

BISS course “Innovative Ventures, Enterprises and Clusters”, August 19-23, 2024

INNOVATION: Lecture slides plus background readings:

- Basic concepts of innovation (Chapter 3 (pp. 23-37) in Swann 2009, OECD (2005))
- Diffusion of innovations (Chapter 1 (pp. 1-38), Chapter 6 (pp. 219-265) in Rogers 2003)
- Modelling process innovation Chapter 4 (pp. 38-47) in Swann, 2009)
- Modelling product innovation Chapter 5 (pp. 48-64) in Swann, 2009)
- Intellectual Property (Chapter 8 (pp. 103-115) in Swann, 2009; The Economist, 2015a,b)
- Innovation and Patent Strategies (Gilardoni, 2009)
- Innovation and Market Structure (Ch. 18 (pp. 217-225) in Swann, 2009)
- Disruptive Innovation (Christensen et al., 2015)

LITERATURE

Christensen, C.; Raynor, M.; McDonald, R. (2015): What is disruptive innovation?, in: Harvard Business Review, December 2015: 44-53.

Gilardoni, E. (2007): Basic approaches to patent strategy, in: International Journal of Innovation Management 11(03): 417-440.

OECD (2005): OSLO Manual. Guidelines for Collecting and Interpreting Innovation data, 3rd edition, Paris: OECD, available at: <http://www.oecd.org>

Rogers, E. (2003): Diffusion of Innovations. Fifth edition, Free Press: New York et al.

Swann, P. (2009): The Economics of Innovation, Edgar Elgar: Cheltenham.

The Economist (2015a): Time to fix patents, August 8th 2015, Vol. 416(8950): 9.

The Economist (2015b): -Intellectual Property – A question of utility, August 8th 2015, Vol. 416(8950): 43-45.

TECH CLUSTERS: Lecture slides plus background readings:

- Agglomeration Economies (mostly lecture slides or, e.g., described in McCann (2008))
- Cluster Concepts (Chapter 13 in Swann (2009); Porter, M. (2000))
- Tech Clusters (lecture slides or Kerr and Robert-Nicoud (2020))
- Cluster Mapping (mostly lecture slides or, e.g., Isserman (1977); Litzenger and Sternberg (2004))
- Cluster Effects (mostly lecture slides)
- Innovation and Cluster Policy (mostly lecture slides)

LITERATURE

Isserman, A. (1977): The Location Quotient Approach to Estimating Regional Economic Impacts, in: Journal of the American Institute of Planners, 43(1): 33-41

Litzenger, T.; Sternberg, R. (2004): Regional Clusters in Germany - their Geography and their Relevance for Entrepreneurial Activities, European Planning Studies, 12: 767-791

McCann, P. (2008): Modern Urban and Regional Economics, Oxford University Press: Oxford

Kerr, W.; Robert-Nicoud, F. (2020): Tech Clusters. Harvard Business School, Working Paper 20-063.

Porter, M. (2000): Location, Competition and Economic Development: Local Clusters in a Global Economy, in: Economic Development Quarterly, 14(1): 15-34

Swann, P. (2009): The Economics of Innovation, Edgar Elgar: Cheltenham.