

Prof. Bizer, Harm Alhusen, Thore Bischoff, Dr. Feser, Elaine Horstmann, Eike Matthies

**Master's seminar in summer term 2020 (6 ECTS): M.WIWI-VWL.0026, M.WIWI-VWL.0036
& M.WIWI-VWL.0164**

Interdisciplinary Topics in Innovation Economics

Application: until April 20th via email (see below)

Submission deadline: June 19th 2020 until midnight via email to your supervisor

Presentations: Monday, June 29th, 9am – 2.30pm and Tuesday, June 30th, 9am – 2.30pm at Volkswirtschaftliches Institut für Mittelstand und Handwerk (ifh), Heinrich-Düker-Weg 6, room 0.101

No. of participants: Max. 12 participants

The Chair of Economic Policy and SME Research offers a master's seminar in the summer term 2020 with the topic: Interdisciplinary Topics in Innovation Economics.

To understand the multidimensionality of innovation processes, an interdisciplinary approach in innovation economics is indispensable. Just looking at advances in technology, market shares, patents, or R&D expenditures falls short of the mark. Economists as well as policymakers need to take a closer look at the firm-level of innovation and understand the managerial, organizational, and (social) psychological processes behind this endeavor. Therefore, the seminar's overall question is: "What are the advantages of an interdisciplinary approach in innovation economics?"

Application and Topic Assignments:

Places will be awarded following the "first-come-first-serve" principle. To apply for the seminar, please write an email to Elaine Horstmann (elaine.horstmann@wiwi.uni-goettingen.de) until April 20th and state your three preferred topics.

Exam requirements:

- Seminar paper: 15 pages, +/-10%, English or German
- Presentation: 15 minutes; English or German
- Opponent (Co-Referat): 5 Minutes, English or German
- Participation in the seminar and discussion

Organization:

The kick-off meeting has been cancelled due to the COVID-19 crisis. Therefore, we ask you to contact your supervisor directly after you have been accepted for the seminar and have been assigned to a topic. The application procedure as described above, is mandatory to participate in the seminar. Before contacting your supervisor, please make sure you read the mentioned literature regarding your topic and have prepared a first idea for your research question and your structure.

Please reserve the presentations dates. In case we will not be able to hold presentations as planned, we will inform you about alternatives in time.

Dates:

Registration:	until April 20 th via email to elaine.horstmann@wiwi.uni-goettingen.de
If you have been accepted:	
Kick-Off Meeting:	Due to the COVID-19 crisis, the kick-off meeting has been cancelled. See section “Organization” above.
Enrollment and dropping of exams:	Until May 5th via Flexnow. This is mandatory! We are not able to enroll you after the deadline expires.
Submission deadline:	June 19 th until midnight via email at your supervisor. Please add Elaine.horstmann@wiwi.uni-goettingen.de to cc.
Planned presentations:	Monday, June 29 th , 9am – 2.30pm Tuesday, June 30 th , 9am – 2.30pm at Volkswirtschaftliches Institut für Mittelstand und Handwerk (ifh), Heinrich-Düker-Weg 6, room 0.101

Warm-up: Argote, L., & Greve, H. R. (2007). A behavioral theory of the firm—40 years and counting: Introduction and impact. *Organization Science*, 18(3), 337-349.

Topics:**1. Recent changes in the role of R&D for Innovation (supervisor: Harm Alhusen)**

- Caraça, J., Lundvall, B. Å., & Mendonça, S. (2009). The changing role of science in the innovation process: From Queen to Cinderella?. *Technological Forecasting and Social Change*, 76(6), 861-867.
- Bronwyn H. Hall und Adam B. Jae (2018). „Measuring Science, Technology, and Innovation: A Review“. In: *Annals of Science and Technology Policy* 2.1, S. 1–74
- Paula E. Stephan (2010). „The Economics of Science“. In: *Handbook of the economics of innovation*. Hrsg. von Bronwyn H. Hall und Nathan Rosenberg. Bd. 1. *Handbook in economics*. Amsterdam und Boston: North Holland, S. 217–273
- Heij, C. V., Volberda, H. W., Van den Bosch, F. A., & Hollen, R. M. (2019). How to leverage the impact of R&D on product innovation? The moderating effect of management innovation. *R&D Management*.

