

1. Choice Under Uncertainty (MGW 6.A-D)

- Expected Utility Theory
- Risk and Risk Aversion
- Stochastic Dominance
- Portfolio Selection

References:

Kahneman D. (2002), Nobel Prize Lecture:

http://www.nobelprize.org/nobel_prizes/economics/laureates/2002/kahneman-lecture.html

Kahneman D. (2012) *Thinking, Fast and Slow*. Ed. Macmillan.

Kreps, D. (1990) *A Course in Microeconomic Theory*, chapter 3.

Laffont, J.J. (1989) *The Economics of Uncertainty and Information*, chapters 1-3.

Lehrer, J. (2010) *How We Decide*, Mariner Books.

Machina, M. (1987) "Choice Under Uncertainty: Problems Solved and Unsolved." *Journal of Economic Perspectives* 1, pp. 121-154.

Rabin, M. (1998) "Psychology and Economics." *Journal of Economic Literature* 36, pp. 11-46.

Rothschild, M. and J. Stiglitz (1970) "Increasing Risk I: A Definition." *Journal of Economic Theory*, pp. 225-243.

2. Games of Incomplete Information (G 3-4.1 and 4.3.C; MGW 8.E and 9.C)

- Static Bayesian Games and Bayesian Equilibrium
- Dynamic Bayesian Games and Perfect Bayesian Equilibrium
- Reputation

References:

Fudenberg, D. and J. Tirole (1991) *Game Theory*, chapters 6-9.

Kreps, D. (1990) *A Course in Microeconomic Theory*, chapters 13-14.

Kreps, D. and David Wilson (1982) "Sequential Equilibria." *Econometrica*, pp. 863-894.

Myerson, R. (1991) *Game Theory*.

Osborne, M. and Ariel Rubinstein (1996) *A Course in Game Theory*, chapters 9, 11-12.

3. Adverse Selection, Signaling and Screening (G 4.2; MGW 13.A-D)

- The Akerlof-Wilson model
- Signaling Games
- Spence's Model of Job Market Signaling
- Competitive Screening
- Monopolist Screening

References:

Akerlof, G. (1970) "The Market for Lemons: Qualitative Uncertainty and the Market Mechanism." *Quarterly Journal of Economics* 84, pp. 488-500.

Bank of Sweden Prize in Economic Sciences (2001) *Akerlof, Spence and Stiglitz's Press Release (Advanced Information)*, <http://www.nobel.se/economics/laureates/2001/adv.html>.

Chiappori, P-A. and B. Salanie (2000) "Testing for Asymmetric Information in Insurance Markets." *Journal of Political Economy* 108, pp. 56-78.

Chiappori, P-A. and B. Salanie (2003) "Testing Contract Theory: A Survey of Some Recent Work," in *Advances in Economics and Econometrics*, vol. 1, M. Dewatripont, L. Hansen and S. Turnovsky eds, Cambridge University Press.

Cho, I-K. and D. Kreps (1987) "Signalling Games and Stable Equilibria." *Quarterly Journal of Economics* 102, pp. 179-222.

Fudenberg, D and J. Tirole (1991) *Game Theory*, chapter 8.

Genesove, D. (1993) "Adverse Selection in the Wholesale Used Car Market." *Journal of Political Economy* 103, pp. 644-665.

Kreps, D. (1990) *A Course in Microeconomic Theory*, chapter 16.

Macho Stadler I. and D. Pérez Castrillo, *Introducción a la Economía de la Información*, Editorial Ariel Economía, 1994.

Rothschild M. and J. Stiglitz (1976) "Equilibrium in Competitive Insurance Markets: An Essay on the Economics of Imperfect Information" *Quarterly Journal of Economics*, 90 (4), pp. 629-649.

Rose, C. (1993) "Equilibrium and Adverse Selection." *Rand Journal of Economics*, pp. 559-569.

Salanie, B. (1997) "The Economics of Contracts", MIT Press.

Stiglitz J. and A. Weiss (1981) "Credit Rationing in Markets with Imperfect Information" *American Economic Review*, 71(3), pp. 393-410.

