

TUB Faculty of Architecture		Department of History of Architecture and of Monuments	
Name of the Subject:	History of Architecture 3. – Medieval Architecture		Neptun-code: BMEEPETA301 (2022/2023/1)
	History of Architecture 3. – Medieval Architecture		
Evaluation:	Exam.	Credit point: 3	Position in Curriculum: 3rd Semester
Lecturer:	László Daragó DLA		Prof. responsible: László Daragó DLA

COURSE REQUIREMENTS AND GOALS OF THE SUBJECT

Prerequisites:	The compulsory History of Architecture 2. –Antiquity subject of the previous semester is to be finished successfully.
Transaction:	Lectures and Practicals
Attendance requirements:	On lectures and on practicals attendance is 70% is required.
Mid-Term requirements:	Substituting the mid-term test there is a <i>freehand drawing</i> (2x A/3) to be done about the 12 Medieval vaulting forms. Deadline: 2022/12/05. 12 ⁰⁰ (personally and via Moodle) Substitution: 2022/12/16. 12 ⁰⁰ (personally and via Moodle)
Homework:	<i>Semester Drawing</i> (format A/3, 1 or two pieces) of a certain medieval building. <i>Constructed</i> plan, section, elevation, and detail with optional scales. For better marks (4, 5) one 3D drawing of a specified part of the building (1+2 half vaulting bays) can substitute the orthogonal drawings. Elevation and detail must show the plastic values of the architectural articulation. Any kind of manual and CAD rendering techniques can be used, but pencil with aquarelle is preferred. Deadline: 2022/12/05. 12 ⁰⁰ (personally and via Moodle) Substitution: 2022/12/16. 12 ⁰⁰ (personally and via Moodle)
Signature req.:	– Lecture and practical attendance: 70% is required. – Submission of the Substitution Drawings (12 vaultings).. – Submission of the Semester Drawing.
Exam attendance req.:	– Successfully accomplished fulfilment of signature requirements, – valid enrolment for the exam on Neptun system
Character of the exam:	The exclusively oral exam will be carried out online on MS Office 365 TEAMS surface. Evaluation takes also mid-term accomplishments (Semester Drawing: 20%, a Mid-Term Test substituting drawing: 15%), and oral exam: 65% into consideration. Either written or printed and electronic notes are prohibited to be used during the exam. Absence from a specific exam causes fees. In case of internet connection (technical) problems during the exam the corresponding general University rules must be followed.
Repetition of exams:	Repetition intended as an improvement or a substitution is open for the students once in a semester free of charge. The fee of the second repetition will be charged on the student.
Semester mark:	Semester mark will be determined by the weighted average of the mid-term and exam marks: Mid-Term Drawings 35% Exam 65%

