



## Subject card

Subject name and code	Coastal zone - elective diploma seminar , PG_00054617						
Field of study	Spatial Development						
Date of commencement of studies	February 2024	Academic year of realisation of subject			2024/2025		
Education level	second-cycle studies	Subject group					
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	2	Language of instruction			Polish		
Semester of study	3	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Urban Design and Regional Planning -> Faculty of Architecture						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. arch. Karolina Krośnicka					
	Teachers	dr hab. inż. arch. Karolina Krośnicka					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	30.0	30
	E-learning hours included: 0.0						
	Additional information: The subject of MK_12 / 2 packages consists of 2 seminar blocks:  12/2/1 - Designing of selected port terminals - 15 hours of exercises (Karolina Krośnicka)  12/2/2 - Integrated coastal zone management - 15 hours of exercises (Magdalena Matczak)						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours	Self-study	SUM		
	Number of study hours	30	0.0	0.0	30		
Subject objectives	The aim of the block 12/2/1 is to familiarize the student with the specificity of the organization and research of a complex transport node, which is a seaport, as well as the spatial planning of designing port terminals.  The aim of the block 12/2/2 is to understand Integrated Coastal Management in line with the sustainable growth principle. Presentation of broad relations and spatial, economic, social and ecological connections between sea and coastal areas with various functions.						
Learning outcomes	Course outcome	Subject outcome		Method of verification			

