LUND UNIVERSITY
SCHOOL OF ECONOMICS AND MANAGEMENT

Department of Business Administration

The readings are divided into three blocks, each of which will form the basis of the lecture and discussion for a given meeting.

Theme 1: Key concepts in innovation studies, science and innovation

Godin, B. (2012) Innovation Studies: the invention of a speciality, Minerva 50:397–421.

Martin, Ben R. "Twenty challenges for innovation studies." *Science and Public Policy* 43.3 (2016): 432–450.

Hawkins, Richard (2017) Standards, systems of innovation and policy, In Hawkins, R., Blind, K. and Page, R. (eds.) *Handbook of Standards and Innovation*, Edward Elgar Publishing

Martin, Ben R. "The evolution of science policy and innovation studies." *Research policy* 41.7 (2012): 1219–1239.

Stokes, D. E. (1997). *Pasteur's quadrant: Basic science and technological innovation*. Washington, D.C.: Brookings Institution Press. (Chapter 2 and 3)

Science and innovation

Arrow, K. (1962). Economic welfare and the allocation of resources for invention. In NBER (Ed.), *The rate and direction of inventive activity*. Princeton, NJ: Princeton University Press.

Brooks, H. (1994). The relationship between science and technology. *Research Policy*, 23(5), 477–486.

Mansfield, E. (1998). Academic research and industrial innovation: An update of empirical findings. *Research Policy*, 26(7–8), 773–776.

Nelson, R. R. (1982). The role of knowledge in R&D efficiency. *Quarterly Journal of Economics*, 97(3), 453–470.

Mowery, D.C. & Sampat, B.N. (2005). Universities in national Innovation Systems. In: J. Fagerberg et al (eds.). *The Oxford Handbook of Innovation*, pp. 209–239, Oxford University Press.

Turnhout, E. et al. (2013) New Roles of Science in Society: Different repertoires of knowledge brokering, *Science and Public Policy* 40 pp. 354–365.

Rosenberg, N. (1982). How exogenous is science? (ch. 7 in '*Inside the black box: Technology and economics*, Cambridge University Press.)

Rosenberg, N., & Nelson, R. R. (1994). American universities and technical advance in industry. *Research Policy*, 23(3), 323–348.

Theme 2: New trends in Innovation

Boon, W. and Edler, J. (2018) Demand, challenges, and innovation. Making sense of new trends in innovation policy. Science and Public Policy, 45(4), 435–447.

Schott, J. and Steinmueller, W.E. (2018) Three frames for innovation policy: R&D, systems of innovation and transformative change. Research Policy, 47:9 pp.1554–1567.

Muthu De Silva, Omar Al-Tabbaa and Zaheer Khan, Business model innovation by international social purpose organizations: The role of dynamic capabilities. *Journal of Business Research* https://doi.org/10.1016/j.jbusres.2019.12.030

Boons, F. and McMeekin,, A. (2019) An introduction: mapping the field(s) of sustainable innovation, In Boons, F. and McMeekin,, A. (eds.) *Handbook of Sustainable Innovation*, pp. 1–25, Edward Elgar Publishing.

Mazzucato, M. (2018) Mission-oriented innovation policies: Challenges and Opportunities, *Industrial and Corporate Change* 27(5): 803–815.

Rainer, K. and Mazzucato, M Mission-oriented Policies and Dynamic Capabilities in the Public Sector, *Industrial and Corporate Change* 27(5): 787–801

Theme 3: Industrial dynamics and technology management

Abernathy, W. J., & Clark, K. B. (1985). Innovation: Mapping the winds of creative destruction. *Research Policy*, 14(1), 3–22.

Bekkers, Rudi (2017) Where patents and standards come together, Hawkins, R., Blind, K. and Page, R. (eds.) *Handbook of Standards and Innovation*, Edward Elgar Publishing

Christensen, C. M., & Rosenbloom, R. S. (1995). Explaining the attacker's advantage: Technological paradigms, organizational dynamics, and the value network. *Research Policy*, 24(2), 233–257.

Chesbrough H. (2008) Open Innovation: A new paradigm for understanding industrial innovation, In Chesbrough, H. et al. (eds.) *Open Innovation: Researching a new paradigm*. Oxford University Press.

Henderson, R. (1995). Of life-cycles real and imaginary – the unexpectedly long old-age of optical lithography. *Research Policy*, 24(4), 631–643.

Cohen, W. and D. L. Levinthal, 1990. "Absorptive Capacity: A New Perspective on Learning and Innovation," *Administrative Science Quarterly*, 35, 1, 128–152.

Dosi, G. (1982). Technological paradigms and technological trajectories – a suggested interpretation of the determinants and directions of technical change. *Research Policy*, 11(3), 147–162.

Lam, A. (2005). Organizational innovation In: J. Fagerberg et al (eds.). *The Oxford Handbook of Innovation*, pp. 209–239, Oxford University Press.

Teece, D. (1986) "Profiting from Technological Innovation: Implications for Integration, Collaboration, Licensing, and Public Policy", *Research Policy*, vol. 15, pp. 285–305.

Tushman, M. L., & Anderson, P. (1986). Technological discontinuities and organizational environments. *Administrative Science Quarterly*, 31(3), 439–465.

Tushman, M.L. & O'Reilly (1996). Ambidextrous organizations. Managing evolutionary and revolutionary change. *California Management review*, 38(4), 8–30.

Utterback, J. M., & Suarez, F. F. (1993). Innovation, competition, and industry structure. *Research Policy*, 22(1), 1–21.