

**COURSE/MODULE DESCRIPTION (SYLLABUS)**

1.	Course/module <b>Global Tectonics</b>	
2.	Language of instruction <b>English</b>	
3.	University department <b>Faculty of Earth Science and Environmental Management, Institute of Geological Sciences, Department of Physical Geology &amp; Department of Structural Geology and Geological Cartography</b>	
4.	Course/module code <b>USOS</b>	
5.	Course/module type – mandatory (compulsory) or elective (optional) <b>Elective</b>	
6.	University subject (programme/major) <b>Geologic Engineering</b>	
7.	Degree: ( <i>master, bachelor</i> ) <b>Master</b>	
8.	Year <b>I</b>	
9.	Semester ( <i>autumn, spring</i> ) <b>Autumn</b>	
10.	Form of tuition and number of hours <b>Lecture: 30 h</b> (multimedia presentation with interactive methods)	
11.	Name, Surname, academic title <b>Lecture: Dr. Stanisław Burliga, Dr. Waldemar Sroka, et al.</b>	
12.	Initial requirements (knowledge, skills, social competences) regarding the course/module and its completion <b>Knowledge and skills obtained during BSc. level studies</b>	
13.	Objectives <b>The aim of the lecture is to extend students' knowledge on global tectonic processes. The focus of the lecture will be put on historical concepts of global tectonics, role of tectonics in sedimentary basins evolution, evolution of oceanic realm and orogenic belts, interrelation between global tectonic processes and mineral resources occurrence as well as the influence of large scale tectonics on geomorphology of the Earth.</b>	
14.	Learning outcomes <b>P_W01</b> Student obtains extensive knowledge about processes of global tectonics	Outcome symbols, <i>e.g.</i> : <b>K_W01, K_W03, K_W04</b>

	<p><b>P_W02</b> Student understands links between tectonic processes, mineral resources, and Earth's morphology</p> <p><b>P_W03</b> Student obtains overall knowledge of international terminology associated with global tectonic processes</p> <p><b>P_U01</b> Student can utilize information on aspects of global tectonics published in scientific papers, data bases and other sources</p> <p><b>P_U02</b> Student is able to understand and discuss aspects of global tectonics in English .</p> <p><b>P_K01</b> Student is able to evaluate critically scientific information and credibility of concepts and objectives related to global tectonics, basing on logical thinking and interpretation of phenomena and processes.</p>	<p><b>K_W01, K_W04</b></p> <p><b>K_W06</b></p> <p><b>K_U01</b></p> <p><b>K_U04</b></p> <p><b>K_K01</b></p>						
15.	<p>Content</p> <p>Historical perspective</p> <p>The interior of the Earth.</p> <p>Evolution of sedimentary basins.</p> <p>Evolution of oceans.</p> <p>Island arcs.</p> <p>Orogenic belts.</p> <p>Non-orogenic mountains.</p> <p>Global tectonics and resources.</p>							
16.	<p><b>Recommended literature</b></p> <p>Kearey P., Klepeis K.A., Vine F.J., 2009: Global Tectonics (Third Edition), Wiley-Blackwell, Chichester.</p> <p>Dadlez R., Jaroszewski W., 1994, Tektonika, PWN, W-wa</p> <p>Marshak S., 2007: Earth: Portrait of a Planet (Third Edition), W. W. Norton &amp; Company.</p>							
17.	<p>Methods of verification of learning outcomes:</p> <p>lecture: test</p>							
18.	<p>Ways of learning credits for the completion of a course /particular component, methods of assessing academic progress:</p> <p><b>lecture:</b> test (P_W01, P_W02, P_W03, P_U01, P_U02, P_K01)</p> <p>Positive evaluation: 50% required to pass</p>							
19.	<p>Student's workload</p> <table border="1" data-bbox="268 1697 1471 2033"> <thead> <tr> <th>Activity</th> <th>Average number of hours for the activity</th> </tr> </thead> <tbody> <tr> <td>Hours of instruction (as stipulated in study programme) : - lecture: <b>30</b> - consultations: <b>6</b> - test: <b>2</b></td> <td><b>38</b></td> </tr> <tr> <td>student's own work: - reading set literature: <b>20</b> - preparing for exam: <b>17</b></td> <td><b>37</b></td> </tr> </tbody> </table>	Activity	Average number of hours for the activity	Hours of instruction (as stipulated in study programme) : - lecture: <b>30</b> - consultations: <b>6</b> - test: <b>2</b>	<b>38</b>	student's own work: - reading set literature: <b>20</b> - preparing for exam: <b>17</b>	<b>37</b>	
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	Hours	<b>75</b>
	Number of ECTS	<b>3</b>