

## MACROECONOMICS

National accounting in an open economy: income, balance of payments, price indexes, interest rates, real and nominal exchange rates. IS-LM Model in an open economy, monetary and fiscal policy, exchange rate regimes (fix and flexible rates). AD-AS Model, prices, wages and employment.

### Texts

Blanchard O., Johnson D.W., *Macroeconomics*, 6<sup>th</sup> ed, Pearson Higher Ed 2013.  
Chapters: 3,4,5,6,7,8,15,16,18,19,20,21,22,23,24.

Mankiw G., *Macroeconomics*, 7<sup>th</sup> ed. , Worth Publishers, 2009.  
Chapters: 2, 3, 4, 5, 6, 9, 10, 11, 12, 13.

Blanchard O., Amighini A., Giavazzi F., *Macroeconomia*, Il Mulino, 2011.  
Capitoli: 3, 4, 5, 6, 7, 8, 9, 15, 16, 18, 19, 24.

Mankiw G., Taylor M.: *Macroeconomi*, 5 ed, Zanichelli, 2011.  
Capitoli: 2, 3, 4, 5, 6, 9, 10, 11, 12, 13.

Dardi M., *Lezioni di macroeconomia* ,CEDAM, 2013.  
Capitoli: 1, 2, 3 sezz 3.1 e 3.2, 4, 5, 6 sezz 6.1 e 6.2.

## MICROECONOMICS

Consumption: budget constraint, preferences, utility, demand functions. Production: technology, cost curves, profit maximization, firm supply. Competitive market equilibrium, monopoly, oligopoly, game theory. Pareto efficiency, externalities, public goods.

### Texts

Varian H.L., *Intermediate Microeconomics*, 8th ed., Norton, 2009.  
Chapters: 1,2,3,4,5,6,14,14,15,16,18,19,20,21,22,23,24,25,27,28,29,31,34,36.

Varian H.L., *Intermediate Microeconomics*, 9th ed., Norton, 2014.  
Chapters: 1,2,3,4,5,6,14,14,15,16,19,20,21,22,23,24,25,26,28,29,30,32,35,37.

Morgan W, Katz M., Rosen H., *Microeconomics*, 2 ed, 2009.  
Chapters: 1,2,3,4,7,8,9,10,11,12,13,14,15,16,18.

Bernheim D., Whinston M., *Microeconomics*, McGraw Hill, 2008.

Chapters: 2,4,5,6,7,8,9,12,14,16,17,18,19,20.

Varian H.L., *Microeconomia*, 7 ed., Libreria editrice Cafoscarina, 2011.

Capitoli: 1,2,3,4,5,6,14,15,16,18,19,20,21,22,23,24,25,27,28,29,31,34,36.

Katz M., Rosen H., Morgan W., Bollino C., *Microeconomia*, 4 ed., McGraw Hill, 2011

Capitoli: 1,2,3,4,7,8,9,10,11,12,13,14,15,16,18.

Bernheim D., Whinston M., *Microeconomia*, 2ed McGraw Hill, 2013 oppure 1ed. 2009.

Capitoli: 2,3,4,5,6,7,8,11,13,15,16,17,18,19.

## MATHEMATICS

Students are supposed to be familiar with the topics usually taught in basic course on

a. Calculus 1;

b. Basic Mathematics for economics.

A set of chapters in books and notes which cover the above topics is listed below.

### a. Calculus 1. Either

Apostol, T. M., (1967), *Calculus*, Volume 1, 2nd edition, John Wiley & Sons, New York, NY: Chapters 1-7 included, 9-10.

Clark, C., (1982), *Elementary Mathematical Analysis*, 2nd edition, Wadsworth Publisher of Canada, Ltd., Belmont, CA. Appendix 1.

or

Spivak, M., (1980), *Calculus*, 2nd ed., Publish or Perish, Inc., Houston, TX: all but chapters 16, 20, 23, 24, 25, 26, 27, 28 and to 29.

Clark, C., (1982), *Elementary Mathematical Analysis*, 2nd edition, Wadsworth Publisher of Canada, Ltd., Belmont, CA. Appendix 1 and Appendix 2.

or (for students graduated from the Università degli Studi di Firenze)

Pierluigi Zezza, (2009), *Metodi matematici per le scienze economiche e aziendali*, Carocci Editore, Roma.

Apostol, T. M., (1967), *Calculus*, Volume 1, 2nd edition, John Wiley & Sons, New York, NY: Chapters 1, 2, 5, 10.

### b. Basic Mathematics for economics. Either

Villanacci, A, (2014), *Basic Mathematics for Economics*, Class Notes, Università degli studi di Firenze

(available at <http://e-l.unifi.it/course/view.php?id=1933> "Login as a guest").

All Notes, but Section 4.8., Chapter 6, Sections 8.7, 8.8, 8.9, Chapter 10, Chapter 13, Sections 16.5, 17.2, 17.3.

or

Simon, C.P. and L. Blume, (1994), *Mathematics for Economists*, Norton, New York. Chapters form 6 to 21 (included) and 26 to 30 (included).