THEMES - SCHEDULE

No. Edu week	LECTURES	PRACTICALS
1.	<p>September 06. Tuesday 12¹⁵-13⁴⁵</p> <ul style="list-style-type: none"> • Introduction. Outline the course requirements. • The architecture of the Late Roman Empire and its cultural background. • The born of Christianity and its „Necessity architecture”. 	<p>September 06. Tuesday 14⁰⁰-14⁴⁵:</p> <ul style="list-style-type: none"> • Outline the practical Mid-Term drawings (1. Test-Substituting Drawings TSD and 2. Semester Drawings SD). Possible SD-tasks can be downloaded from: http://www.eptort.bme.hu/oktatás/jegyzetek/oktatási_segédletek/hallgatói_segédletek/Középkori_építészettörténet_Feladatok. • Consultation of vaultings for TSD <ol style="list-style-type: none"> 1. Barrel vault with archivolts, constructed with <i>semi-circular arch</i>
2.	<p>September 13. Tuesday 12¹⁵-13⁴⁵:</p> <ul style="list-style-type: none"> • The born of the monumental Christian architecture <ul style="list-style-type: none"> - Early Christian architecture in the city of Rome. • Early Christian architecture in the eastern Provinces: <ul style="list-style-type: none"> – Palestine - imperial establishments, – North Africa - the born of Christian monasticism, – Syria - Late Roman and Oriental traditions. 	<p>September 13. Tuesday 14⁰⁰-14⁴⁵:</p> <ul style="list-style-type: none"> • Consultation of vaultings for TSD <ol style="list-style-type: none"> 2. Barrel vault with archivolts, constructed with <i>pointed arch</i>, 3. <i>Roman</i> type cross-vault,
3.	<p>September 20. Tuesday 12¹⁵-13⁴⁵:</p> <ul style="list-style-type: none"> • Early Byzantine architecture in Thessalonica and in Constantinople • Middle Byzantine 	<p>September 20. Tuesday 14⁰⁰-14⁴⁵:</p> <ul style="list-style-type: none"> • Consultation of vaultings for TSD <ol style="list-style-type: none"> 4. Pendentive dome
4.	<p>September 27. Tuesday 12¹⁵-13⁴⁵:</p> <ul style="list-style-type: none"> • National architecture around the Byz. Emp. <ul style="list-style-type: none"> – Armenian and Georgian architecture – The Balkan-peninsula – Russian Principalities • Late Byzantine architecture • Early Medieval architecture in Ravenna <ul style="list-style-type: none"> – Early Christian period, – Eastern-Gothic period, – Byzantine Exarchate 	<p>September 27. Tuesday 14⁰⁰-14⁴⁵:</p> <ul style="list-style-type: none"> • Consultation of vaultings for TSD <ol style="list-style-type: none"> 5. Cloister-vault over an octagon,
5.	<p>October 04. Tuesday 12¹⁵-13⁴⁵:</p> <ul style="list-style-type: none"> • Pre-Romanesque architecture <ul style="list-style-type: none"> – Scattered Monuments in the times of the Great Migration – Carolingian Renaissance – Imperial arch. – Carolingian Renaissance – Monastic arch. • Romanesque architecture in the German Roman Empire <ul style="list-style-type: none"> – Saxon dynasty, – (Salian-)Franc dynasty, – (Hohen-)Stauf dynasty 	<p>October 04. Tuesday 14⁰⁰-14⁴⁵:</p> <ul style="list-style-type: none"> • Consultation of vaultings for TSD <ol style="list-style-type: none"> 6. Romanesque cross-vault
6.	<p>October 11. Tuesday 12¹⁵-13⁴⁵:</p> <ul style="list-style-type: none"> • Progressive interregional tendencies in Romanesque arch. I. <ul style="list-style-type: none"> – Lombard architecture (First Romanesque) • Conservative interregional tendencies in Romanesque arch <ul style="list-style-type: none"> – Antic influences in Romanesque arch., – Byzantine influences in Romanesque arch, 	<p>October 11. Tuesday 14⁰⁰-14⁴⁵:</p> <ul style="list-style-type: none"> • Consultation of vaultings for TSD

