

<b>STUDY MODULE DESCRIPTION FORM</b>		
Name of the module/subject <b>Wood construction in terms of historical and cultural</b>		Code <b>1010115131010116280</b>
Field of study <b>Civil Engineering Extramural Second-cycle</b>	Profile of study (general academic, practical) <b>general academic</b>	Year /Semester <b>2 / 3</b>
Elective path/specialty <b>Construction Engineering and Management</b>	Subject offered in: <b>Polish</b>	Course (compulsory, elective) <b>obligatory</b>
Cycle of study: <b>Second-cycle studies</b>	Form of study (full-time,part-time) <b>part-time</b>	
No. of hours Lecture: <b>18</b> Classes: <b>-</b> Laboratory: <b>-</b> Project/seminars: <b>10</b>		No. of credits <b>3</b>
Status of the course in the study program (Basic, major, other) <b>other</b>		(university-wide, from another field) <b>university-wide</b>
Education areas and fields of science and art		ECTS distribution (number and %)
<b>Responsible for subject / lecturer:</b>  dr inż. Marcin Chybiński email: marcin.chybinski@put.poznan.pl tel. 61 665 20 91 Faculty of Civil and Environmental Engineering ul. Piotrowo 5 60-965 Poznań		
<b>Prerequisites in terms of knowledge, skills and social competencies:</b>		
1	<b>Knowledge</b>	The basic knowledge on structural mechanics and strength of materials.
2	<b>Skills</b>	Determining of the static model of a structure, determining of inner and support forces, determining of stresses and deflections in structural members.
3	<b>Social competencies</b>	Team work ability.
<b>Assumptions and objectives of the course:</b> The aim of the subject is to introduce the participants into timber structure development from the earliest historical periods to the present time.		
<b>Study outcomes and reference to the educational results for a field of study</b>		
<b>Knowledge:</b>		
1. Ability to differentiate structure types and styles from respective historical periods. - [-] 2. Knowing of ideas which led to creation of new timber structure types, mainly roof structures. - [-] 3. Knowing of timber joint designing methods resulting from wood properties. - [K_W07]		
<b>Skills:</b>		
1. Drawing sketches and static schemes of selected roof structure types. - [K_U14] 2. Designing specific elements of structure joints. - [K_U07] 3. Making technical drawings of wood structures. - [K_U14]		
<b>Social competencies:</b>		
1. Team work ability. - [K_K01]		
<b>Assessment methods of study outcomes</b>		

<p>Passing the course involves passing project seminars and lectures.          Passing project seminars involves preparation and oral project defence.          Passing lectures involves written final exam.          Exam marks scale in %:          90 very good (A)          85 good plus (B)          75 good (C)          65 satisfactory plus (D)          55 satisfactory (E)          below 54 unsatisfactory/ failed (F)</p>		
<b>Course description</b>		
<p>The aim is to make students familiar with the following issues: Beginnings of timber structure constructions in early historical and ancient periods. Construction ideas in Middle Ages illustrated with examples of roof structures. Beginning and development of purlin, collar-beam, hanger and strut structures and roofs with tilted columns. Specific regional and sacral types of timber structures in Poland.</p>		
<b>Basic bibliography:</b>		
<ol style="list-style-type: none"> <li>1. Witruwiusz: O architekturze ksią dziesięć. PWN Warszawa 1956</li> <li>2. Kopkowicz F.: Ciesielstwo polskie. Wyd. Arkady 1958</li> <li>3. Praca zbiorowa: Drewniane kościoły Wielkopolski. Poznań 2003</li> <li>4. Rapp P. : Historyczny rozwój ciesielskich konstrukcji dachowych w polskich kościołach [w R. Ganowicz: Historyczne więźby dachowe polskich kościuolów, Wyd. Akademii Rolniczej w Poznaniu, Poznan 2000]</li> <li>5. Wiśniewska M.: Osadnictwo wiejskie. Wyd. Politechniki Warszawskiej, Warszawa 1999</li> </ol>		
<b>Additional bibliography:</b>		
<ol style="list-style-type: none"> <li>1. Gloger Z.: Budownictwo drzewne i wyroby z drzewa w dawnej Polsce. Warszawa 2006 (reprint)</li> <li>2. Matlakowski W.: Budownictwo ludowe na Podhalu. (reprint z roku 1892)</li> <li>3. Jankowski A.: Kościoły drewniane o zdwojonej konstrukcji scian w Wielkopolsce. Wyd. Uniwersytetu Kazimierza wielkiego w Bydgoszczy, Bydgość 2009</li> <li>4. Ostendorf F.: Die Geschichte des Dachwerks. Hannover 1908 (reprint)</li> </ol>		
<b>Result of average student's workload</b>		
<b>Activity</b>	<b>Time (working hours)</b>	
1. Participation in lectures	18	
2. Current preparation for lectures (repeat material)	10	
3. Preparation for the final exam and the attendance at the exam	15	
4. Participation in projects	10	
5. Work on a project at home	17	
6. Preparation for a defence of the project and its defend	5	
<b>Student's workload</b>		
<b>Source of workload</b>	<b>hours</b>	<b>ECTS</b>
Total workload	75	3
Contact hours	28	1
Practical activities	47	2