

LEHRANGEBOT MODULPOOL H04

WiSe 2023/24

MODUL	
Titel	Advanced Economics: Does Science and Education Pay Off? – On the Economics of Innovation and Science (engl.)

ANBIETER	
Fakultät / Institution Abteil./Studiengang	Fakultät 1 Wirtschaftswissenschaften
Dozent	Prof. Dr. Hans-Martin Niemeier & Dr. Jan Wedemeier, Senior Researcher at Hamburg Institute of International Economics (HWWI)

ANSPRECHPARTNER	
Ansprechpartner	Dr. Jan Wedemeier
Ansprechpartner Studiengang/Fakultät	Prof. Dr. Hans-Martin Niemeier

ANGEBOT	
Zielsetzung (überfachlich)	<p>This course uses the principles of advanced economics to analyze the micro and macro effects of innovation and science. The course introduces students to the complex roots and systemic elements of innovation at the business, institutional and societal level. It will take an exploratory and practice-relevant approach to innovation economics. This means that the course will less so be oriented towards explaining theoretical concepts but presenting and trying out methodologies, frameworks and instruments to analyze innovation procedures within innovation networks and innovation systems in regions. Analytical frameworks will be provided to better grasp the innovation challenges and opportunities within organizations. The students gain from the experience of research projects of the instructors and their respective institutions.</p> <p>It will enable students to develop their own research question after a comprehensive literature review, to choose and apply an appropriate method and to present and discuss their results.</p> <p>The aim is also to introduce the students to a topic in innovation economics for the final thesis (Bachelor / Master) and to accompany them. This should help BA and MA students in their development of near future thesis. The course should be also of interest for Master students interested in innovation economics and management.</p>
Inhalt	<p>Intended Learning Outcomes (ILOs)</p> <ul style="list-style-type: none"> – Understanding the foundation of advanced economic concepts and apply them to innovation and science policy – Learning of basic instruments to analyze innovation approaches – Getting a systemic perspective on innovation and innovation requirements – Insights to creative economy, entrepreneurship, and ecosystem – Linking practical insights with learning based on methodologies – Learning about EU policies of innovation – Approaching to Research and Innovation Strategies for Smart Specializations (RIS3); Smart specialization strategies for sustainability (S4) – Learning and discussion whether science and education pay off for society as a whole <p>The students have to learn themselves about the key elements on the economics of innovation and science. The content will also be determined by the interests of the students.</p> <p>Sources (pre-selection):</p> <ul style="list-style-type: none"> – Brenner, T.; Schiller, D. (eds.) (2019): Special Issue: Regional interaction and effects of universities, <i>Review of Regional Research</i>, 39(2), 113-208. – Dornbusch, R., Fischer, S., and Startz, R., (2017): <i>Macroeconomics</i>, 17 ed. Boston: McGraw-Hill Education – Fargerberg, J. (2005): <i>Innovation, A guide to the Literature</i>, in: <i>The Oxford Handbook of Innovation</i>, Oxford. – Florio, M. (2019): <i>Investing in Science. Social Cost- Benefit Analysis of Research Infrastructures</i>, MIT Press Cambridge, Mass. – Günther, J.; Wedemeier, J. (2021): <i>Wissenschaft rechnet sich – ein Diskussionsbeitrag</i>, Bremen,

	<p>https://www.hwwi.org/fileadmin/hwwi/Publikationen/20210328_Wissenschaft_rechnet_sich_finale_version.pdf [abgerufen am 10.09.2021]]</p> <ul style="list-style-type: none"> - Günther, J.; Wedemeier, J. (Hrsg.) (2020): Struktureller Umbruch durch COVID-19: Implikationen für die Innovationspolitik im Land Bremen, HWWI Policy Paper 128, Hamburg. - Kruse, M.; Wedemeier, J. (2020): Mehr Konvergenz durch regionale Spezialisierung?, MAKRO-NOM. - Müller-Using, S.; Urban, W.; Wedemeier, J. (2020): Internationalization of SMEs in the Baltic Sea Region: Barriers of cross-national collaboration considering regional innovation strategies for smart specialization, Growth and Change - A Journal of Urban and Regional Policy. First published: 08 October 2020. - Nicholson, W. and Snyder, C. (2010), Theory and Applications of Intermediate Microeconomics, 11th edition, Mason Thompson - Wedemeier, J. (2014): Creative Professionals, Local Amenities and Externalities: Do Regional Concentrations of Creative Professionals Reinforce Themselves Over Time?, European Planning Studies, 23 (12), 2464-2482.
Zielgruppe Voraussetzungen	Good knowledge of microeconomics is an advantage
Methode Veranstaltungsform Prüfungsleistungen	<p>Lectures will be reduced to a minimum. Case studies will be discussed. Active participation is key and required. Invitation and participation to international and national seminars, workshops, and conference, as input for further discussion in the lecture. Guest lectures from experts (virtually).</p> <p>No final test, instead continuous assessment of different fields of activities.</p> <p>The course is open for international students as well as for Bachelor and Master students. The course will be taught in English.</p>
Leistungspunkte	6
Dauer	Semesterumfänglich (3 SWS)
Termin/e	<p>The lecture „Does Science and Education Pay Off? – On the Economics of Innovation and Science“ will begin in winter term 2023.</p> <p>Winter term 2023. 19.10.23-01.02.2024; Start: 1 week. Thursday, 8.30 to 13.00</p>
Ort	Werderstr. 73, Room D103,
Hinweise	
Online	