



UNIVERSITÀ DI PISA

ECONOMICS AND MANAGEMENT OF INNOVATION

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Anno accademico	2021/22
CdS	ECONOMICS
Codice	370PP
CFU	6

Moduli	Settore/i	Tipo	Ore	Docente/i
ECONOMICS AND MANAGEMENT OF INNOVATION	SECS-P/08	LEZIONI	42	GIOVANNI DOSI

Bibliografia e materiale didattico

• Economics of Innovation

Core readings

- Dosi G. (1982), 'Technological Paradigms and Technological Trajectories. A Suggested Interpretation of the Determinants and Directions of Technical Change', *Research Policy*
- Dosi G. and R.R. Nelson (2010), 'Technical Change and Industrial Dynamics as Evolutionary Processes, In B.H. Hall and N. Rosenberg: *Handbook of the Economics of Innovation- Vol-I*, Burlington: Academic Press, pp. 51-128
- Pavitt K. (1984), 'Patterns of Technical Change: Toward a Taxonomy and a Theory', *Research Policy*

Background readings

- Nelson R., Winter S. (1982), *An Evolutionary Theory of Economic Change*, Harvard Univ. Press, Part I-III (ch. 1-7)
- Dosi G. (2007), 'Statistical Regularities in the Evolution of Industries. A Guide through some Evidence and Challenges for the Theory, in F. Malerba and S. Brusoni (eds.) *Perspectives on Innovation*, Cambridge U.P.
- Dosi G., O. Marsili, L. Orsenigo, R. Salvatore (1995), 'Learning, Market Selection and The Evolution of Industrial Structures', *Small Business Economics*
- Freeman C., Soete L. *The Economics Industrial Innovation*, Routledge; 3 Reprint edition (June 3, 2012)

• Economics of Information

-Mandatory readings

- Arrow (1996) 'Technical Information and Industrial Structure', *Industrial and Corporate Change* 5(2), pp. 645–652.
- Rasmusen (2007) *Games and Information: an introduction to game theory*, 4th edition, Blackwell Publishing [Section 2.2, 2.3, 7.1, 7.2, 7.3, 9.1, 9.2].
- Shapiro and Stiglitz (1984) 'Equilibrium Unemployment as a Worker Discipline Device', *American Economic Review* 74(3), pp. 433–444.
- Stiglitz (2000) 'The Contributions of the Economics of Information to Twentieth Century Economics', *Quarterly Journal of Economics* 115(4), pp. 1441–1478.

-Optional readings

- Arrow (1974) 'Limited Knowledge and Economic Analysis', *American Economic Review* 64(1), pp. 1–10.
- Arrow (1994) 'Information and the organization of industry', *Rivista internazionale di scienze sociali* 52, pp. 111–124.
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- Greenwald and Stiglitz (1986) 'Externalities in Economies with Imperfect Information and Incomplete Markets', *Quarterly Journal of Economics* 101(2), pp. 229–264.
- Greenwald and Stiglitz (1987) 'Imperfect information, credit markets and unemployment', *European Economic Review* 31(1-2), pp. 444–456.
- Hayek (1945) 'The Use of Knowledge in Society', *American Economic Review* 35(4), pp. 519–530.
- Radner and Stiglitz (1984) 'A Non-Convexity in the Value of Information', in Boyer and



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Stiglitz and Weiss (1981) 'Credit Rationing in Markets with Imperfect Information', American Economic Review 71(3), pp. 393–410.

Stiglitz and Weiss (1983) 'Alternative Approaches to Analyzing Markets with Asymmetric Information: Reply', American Economic Review 73(1), pp. 246–249.

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Modalità d'esame

Scritto e Orale

Ultimo aggiornamento 21/02/2022 18:10