Structural Engineering Second-cycle Studies       (ger (b)         Elective path/specialty       Sub/         Cycle of study:       Form of s         Second-cycle studies         No. of hours       Lecture:       15       Classes:       -       Projet         Lecture:       15       Classes:       -       Laboratory:       -       Projet         Status of the course in the study program (Basic, major, other)       (unive (brak))       (unive (brak))       (unive (brak))         Education areas and fields of science and at       Image: Second (Second (Se	Code		
Field of study       Profiger         Structural Engineering Second-cycle Studies       (b)         Elective path/specialty       -         Cycle of study:       Form of s         Second-cycle studies       Form of s         No. of hours       Lecture:         Lecture:       15       Classes: -       Laboratory: -       Proje         Status of the course in the study program (Basic, major, other)       (unive       (unive         (brak)       Education areas and fields of science and at       Form of s         Responsible for subject / lecturer:       dr inż. Henryk Gierszal       email: gierszal@amu.edu.pl         tel. 5023       UAM       UAM       UAM         Prerequisites in terms of knowledge, skills and social       Reasoning ability and teamwork       Education in a team to implement the         2       Skills       Collaboration in a team to implement the       Collaboration for construction         3       Social competencies       Collaboration for construction       Study outcomes and reference to the educate         Knowledge:       1.       Student has knowledgeable about doing business in the construction management companies [K_W11]       2.       Student has knowledgeable about the impact of the investment and to the skills:         1.       Student has the ability to communicate in foreign langua			
Structural Engineering Second-cycle Studies         (ger (b)           Second-cycle Studies         Subject / colspan="2">Subject / colspan="2">Subject / colspan="2">Subject / colspan="2">Colspan="2">Second-cycle Studies           No. of hours         Lecture: 15 Classes: - Laboratory: - Projection areas and fields of science and at           Responsible for subject / lecturer: dr inż. Henryk Gierszal email: gierszal@amu.edu.pl tel: 5023 UAM UAM         Basic knowledge, skills and sociation areas of mobile te competencies           Skills         Collaboration in a team to implement the competencies           Study outcomes and reference to the educata           Study outcomes and reference to the educata           Student has knowledgeable about doing business in the construction management companies [K_W11]           Student has knowledgeable about the impact of the investment and ti Skills:           1. Student has knowledgeable about to in foreign languages, including construction [K_U05]           2. Student can make the development of preparing him to undertake sci	1010102131010118002           le of study         Year /Semester		
Elective path/specialty	eral academic, practical)		
-       -         Cycle of study:       Form of s         Second-cycle studies         No. of hours       Lecture:       15       Classes:       -       Projet         Status of the course in the study program (Basic, major, other)       (unive       (Unive       (Unive         Status of the course in the study program (Basic, major, other)       (unive       (Unive       (Unive       (Unive         Status of the course in the study program (Basic, major, other)       (unive       (Unive<	rak) 2 / 3 ect offered in: Course (compulsory, elective)		
Second-cycle studies         No. of hours       Lecture:       15       Classes:       -       Laboratory:       -       Proje         Status of the course in the study program (Basic, major, other)       (unive       (u	Polish elective		
No. of hours       Lecture:       15       Classes:       -       Laboratory:       -       Projection         Status of the course in the study program (Basic, major, other)       (unive       (unive <t< td=""><td>tudy (full-time,part-time)</td></t<>	tudy (full-time,part-time)		
Lecture:       15       Classes:       -       Laboratory:       -       Proje         Status of the course in the study program (Basic, major, other)       (unive       (Unive       (Unive         Status of the course in the study program (Basic, major, other)       (unive       (Unive       (Unive         Education areas and fields of science and art       -       (Drak)       (Unive       (Unive         Responsible for subject / lecturer:       dr inž. Henryk Gierszal       email: gierszal@amu.edu.pl       tel. 5023       UAM         UAM       UAM       UAM       UAM       Dama       Secondata       Secondata         1       Knowledge       Basic knowledge of the areas of mobile to       Collaboration in a team to implement the       Secondata         2       Skills       Reasoning ability and teamwork       Secondata       Secondata <td colspan="2">full-time</td>	full-time		
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(brak)         Education areas and fields of science and art         Responsible for subject / lecturer: dr inż. Henryk Gierszal email: gierszal@amu.edu.pl tel. 5023 UAM UAM         Prerequisites in terms of knowledge, skills and socia         1       Knowledge       Basic knowledge, skills and socia         2       Skills       Reasoning ability and teamwork         3       Social competencies       Collaboration in a team to implement the         Study outcomes and reference to the educate         Knowledge:         1. Student has knowledgeable about doing business in the construction management companies [K_W11]         2. Student has knowledgeable about the impact of the investment and ti Student has knowledgeable about the impact of the investment and ti Student has the ability to communicate in foreign languages, including construction [K_U05]         2. Student can make the development of preparing him to undertake sci	ect/seminars: - 1		
Education areas and fields of science and art         Responsible for subject / lecturer:         dr inż. Henryk Gierszal         email: gierszal@amu.edu.pl         tel. 5023         UAM         Prerequisites in terms of knowledge, skills and socia         1       Knowledge         2       Skills         3       Social competencies         Collaboration in a team to implement the competencies         Familiarize students with mobile applications for construction         Study outcomes and reference to the educate         Knowledge:         1. Student has knowledgeable about doing business in the construction management companies [K_W11]         2. Student has knowledgeable about the impact of the investment and tis student has knowledgeable about the impact of the investment and tis student has knowledgeable about the impact of the investment and tis student has knowledgeable about the impact of the investment and tis student has the ability to communicate in foreign languages, including construction [K_U05]         2. Student can make the development of preparing him to undertake sci	sity-wide, from another field)		
