Economics of Innovation

Modul-Nr./ Module no.	Kreditpunkte/ Credit points 10 CP	Arbeitsaufwand/ Workload 300 h	Semester/ Term 1.-3. Semester	Turnus/ Frequency Winter	Dauer/ Duration 1 Semester

Lehrveranstaltungen/ Courses		Kontaktzeit/ Contact time Lecture: 2 SWS Tutorial: 2 SWS	Selbststudium/ Self-study 105 h	Gruppengröße/ Group size 25xStudierende
a) Lecture b) Tutorial				

Unterrichtssprache/ Language	Teilnahmevoraussetzungen/ Requirements
English	Good knowledge of microeconomics and mathematics. Good command of English.

Anmeldeverfahren/ Registration
The (voluntary) course registration takes place via the e-learning platform Moodle of the Ruhr-University, the (compulsory) registration for the final exam takes place via FlexNow within the deadlines announced by the examination office (Prüfungsamt).

Verwendung des Moduls/ Module application
Economic Policy Consulting MSc
- **Entrepreneurship, Innovation und Transformation**
- **Elective module**

Management and Economics MSc.
- **Entrepreneurship, Innovation & Transformation**
- **Theoretical & Applied Microeconomics**
- **General Economics**

Finance, Accounting, Auditing, Controlling, & Taxation MSc.
- **Elective module (max. 15)**

Sales Management MSc.
- **Elective module (max. 20 ECTS)**

Economics MSc.
- **International Economics and Finance**
- **Economic Policy**
- **Elective in Economics (min. 75 ECTS)**
- **Elective in Management (max. 15 ECTS)**

Management MSc.
- **Elective in Economics (max. 30 ECTS)**

Lernziele/ Learning targets
Students learn about the crucial role of innovation and technical progress from a microeconomic perspective. The focus is not on perfect competition via prices, but on the competition of ideas (Schumpeter's "creative destruction"). The modul analyses the role of industry structure for innovation incentives. The students should be able to understand the trade off in patent policy between setting ex ante the right incentives to innovate and the ex post deadweight welfare loss due to monopoly. The role of government in setting patent policy is explained. In the follow up semester, there is usually a seminar on the economics of innovation. In order to attend the seminar, it is a necessary condition to have attended and passed this module, because the content of this module is a prerequisite to understand the models of the seminar.

Inhalt/ Contents
Market structure and the incentive to innovate, competition and innovation, patent policy (optimal patent length and optimal patent breadth), patent races.

Lehrformen/ Teaching methods
Lecture and tutorials

Prüfungsformen/ Mode of assessment
The module grade results from the grade of a seminar paper. Up to 25 % of the total number of points attainable in the module can be acquired as bonus points in a written exam. The best grade cannot be achieved without bonus points. Bonus points are only credited if the seminar paper achieves a passing grade without the bonus points.

Voraussetzungen für die Vergabe von Kreditpunkten/ Requirements for the award of credit points
Credit points are awarded after successful passing of the seminar paper.

Stellenwert der Note für die Endnote (bei einem Gesamtstudienumfang von 120 ECTS)/ Weight of the mark for the final score (based on a required coursework of 120 ECTS)

8,3 %

Lernmaterialien und Literaturangaben/ Learning material and relevant literature
Learning material: Lecture and tutorial scripts. These are made available in electronic form via the e-learning platform Moodle of the Ruhr-University before each class.   Relevant literature:
- Suzanne Scotchmer (2004) Innovation and Incentives
- Belleflamme & Peitz (2010) Industrial Organization: Markets and Strategies
- Pepall, Richards, and Norman (2011) Contemporary Industrial Organisation - A Quantitative Approach

Further papers given in the module.

Modulbeauftragte/r und hauptamtlich Lehrende/ Module coordinator(s) and lecturer(s)
Modulbeauftragte/r: Prof. Dr. Julio Robledo
Lehrende: Prof. Dr. Robledo and assistants

Sonstige Informationen/ Further information