

<b>Module name</b>	<b>Innovation Policy</b>
Studies cycle	<b>1st</b>
Semester	<b>Winter / spring</b>
ECTS	<b>3</b>
ECTS points hour equivalents	<p><b>Contact hours (work with an academic teacher) 15</b></p> <p><b>Total number of hours with an academic teacher 15</b></p> <p><b>Number of ECTS points with an academic teacher 1,5</b></p> <p><b>Non-contact hours (students' own work) 15</b></p> <p><b>Total number of non-contact hours 15</b></p> <p><b>Number of ECTS points for non-contact hours 1,5</b></p> <p><b>Total number of ECTS points for the module 3</b></p>
Website	<a href="http://www.umcs.pl/pl/adres-book-employee,486,en.html">http://www.umcs.pl/pl/adres-book-employee,486,en.html</a>
Language of instruction	English
Short description	The module covers the knowledge in the area of innovations and innovation policy from macroeconomic point of view.
Full description	<p><b>The lecture covers the following issues:</b></p> <p>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&amp;D tax incentives.</p>
Reading list	<ol style="list-style-type: none"> <li>1. D. Archbugi, J. Howells, J. Michie, Innovation Policy in Global Economy, Cambridge University Press 1999.</li> <li>2. R. E. Smits, S. Kuhlmann, P. Shapira, The Theory and Practice of Innovation Policy: An International Research Handbook, Edward Elgar Publishing Ltd 2012.</li> <li>3. S. Casper, Creating Silicon Valley in Europe. Public Policy towards New Technology Industries, Oxford University Press, New York 2007.</li> <li>4. C. Greenhalgh, M. Rogers, Innovation, Intellectual Property and Economic Growth, Princeton University Press, Princeton 2010.</li> <li>5. M. Miozzo, V. Walsh, International Competitiveness and Technological Change, Oxford University Press, Oxford 2006.</li> </ol>
Educational outcomes	<p><b>KNOWLEDGE:</b></p> <ol style="list-style-type: none"> <li>1. About different types of innovations and models of innovation</li> <li>2. About the meaning of innovations for the national economy</li> <li>3. About determinants of innovations</li> </ol> <p><b>SKILLS:</b></p> <ol style="list-style-type: none"> <li>1. of identifying strong and weak sides of countries innovation policy</li> <li>2. of proposing the way to improve innovation policy at a country level</li> </ol> <p><b>ATTITUDES:</b></p> <ol style="list-style-type: none"> <li>1. The awareness of impact of innovations on economic growth and national performance economy</li> <li>2. Ready to work in groups</li> <li>3. Can complement and improve the acquired knowledge and skills</li> </ol>
Assessment methods and criteria	Written exam and a project (50% / 50%)

Teaching methods	Informative ecture, case study, creating reports in small groups
Educational outcomes verification methods	Exam and report (project)
Prerequisites	-
Comments	-
<b>Type of classes</b>	Lecture
Academic teacher	Jakub Czerniak, PhD
Number of hours	15
Reading list	<ol style="list-style-type: none"> <li>1. D. Archbugi, J. Howells, J. Michie, Innovation Policy in Global Economy, Cambridge University Press 1999.</li> <li>2. R. E. Smits, S. Kuhlmann, P. Shapira, The Theory and Practice of Innovation Policy: An International Research Handbook, Edward Elgar Publishing Ltd 2012.</li> <li>3. S. Casper, Creating Silicon Valley in Europe. Public Policy towards New Technology Industries, Oxford University Press, New York 2007.</li> <li>4. C. Greenhalgh, M. Rogers, Innovation, Intellectual Property and Economic Growth, Princeton University Press, Princeton 2010.</li> <li>5. M. Miozzo, V. Walsh, International Competitiveness and Technological Change, Oxford University Press, Oxford 2006.</li> </ol>
Educational outcomes	<p><b>KNOWLEDGE:</b></p> <ol style="list-style-type: none"> <li>1. About different types of innovations and models of innovation</li> <li>2. About the meaning of innovations for the national economy</li> <li>3. About determinants of innovations</li> </ol> <p><b>SKILLS:</b></p> <ol style="list-style-type: none"> <li>1. of identifying strong and weak sides of countries innovation policy</li> <li>2. of proposing the way to improve innovation policy at a country level</li> </ol> <p><b>ATTITUDES:</b></p> <ol style="list-style-type: none"> <li>1. The awareness of impact of innovations on economic growth and national performance economy</li> <li>2. Ready to work in groups</li> <li>3. Can complement and improve the acquired knowledge and skills</li> </ol>
Assessment methods	Written exam and a project (50% / 50%)
A list of topics	<p>Topics:</p> <ol style="list-style-type: none"> <li>1. Innovations types and innovation creating models</li> <li>2. Impact of innovations on national economy</li> <li>3. Different kinds of measures of innovation performance</li> <li>4. Determinants of innovations creating and diffusion: <ol style="list-style-type: none"> <li>a) R&amp;D spending</li> <li>b) Intellectual property rights</li> <li>c) R&amp;D tax incentives</li> <li>d) Competition policy</li> <li>e) Education policy</li> <li>f) Innovations funding availability</li> <li>g) Foreign direct investments</li> <li>h) National culture</li> </ol> </li> </ol>
Teaching methods	Lecture, case study, creating reports in small groups