2. Innovation systems and regionality (supervisor: Thore Bischoff)

- Innovationssysteme und Regionalität Bjørn Asheim u. a. (2016). „Regional Innovation Systems: Past-Presence-Future“. In: *Handbook on the Geographies of Innovation*. Hrsg. von Christophe Carrincazeaux u. a. Cheltenham: Edward Elgar Publishing, S. 45–62
- Ron Boschma (2005). „Proximity and Innovation: A Critical Assessment“. In: *Regional Studies* 39.1, S. 61–74
- David C. Mowery und Bhaven N. Sampat (2005). „Universities in national innovation systems“. In: *The Oxford Handbook of Innovation*. Hrsg. von J. Fagerberg u. a. Oxford: Oxford University Press, S. 209–239
- Michael E. Porter (2000). „Location, Competition, and Economic Development: Local Clusters in a Global Economy“. In: *Economic Development Quarterly* 14.1, S. 15–34

- 3. Innovation as a multifaceted phenomenon: modes of innovation (supervisor: Eike Mathies)**
- Jensen, M. B., Johnson, B., Lorenz, E., Lundvall, B. Å., & Lundvall, B. A. (2007). Forms of knowledge and modes of innovation. *The learning economy and the economics of hope*, 155.
 - Apanasovich, N. (2016). Modes of innovation: a grounded meta-analysis. *Journal of the Knowledge Economy*, 7(3), 720-737.
 - Fitjar, R. D., & Rodríguez-Pose, A. (2013). Firm collaboration and modes of innovation in Norway. *Research policy*, 42(1), 128-138.
 - Isaksen, A., & Nilsson, M. (2013). Combined innovation policy: Linking scientific and practical knowledge in innovation systems. *European Planning Studies*, 21(12), 1919-1936.
 - Thomä, J. (2017). DUI mode learning and barriers to innovation—A case from Germany. *Research Policy*, 46(7), 1327-1339.
- 4. Absorptive Capacities and Innovation (supervisor: Elaine Horstmann)**
- Cohen, W. M., & Levinthal, D. A. (1990). Absorptive capacity: A new perspective on learning and innovation. *Administrative science quarterly*, 35(1), 128-152.
 - Cohen, W. M., & Levinthal, D. A. (1989). Innovation and learning: the two faces of R & D. *The Economic Journal*, 99(397), 569-596.
 - Zahra, S. A., & George, G. (2002). Absorptive capacity: A review, reconceptualization, and extension. *Academy of management review*, 27(2), 185-203.
 - Fabrizio, K. R. (2009). Absorptive capacity and the search for innovation. *Research policy*, 38(2), 255-267.
- 5. Employee-Driven Innovation (supervisor: Prof. Bizer)**
- Kesting, P., & Parm Ulhøi, J. (2010). Employee-driven innovation: extending the license to foster innovation. *Management decision*, 48(1), 65-84.
 - Brown, J. S., & Duguid, P. (1991). Organizational learning and communities-of-practice: Toward a unified view of working, learning, and innovation. *Organization science*, 2(1), 40-57.
 - Ellström, P. E. (2010). Practice-based innovation: a learning perspective. *Journal of Workplace learning*, 22(1/2), 27-40.
 - Pruett, M., & Thomas, H. (2008). Experience-based learning in innovation and production. *R&D Management*, 38(2), 141-153.
- 6. Innovation and sustainable development (supervisor: Dr. Feser)**
- Geels, Frank W. (2002). Technological transitions as evolutionary reconfiguration processes: A multi-level perspective and a case-study. *Research Policy*, 31(8-9), 1257-1274.
 - Schlaile, Michael; Urmetzer, Sophie; Blok, Vincent; Andersen, Allan; Timmermans, Job; Mueller, Matthias et al. (2017): Innovation Systems for Transformations towards Sustainability? Taking the Normative Dimension Seriously. *Sustainability* 9 (12).

- Nill, Jan; Kemp, René (2009): Evolutionary approaches for sustainable innovation policies: From niche to paradigm? *Research Policy*, 38 (4), 668–680.
- Smith, Adrian; Voß, Jan-Peter; Grin, John (2010): Innovation studies and sustainability transitions: The allure of the multi-level perspective and its challenges. *Research Policy* 39 (4), 435–448.