written Midterm Exam

Note: This half is taught solely in English, and you have to finish all assignments in English. / *pre-commit NOT to understand Chinese either in class or when grading.*