Subject contents	<p><b>1. Design rules for selected port terminals 12/2/1</b></p> <p>1.1. Terminal layout. 1.2. Organization of functional zones. 1.3. Operational issues, the operation of the terminal (terminal equipment, way of work) and their impact on its spatial arrangement. 1.4. Transport system serving the terminal (railway, road, pipeline system, inland navigation). 1.5. Elements of technical terminal equipment and their spatial dimension. 1.6. The method of integrating the terminal into the transport system of the port, city, agglomeration and region.</p> <p><b>2. Integrated coastal zone management 12/2/2</b></p> <p>2.1. Genesis, basics of implementation and goals of ICZM. 2.2. Legal basis: directives, ordinances, recommendations and EU guidelines, other international conventions 2.3. Legal basis and the state of implementation of ICZM in Poland. 2.4. Cross-border cooperation. 2.5. Defining the public interest in the coastal area. Principles of joint spatial management of coastal areas. 2.6. The role of individual government and self-government administration bodies in the implementation of ICZM. Examples: Coastal Service Area NORDA 2020, Logistic Valley. 2.7. INSPIRE directive. 2.8. Indicators and Measures of Sustainable Development of Coastal Areas - Projects Deduce and SDI4SEB. Applications of remote sensing and GIS in coastal zone management. 2.9. Coastal zone monitoring - GMES and Copernicus programs.</p> <p>Więcej o: 11</p>											
Prerequisites and co-requisites	Completed courses from MK_3, MK_8 and MK_9 modules at the ICZM specialization; can work in the GIS environment.											
Assessment methods and criteria	<table border="1" data-bbox="448 799 1487 907"> <thead> <tr> <th data-bbox="448 799 794 835">Subject passing criteria</th> <th data-bbox="794 799 1141 835">Passing threshold</th> <th data-bbox="1141 799 1487 835">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="448 835 794 871">block 12/2/2 - presentation</td> <td data-bbox="794 835 1141 871">100.0%</td> <td data-bbox="1141 835 1487 871">50.0%</td> </tr> <tr> <td data-bbox="448 871 794 907">block 12/2/1 - written exam</td> <td data-bbox="794 871 1141 907">100.0%</td> <td data-bbox="1141 871 1487 907">50.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	block 12/2/2 - presentation	100.0%	50.0%	block 12/2/1 - written exam	100.0%	50.0%
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Recommended reading	Basic literature	<p><b>Block 12/2/1</b></p> <ul style="list-style-type: none"> <li>• Agerschou H., Dand I., Ernst T., <i>Planning and design of ports and marine terminals</i>, wyd. drugie., Thomas Telford Ltd, 2004.</li> <li>• Böse J. W., <i>Handbook of Terminal Planning</i>. Springer-Verlag New York, 2011.</li> <li>• Gaythwaite J.W., <i>Design of Marine Facilities for the Berthing, Mooring, and Repair of Vessels</i>. Amer Society of Civil Engineers, 2004.</li> <li>• Krośnicka K. A., <i>Przestrzenne aspekty kształtowania i rozwoju morskich terminali kontenerowych</i>, Wydawnictwo PG, 2016.</li> <li>• Mazurkiewicz B. Wiśniewski F., <i>Morskie budowle hydrotechniczne. Zalecenia do projektowania, wykonywania i utrzymania</i>. Fundacja Promocji POiGM, Gdańsk 2015.</li> <li>• PIANC (Permanent International Association of Navigational Conferences)</li> <li>• Thoresen C., <i>Port designers handbook. Recommendations and guidelines</i>. Thomas Telford, London, 2003.</li> <li>• Tsinker P. (ed.), <i>Port engineering. Planning. Construction. Maintenance and security</i>. Wiley &amp; Sons, 2004.</li> </ul> <p><b>Block 12/2/2</b></p> <ul style="list-style-type: none"> <li>• Dyrektywa Parlamentu Europejskiego i Rady 2014/89/UE z dnia 23 lipca 2014 r. ustanawiająca ramy planowania przestrzennego obszarów morskich.</li> <li>• Dyrektywa Parlamentu Europejskiego i Rady ustanawiająca ramy planowania przestrzennego obszarów morskich oraz zintegrowanego zarządzania strefą przybrzeżną (COM(2013) 133 final).</li> <li>• Furmańczyk K. (red.), <i>Zintegrowane Zarządzanie Obszarami Przybrzeżnymi w Polsce stan obecny i perspektywy</i>, tom 4 Zagrożenia i systemy ostrzegania. Uniwersytet Szczeciński, 2012.</li> <li>• Furmańczyk K., Gąbiński Z. (red.), <i>Zintegrowane Zarządzanie Obszarami Przybrzeżnymi w Polsce stan obecny i perspektywy</i>, tom 5 Turystyka na nadmorskich obszarach Natura 2000 nauka i praktyka. Uniwersytet Szczeciński, 2014.</li> <li>• <i>Raport o bieżącej polityce, procedurach, podstawach prawnych i praktyce planowania przestrzennego przygotowany w ramach projektu INTERREG III B CADSES PlanCoast</i> (<a href="http://pbpr.pomorskie.eu/zzop#">http://pbpr.pomorskie.eu/zzop#</a>)</li> <li>• <i>Studium Możliwości Wdrożenie ZZOP w Województwie Pomorskim</i> (<a href="http://pbpr.pomorskie.eu/zzop#">http://pbpr.pomorskie.eu/zzop#</a>)</li> <li>• Sustainable Development Indicators for ICZM in the South-Eastern Balic (<a href="http://www.corpi.ku.it/SDI-4-SEB/foreward2.html">http://www.corpi.ku.it/SDI-4-SEB/foreward2.html</a>)</li> <li>• Zaucha J. (red.), <i>Planowanie przestrzenne obszarów morskich. Polskie uwarunkowania i plan pilotażowy</i>. Instytut Morski w Gdańsku, Gdańsk, 2009.</li> <li>• Zaucha J. (red.), <i>Studium uwarunkowań zagospodarowania przestrzennego polskich obszarów morskich wraz z analizami przestrzennymi</i>. Instytut Morski, Gdańsk, 2015 (<a href="http://www.umgd.gov.pl/?cat=96">http://www.umgd.gov.pl/?cat=96</a>)</li> <li>• Dyrektywy UE, konwencje, ustawy i rozporządzenia, KPZK 2030, strategię rozwojowe portów morskich</li> </ul>
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	Supplementary literature	<p><b>Block 12/2/1</b></p> <ul style="list-style-type: none"> <li>• Gucma S. (red.), <i>Morskie terminale promowe projektowanie i eksploatacja w ujęciu inżynierii ruchu</i>. Wyd. Fundacja Promocji POiGM, 2015</li> <li>• Mazurkiewicz B. (red.), <i>Morskie budowle hydrotechniczne. Zalecenia do projektowania i wykonywania Z 1 - Z 45</i>. wydanie V, Fundacja Promocji POiGM, Gdańsk 2008.</li> <li>• UNCTAD, <i>Port development. A handbook for planners in developing countries</i>.</li> </ul> <p><b>Block 12/2/2</b></p> <ul style="list-style-type: none"> <li>• Coastlearn A multimedia distance training package on Integrated Coastal Zone Management EUCC, 2006.</li> <li>• Furmańczyk K. (red.), <i>Zintegrowane Zarządzanie Obszarami Przybrzeżnymi w Polsce stan obecny i perspektywy</i>, tom 2 Brzeg morski zrównoważony. Uniwersytet Szczeciński, 2006.</li> <li>• Furmańczyk K. (red.), <i>Zintegrowane Zarządzanie Obszarami Przybrzeżnymi w Polsce stan obecny i perspektywy</i>, tom 3 Morze łąd wzajemne relacje. Uniwersytet Szczeciński, 2008.</li> <li>• <i>Indicators Guidelines. To adopt an indicators-based approach to evaluate coastal sustainable development</i> (<a href="http://www.im.gda.pl/images/ksiazki/2007_indicators_guidelines.pdf">http://www.im.gda.pl/images/ksiazki/2007_indicators_guidelines.pdf</a>).</li> <li>• Musielak S., Osóch P., Rabski K. (red.), <i>Transgraniczne zarządzanie wodami przejściowymi kodeks postępowania i przykłady dobrych praktyk</i>. Szczecin, 2013.</li> <li>• <i>Polska dla Bałtyku</i>. Główny Inspektorat Ochrony środowiska, 2012.</li> <li>• Schultz-Zehden A., Gee K., Scibior K., <i>Handbook on Integrated Maritime Spatial Planning</i>. S.PRO., Berlin, 2008 (<a href="http://www.plancoast.eu/files/handbook_web.pdf">http://www.plancoast.eu/files/handbook_web.pdf</a>).</li> <li>• <a href="http://ec.europa.eu/ourcoast/index.cfm?menuID=19">http://ec.europa.eu/ourcoast/index.cfm?menuID=19</a></li> </ul>
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	1. Zoning of the port terminal (e.g. container, specialized mass). 2. Impact of the port terminal on the area of the port agglomeration and the region. 3.Characteristics of threats to the coastline and the coastal zone's environment. 4. Legal basis of ICZM in Poland. 5. Goals and tasks of the Copernicus program. 6. Indicators and measures of sustainable development of coastal areas.	
Work placement	Not applicable	

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