Responsible for subject / lecturer:         dr inż. Henryk Gierszal         email: gierszal@amu.edu.pl         tel. 5023         UAM         UAM         Prerequisites in terms of knowledge, skills and socia         1       Knowledge         2       Skills         3       Social competencies         Collaboration in a team to implement the competencies         Assumptions and objectives of the course:         Familiarize students with mobile applications for construction         Study outcomes and reference to the educate         Knowledge:         1. Student has knowledgeable about doing business in the construction management companies [K_W11]         2. Student has knowledgeable about the impact of the investment and to the stills:         1. Student has the ability to communicate in foreign languages, including construction [K_U05]         2. Student can make the development of preparing him to undertake sci	(brak)		
dr inż. Henryk Gierszal         email: gierszal@amu.edu.pl         tel. 5023         UAM         VAM         VAM         Prerequisites in terms of knowledge, skills and social         1       Knowledge         Basic knowledge of the areas of mobile term         2       Skills         3       Social competencies         Assumptions and objectives of the course:         Familiarize students with mobile applications for construction         Study outcomes and reference to the educat         Knowledge:         1. Student has knowledgeable about doing business in the construction management companies [K_W11]         2. Student has knowledgeable about the impact of the investment and ti Skills:         1. Student has the ability to communicate in foreign languages, including construction [K_U05]         2. Student can make the development of preparing him to undertake sci	ECTS distribution (number and %)		
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1       Knowledge         2       Skills       Reasoning ability and teamwork         3       Social competencies       Collaboration in a team to implement the competencies         Assumptions and objectives of the course:       Familiarize students with mobile applications for construction         Study outcomes and reference to the educate the companies [K_W11]       Student has knowledgeable about doing business in the construction management companies [K_W11]         2. Student has knowledgeable about the impact of the investment and the skills:       1. Student has the ability to communicate in foreign languages, including construction [K_U05]         2. Student can make the development of preparing him to undertake sci       1. Student can make the development of preparing him to undertake sci	l competencies:		
2       Skills         3       Social competencies         Assumptions and objectives of the course:         Familiarize students with mobile applications for construction         Study outcomes and reference to the educate         Knowledge:         1. Student has knowledgeable about doing business in the construction management companies [K_W11]         2. Student has knowledgeable about infrastructure management in the f         3. Student has knowledgeable about the impact of the investment and the investment and the impact of the investment and the investment and the impact of the inves	Basic knowledge of the areas of mobile technology		
S       competencies         Assumptions and objectives of the course:         Familiarize students with mobile applications for construction         Study outcomes and reference to the educate         Knowledge:         1. Student has knowledgeable about doing business in the construction management companies [K_W11]         2. Student has knowledgeable about infrastructure management in the f         3. Student has knowledgeable about the impact of the investment and the impact of the investment and the skills:         1. Student has the ability to communicate in foreign languages, including construction [K_U05]         2. Student can make the development of preparing him to undertake sci	Reasoning ability and teamwork		
Familiarize students with mobile applications for construction         Study outcomes and reference to the educate         Knowledge:         1. Student has knowledgeable about doing business in the construction management companies [K_W11]         2. Student has knowledgeable about infrastructure management in the f         3. Student has knowledgeable about the impact of the investment and the investment and the skills:         1. Student has the ability to communicate in foreign languages, including construction [K_U05]         2. Student can make the development of preparing him to undertake sci	project.		
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<ol> <li>Student has knowledgeable about doing business in the construction management companies [K_W11]</li> <li>Student has knowledgeable about infrastructure management in the f</li> <li>Student has knowledgeable about the impact of the investment and the fixed statement in the fixed statement in the statement in the fixed statement in the statement in the fixed statement in the statement in t</li></ol>	ional results for a field of study		
<ul> <li>management companies [K_W11]</li> <li>2. Student has knowledgeable about infrastructure management in the f</li> <li>3. Student has knowledgeable about the impact of the investment and the statement of the investment and the statement in the field statement in the s</li></ul>			
<ul> <li>3. Student has knowledgeable about the impact of the investment and the stills:</li> <li>1. Student has the ability to communicate in foreign languages, including construction [K_U05]</li> <li>2. Student can make the development of preparing him to undertake sci</li> </ul>	industry. Understand the principles of financial		
Skills: 1. Student has the ability to communicate in foreign languages, including construction [K_U05] 2. Student can make the development of preparing him to undertake sci	ull life cycle of the objects [K_W19]		
<ol> <li>Student has the ability to communicate in foreign languages, including construction [K_U05]</li> <li>Student can make the development of preparing him to undertake sci</li> </ol>	ne existing buildings on the environment - [K_W13]		
construction [K_U05] 2. Student can make the development of preparing him to undertake sci			
	g technical knowledge of the language elements of		
	entific work [K_U17]		
3. Student can provide appropriate measures and safety on site - [K_U	[8]		
Social competencies:			
<ol> <li>Student can carrying out certain tasks to work independently, to work</li> <li>Student is capable to operate in the organization and environment restrict kozt</li> </ol>			
<ul><li>[K_K07]</li><li>3. Understands the need to inform the public knowledge of the construct</li></ul>	ion - [K_K08]		
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Final test

page 1 of 2

Course desc	ription	
Mobile systems for the Construction Industry		
Examples from other areas		
Basic bibliography:		
Additional bibliography:		
Result of average stud	lent's workload	
Activity		Time (working hours)
1. Work with students		15
2. Students working on their own		15
Student's wo	rkload	
Source of workload	hours	ECTS
Total workload	50	2
Contact hours	20	1
Practical activities	20	1