

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 (2024/2025/1)
	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:	There is a compulsory <i>freehand drawing</i> (2x A/3) to be done about the 12 Medieval vaulting forms. The vaultings must be drawn as compendiums of different drawings: a sketchy plan, two sections and a 3D view. Deadline: 2024/12/02. 12 ⁰⁰ (personally and via Moodle) Substitution: 2024/12/14. 12 ⁰⁰ (personally and via Moodle)
Optional Homework:	By choosing the accomplishment of this <i>Semester Drawing</i> (format A/3, 1 or two pieces) of a particular medieval vaulting students can substitute 4 of the compendiums. It should be a <i>constructed</i> 3D drawing of a specified part of the building (1+2 half vaulting bays) as a partial section. One of the 12 vaultings must be processed, with its structural thicknesses (real constructions: ribs, archivolt, pillars, columns, capitals...) 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: 2024/12/02. 12 ⁰⁰ (personally and via Moodle) Substitution: 2024/12/14. 12 ⁰⁰ (personally and via Moodle)
Signature req.:	<ul style="list-style-type: none"> – Lecture and practical attendance: 70% is required. – Submission of the Substitution Drawings (12 vaultings). – Submission of the Semester Drawing.
Exam attendance req.:	<ul style="list-style-type: none"> – 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 personally. Evaluation takes also mid-term/practical accomplishments: 35%, 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.
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(Practical Drawings 35% Exam 65%

THEMES - SCHEDULE

No. Edu week	LECTURES	PRACTICALS
1.	September 03. Tuesday 10¹⁵-11⁴⁵ <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”. • The dawn of the monumental Christian architecture I.: <ul style="list-style-type: none"> - Early Christian architecture in the city of Rome. 	September 03. Tuesday 12⁰⁰-12⁴⁵: Outline the practical Mid-Term drawings: Compulsory Drawings (CD) and Optional Semester Drawings (OSD). Possible OSD-tasks can be downloaded from: http://www.eptort.bme.hu/oktatás/jegyzetek/oktatási_segédletek/hallgatói_egédletek/Középkori_építészettörténet <ul style="list-style-type: none"> • In situ drawing (CD): <ol style="list-style-type: none"> 1. Barrel vault with archivolts, constructed with <i>semi-circular arch</i>
2.	September 10. Tuesday 10¹⁵-11⁴⁵: <ul style="list-style-type: none"> • The dawn of the monumental Christian architecture II. - 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. 	September 10. Tuesday 12⁰⁰-12⁴⁵: In situ drawing (CD): <ol style="list-style-type: none"> 2. Barrel vault with archivolts, constructed with <i>pointed arch</i>,
3.	September 17. Tuesday 10¹⁵-11⁴⁵: Cancelled because of BME Sports-day	September 17. Tuesday 12⁰⁰-12⁴⁵: Cancelled because of BME Sports-day
4.	September 24. Tuesday 10¹⁵-11⁴⁵: <ul style="list-style-type: none"> • Early Byzantine architecture in Thessalonica and in Constantinople • Middle Byzantine 	September 24. Tuesday 12⁰⁰-12⁴⁵: <ul style="list-style-type: none"> • In situ drawing (CD): <ol style="list-style-type: none"> 3. <i>Roman</i> type cross-vault,
5.	October 01. Tuesday 10¹⁵-11⁴⁵: <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 	October 01. Tuesday 12⁰⁰-12⁴⁵: <ul style="list-style-type: none"> • In situ drawing (CD): <ol style="list-style-type: none"> 4. Pendentive dome
6.	October 08. Tuesday 10¹⁵-11⁴⁵: <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. 	October 08. Tuesday 12⁰⁰-12⁴⁵: <ul style="list-style-type: none"> • In situ drawing (CD): <ol style="list-style-type: none"> 5. Cloister-vault over an octagon
7.	October 15. Tuesday 1215-1345: Cancelled because of studio-week	October 15. Tuesday 1200-1245: Cancelled because of studio-week
8.	October 22. Tuesday 10¹⁵-11⁴⁵: <ul style="list-style-type: none"> • Romanesque architecture in the German Roman Empire <ul style="list-style-type: none"> – Saxon dynasty, – (Salian-)Franc dynasty, – (Hohen-)Stauf dynasty • Progressive interregional tendencies in Romanesque arch. I. <ul style="list-style-type: none"> – Lombard architecture (First Romanesque) 	October 22. Tuesday 12⁰⁰-12⁴⁵: <ul style="list-style-type: none"> • In situ drawing (CD): <ol style="list-style-type: none"> 6. Romanesque cross-vault
9.	October 29. Tuesday 10¹⁵-11⁴⁵: <ul style="list-style-type: none"> • Conservative interregional tendencies in Romanesque arch <ul style="list-style-type: none"> – Antic influences in Romanesque arch., – Byzantine influences in Romanesque arch., 	October 29. Tuesday 12⁰⁰-12⁴⁵: <ul style="list-style-type: none"> • Consultation of the OSD.

10.	November 05. Tuesday 10¹⁵-11⁴⁵: <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. 	November 05. Tuesday 12⁰⁰-12⁴⁵: <ul style="list-style-type: none"> In situ drawing (CD): <ol style="list-style-type: none"> Sexpartite vaulting (Saint-Trinité type) Sexpartite vaulting (Saint-Étienne type)
11.	November 12. Tuesday 10¹⁵-11⁴⁵: <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 12. Tuesday 12⁰⁰-12⁴⁵: <ul style="list-style-type: none"> In situ drawing (CD): <ol style="list-style-type: none"> Sexpartite vaulting with pointed arches Pointed arch cross-vault with even heights
12.	November 19. Tuesday 10¹⁵-11⁴⁵: <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 Regional tendencies in Gothic architecture <ul style="list-style-type: none"> English Gothic arch. 	November 19. Tuesday 12⁰⁰-12⁴⁵: <ul style="list-style-type: none"> In situ drawing (CD): <ol style="list-style-type: none"> Pointed arch cross-vault with different heights
13.	November 26. Tuesday 10¹⁵-11⁴⁵: <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 26. Tuesday 12⁰⁰-12⁴⁵: <ul style="list-style-type: none"> In situ drawing (CD): <ol style="list-style-type: none"> Late gothic net-vaults Stellar vault
14.	December 02.: Cancelled – Studio week	December 02.: Cancelled – Studio week <i>Normal deadline for Optional Semester Drawing, and Compulsory Drawings (free of charge)</i>
PH.	-	December 14. 12⁰⁰: <i>Substituting deadline for Semester Drawing, and Test substituting Drawings (with fee)</i>
Exam per.	Exams: 2023. December – 16,17,18,19,20, – 2024. January – 06,07,08,09,10, – 13,14,15, 16, 17, – 20,21,22, 23, 24,	
	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 compulsory 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 optional 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). 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.