

Generale

Course Computational Economics (a.a. 2022-2023)  
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Lecture	Day	Hours	Topic
1	Wednesday, 22 February 2023	2	Introduction to the course – Python
2	Friday, 24 February 2023	2	Some Notes on Python - Income-Expenditure Model (static version)
3	Wednesday, 01 March 2023	2	IE dynamic
4	Friday, 03 March 2023	2	Ch 1 Hommes – 1Dimensional systems - Logistic Map – Cubic Demand
5	Wednesday, 08 March 2023	2	ISLM static and dynamic
6	Friday, 10 March 2023	2	Ch 2 Hommes – 2Dimensional systems - Lotka-Volterra
7	Wednesday, 15 March 2023	2	Heterogenous Agents Models – A survey
8	Friday, 17 March 2023	2	Model 2.1 – Naimzada/Ricchiuti AMC 2008
9	Wednesday, 22 March 2023	2	Model 2.1 – Naimzada/Ricchiuti AMC 2008
10	Friday, 24 March 2023	2	Model 2.2 – Naimzada/Ricchiuti CSF2009
11	Wednesday, 29 March 2023	2	Model 2.2 – Naimzada/Ricchiuti CSF2009-2012
12	Friday, 31 March 2023	2	Cap 4 Hommes– The cobweb model
13	Wednesday, 05 April 2023	2	Cap 6 Hommes – An asset pricing model with het beliefs
14	Friday, 14 April 2023	2	Cap 6 Hommes – An asset pricing model with het beliefs
15	Wednesday, 19 April 2023	2	Model 2.4 – Gori/Ricchiuti
16	Friday, 21 April 2023	2	Model 2.4 – Gori/Ricchiuti
17	Wednesday, 26 April 2023	2	Networks – An Introduction (Prof. Campigli)
18	Friday, 28 April 2023	2	NetworkX – let’s build our first net
19	Wednesday, 03 May 2023	2	Centrality Measures
20	Friday, 05 May 2023	2	Centrality Measures
21	Wednesday, 10 May 2023	2	Prof. C. Proano (UniBamberg)
22	Friday, 12 May 2023	2	Prof. C. Proano (UniBamberg)
23	Friday, 19 May 2023	2	BH Model with a Net
24	Wednesday, 24 May 2023	2	BH Model with a Net

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Texts:

Hommes, C. (2013), Behavioural Rationality and Heterogenous Expectations, ed. Cambridge University Press

Mark Newman (2018) Networks, An introduction, ed. Oxford University Press

Dmitry Zinoviev, (2018), Complex Network Analysis in Python: Recognize - Construct - Visualize - Analyze – Interpret, ed. The pragmatic programmers