

Prowadzący	Jakub Czerniak
ERASMUS+ (semestr zima) 2025/2026	NIE
Oferta PJOE (semestr lato) 2025/2026	TAK
Kierunek, rok, stopień dla PJOE (*obowiązkowe)	

* PJOE – przedmiot w języku obcym dla studentów polskich oraz dla studentów Erasmus+

** zostawić właściwe

BASIC INFORMATION ABOUT THE SUBJECT (INDEPENDENT OF THE CYCLE)

Module name	Innovations and Innovation Policy
Language of instruction	
Prerequisites	Not required
ECTS points hour equivalents (30h = 6 ECTS; 15h = 3 ECTS)	<p>Contact hours (work with an academic teacher): 9 Total number of hours with an academic teacher: 9 Number of ECTS points with an academic teacher: 1 Non-contact hours (students' own work): 9 Total number of non-contact hours: 9 Number of ECTS points for non-contact hours: 1 Total number of ECTS points for the module: 2</p>
Educational outcomes verification methods	Written exam (test)
Description	<p>The module covers the knowledge in the area of innovations and innovation policy from the macroeconomic point of view. The course provides the essential knowledge on innovations and innovation policy. The lecture explains basic terms concerning innovations, their types, innovation models and measures of innovative performance. During the course main determinants of creating and diffusing innovations are discussed. Among them can be identified: spending on research and development, intellectual property protection, competition policy, education policy, foreign direct investment, financing availability, national culture, R&D tax incentives.</p>
Reading list	<p>The course is based on lectures and current reports available free of charge from the Internet. Nevertheless, for students who show special interest in this topic, the following publications can be recommended:</p> <ol style="list-style-type: none"> 1. D. Archibugi, J. Howells, J. Michie, Innovation Policy in Global Economy, Cambridge University Press 1999. 2. R. E. Smits, S. Kuhlmann, P. Shapira, The Theory and Practice of Innovation Policy: An International Research Handbook, Edward Elgar Publishing Ltd 2012. 3. S. Casper, Creating Silicon Valley in Europe. Public Policy towards New Technology Industries, Oxford University Press, New York 2007. 4. C. Greenhalgh, M. Rogers, Innovation, Intellectual Property and Economic Growth, Princeton University Press, Princeton 2010. 5. M. Miozzo, V. Walsh, International Competitiveness and Technological Change, Oxford University Press, Oxford 2006.
Educational outcomes	<p>KNOWLEDGE:</p> <ol style="list-style-type: none"> 1. About different types of innovations and models of innovation 2. About the meaning of innovations for the national economy 3. About determinants of innovations <p>SKILLS:</p> <ol style="list-style-type: none"> 1. Of identifying strong and weak sides of countries innovation policy 2. Of proposing the way to improve innovation policy at a country level <p>ATTITUDES:</p> <ol style="list-style-type: none"> 1. The awareness of impact of innovations on economic growth and national performance economy 2. Can complement and improve the acquired knowledge and skills
Practice	n/a

INFORMATION ABOUT CLASSES IN THE CYCLE

Educational outcomes verification methods	Written exam (test)
Comments	
Reading list	<p>The course is based on lectures and current reports available free of charge from the Internet. Nevertheless, for students who show special interest in this topic, the following publications can be recommended:</p> <ol style="list-style-type: none"> 1. D. Archibugi, J. Howells, J. Michie, Innovation Policy in Global Economy, Cambridge University Press 1999. 2. R. E. Smits, S. Kuhlmann, P. Shapira, The Theory and Practice of Innovation Policy: An International Research Handbook, Edward Elgar Publishing Ltd 2012. 3. S. Casper, Creating Silicon Valley in Europe. Public Policy towards New Technology Industries, Oxford University Press, New York 2007. 4. C. Greenhalgh, M. Rogers, Innovation, Intellectual Property and Economic Growth, Princeton University Press, Princeton 2010. 5. M. Miozzo, V. Walsh, International Competitiveness and Technological Change, Oxford University Press, Oxford 2006.
Educational outcomes	<p>KNOWLEDGE:</p> <ol style="list-style-type: none"> 1. About different types of innovations and models of innovation 2. About the meaning of innovations for the national economy 3. About determinants of innovations <p>SKILLS:</p> <ol style="list-style-type: none"> 1. Of identifying strong and weak sides of countries innovation policy 2. Of proposing the way to improve innovation policy at a country level <p>ATTITUDES:</p> <ol style="list-style-type: none"> 1. The awareness of impact of innovations on economic growth and national performance economy 2. Can complement and improve the acquired knowledge and skills
A list of topics	<ol style="list-style-type: none"> 1. Innovations: definitions, types, models and meaning for the economy. 2. Measures of innovative performance. Countries' statistics. 3. Main determinants of creating and diffusing: spending on research and development, intellectual property protection, competition policy, education policy, foreign direct investment, financing availability, national culture, R&D tax incentives.
Teaching methods	Interactive lecture
Assessment methods	Exam