7.	October 18. Tuesday 12 ¹⁵ -13 ⁴⁵ : Cancelled because of studio-week	October 18. Tuesday 14 ⁰⁰ -14 ⁴⁵ : Cancelled because of studio-week
8.	October 25. Tuesday 12¹⁵-13⁴⁵: <ul style="list-style-type: none"> Progressive interregional tendencies in Romanesque arch. II. <ul style="list-style-type: none"> Benedictine pilgrimage arch Cistercian Romanesque arch. Norman (Imperial) Romanesque arch. 	October 25. Tuesday 14⁰⁰-14⁴⁵: <ul style="list-style-type: none"> Consultation of vaultings for TSD <ol style="list-style-type: none"> Sexpartite vaulting (Saint-Trinité type) Sexpartite vaulting (Saint-Étienne type) Consultation of the SD.
9.	November 01. Tuesday 12 ¹⁵ -13 ⁴⁵ : Cancelled because of National Holyday (All Saints' Day)	November 01. Tuesday 14 ⁰⁰ -14 ⁴⁵ : Cancelled because of National Holyday (All Saints' Day)
10.	November 08. Tuesday 12¹⁵-13⁴⁵: <ul style="list-style-type: none"> French Gothic architecture <ul style="list-style-type: none"> Early Cathedrals in northern France Plantagenet Gothic High (Rayonnant) Gothic in northern France. Late (Flamboyant) Gothic. 	November 08. Tuesday 14⁰⁰-14⁴⁵: <ul style="list-style-type: none"> Consultation of vaultings for TSD <ol style="list-style-type: none"> Pointed arch cross-vault with even heights Consultation of the SD.
11.	November 15. Tuesday 12¹⁵-13⁴⁵: <ul style="list-style-type: none"> Interregional tendencies in Gothic architecture <ul style="list-style-type: none"> Cistercian Gothic arch. Franciscan and Dominican Gothic arch. 	November 15. Tuesday 14⁰⁰-14⁴⁵: <ul style="list-style-type: none"> Consultation of vaultings for TSD <ol style="list-style-type: none"> Pointed arch cross-vault with different heights Consultation of the SD.
12.	November 22. Tuesday 12¹⁵-13⁴⁵: <ul style="list-style-type: none"> Regional tendencies in Gothic architecture <ul style="list-style-type: none"> English Gothic arch. 	November 22. Tuesday 14⁰⁰-14⁴⁵: <ul style="list-style-type: none"> Consultation of vaultings for TSD <ol style="list-style-type: none"> Stellar vault Consultation of the SD.
13.	November 29. Tuesday 12¹⁵-13⁴⁵: <ul style="list-style-type: none"> Regional tendencies in Gothic architecture <ul style="list-style-type: none"> German Gothic arch. „Latin” Gothic arch. (Italy and Hispania) Medieval secular architecture I. 	November 29. Tuesday 14⁰⁰-14⁴⁵: <ul style="list-style-type: none"> Consultation of vaultings for TSD <ol style="list-style-type: none"> Late gothic net-vaults Consultation of the SD.
14.	December 05.: Cancelled – Studio week	December 05.: Cancelled – Studio week <i>Normal deadline for Semester Drawing, and Test substituting Drawings (free of charge)</i>
PH.	-	December 16. 12⁰⁰: <i>Substituting deadline for Semester Drawing, and Test substituting Drawings (with fee)</i>
Exam per.	Exams: 2022. December – 20, 21, 22, – 2023. January – 02, 03, 04, 05, 06, – 09, 10, 11, 12, 13, – 16, 17, 18, 19, 20.	
	Special literature: Daragó, László: “Medieval Architecture” – lecture notes http://www.eptort.bme.hu/doc/medieval/Medieval_Architecture_LN_2ed.pdf <i>Fletcher, Banister:</i> The History of Architecture on the Comparative Method” <i>Toman, Rolf:</i> Romanesque Style <i>Toman, Rolf - Beyer, Birgit - Borngässer, Barbara:</i> Gothic Style	

Briefing:

Lectures

The subject is focused on three main topics of medieval architecture: Early Christian and Byzantine, pre-Romanesque and Romanesque, and finally Gothic. Medieval period was the time, when architectural form was mainly influenced by Christian culture. That is the reason why the vast majority of the subject is dealing with sacral monuments. The boundaries of the period stretch in the timeline over the historic milestones penetrating into previous and following ages: from the 3rd century to the 16th. The geographical validity of the term: medieval overlaps the area of the former Late Roman Empire with its provinces from the Caucasian mountains to the British Isles. The first third of the subject will make the firm bases of the whole semester – that is the time, when the archetypes of the basic building forms were born. During the semester we will follow the changes of these building types. The main goal of the subject is to understand the reasons between the architectural form and the factors determining it – meanwhile gaining a relevant special literacy on the field of medieval architecture. The development of space-covering structures (vaultings) will get an exceptional attention during the semester as their diversity is outstanding in history of architecture in medieval times. Students are obliged to recall at least one building from each sub-chapter (key-monuments) presenting the reasons of their specific architectural forms.

Practices:

1. During the practises the students are to follow the drawings of vaultings presented during the consultations, but are warmly encouraged to make their own freehand ones. They must produce 2 pcs. of A/3 pencil drawings of the 12 vaultings by means of free-hand. Each vaulting must be drawn with their sketchy plan, two sections and a 3D vision. (No structural depth should be indicated.) They are obliged to recall these drawings during the exams.
2. The semester drawing contains a part of a medieval building presenting 1+2 half of a vaulting bay of the nave in 3D (“partial” or “blown up” perspective or axonometric view). It is possible to accomplish the practice with orthogonal drawings but for a reduced mark (max.: 4). The drawings are not larger than A/3, and are made with pencil or any other graphical presentation. It is also possible to build a virtual 3D model as a digital accomplishment.