Winston, C. (1980) "The Nature of Equilibrium in Markets with Adverse Selection." *The Bell Journal of Economics* 11, pp. 108-130.

4. Moral Hazard and Incentives (MGW 14.A-D)

- The Basic Principal-Agent Model
- Dynamic Moral Hazard
- Moral Hazard in Teams
- Incomplete Contracts

References:

- Bernheim, D. and D. Whinston (1986) "Common Agency." *Econometrica* 54, pp. 932-942.
- Fudenberg, D.; B. Holmstrom and P. Milgrom (1990) "Short-Term Contracts and Long-Term Agency Relationships." *Journal of Economic Theory* 51, pp. 1-31.
- Green, J. and Nancy Stokey (1983) "A Comparison of Tournaments and Contracts." *Journal of Political Economy*, 349-364.
- Grossman, S. and O. Hart (1983) "An Analysis of the Principal-Agent Problem." *Econometrica* 51, pp. 7-45.
- Hart, O. and B. Holmstrom (1987) The Theory of Contracts, in T.F. Bewley (ed.), *Advances in Economic Theory, Fifth World Congress*, Volume ESM No. 12 of *Econometric Society Monographs*, chapter 3, pp. 71-106, Cambridge, England: Cambridge University Press.
- Holmstrom, B. (1979a) "Moral Hazard and Observability." *Bell Journal of Economics* 10, 74-91.
- Holmstrom, B. (1979b) "Moral Hazard in Teams." *Bell Journal of Economics* 13, pp. 324-340.
- Kreps, D. (1990) *A Course in Microeconomic Theory*, chapters 16.
- Laffont, J.J. and D. Martimort (2002) *The Theory of Incentives* Princeton University Press.
- Lazear, E. and Sherwin Rosen (1981) "Rank Order Tournaments as Optimal Labor Contracts." *Journal of Political Economy* 89, 841-864.
- Macho Stadler I. and D. Pérez Castrillo (1994), *Introducción a la Economía de la Información*, Editorial Ariel Economía.
- Mookherjee, D. (1984) "Optimal Incentive Schemes with Many Agents." *Review of Economic Studies* 51, pp. 433-446.
- Rogerson, W. (1985) "Repeated Moral-Hazard." *Econometrica* 53, pp.69-76.
- Salanie, B. (1997) "The Economics of Contracts", MIT Press.
- Townsend, R. (1993) *The Medieval Village Economy*, Princeton, NJ, Princeton University Press.

5. Mechanism Design (MGW 23)

- Bayesian Games with Communication
- The Revelation Principle
- Application to Auctions

References:

Baron, D. and R. Myerson (1982) "Regulating a Monopoly with Unknown Costs." *Econometrica* 50, 911-30.

Baron, D. (1989) "Design of Regulatory Mechanisms and Institutions." in Schmalensee and Willig (eds.), *Handbook of Industrial Organization*.

Fudenberg, D. and J. Tirole (1991) *Game Theory*, chapter 7.

Klemperer, P. (2000) "Why Every Economist Should Learn Some Auction Theory." www.nuff.ox.ac.uk/economics/people/klemperer.htm

Klemperer, P. (1999) "Auction Theory: A Guide to the Literature." *Journal of Economic Surveys* 13, pp. 227-286.

Kreps, D. (1990) *A Course in Microeconomic Theory*, chapter 18.2.

Laffont, J-J. and J. Tirole (1986) "Using Cost Observations to Regulate Firms." *Journal of Political Economy* 94, 614-641.

Laffont, J-J. and J. Tirole (1993) *A Theory of Incentives in Procurement and Regulation*, Cambridge, Massachusetts: MIT Press.

Matthews, S. (1995) *A Technical Primer on Auction Theory I: Independent Private Values*, working paper.

Milgrom, P. and R. J. Weber (1982) "A Theory of Auctions and Competitive Bidding", *Econometrica* 50, 1089-1122.

Myerson, R. (1991) "Game Theory: Analysis of Conflict," Harvard University Press.

Mussa, M. and Sherwin Rosen (1978) "Monopoly and Product Quality." *Journal of Economic Theory* 18, 301-17.