

Architecture 143

Winter 2024

School of Architecture

S Y L L A B U S

Architecture 143

Cultural History II
Sanctuaries and Cities

Professor: Robert Jan van Pelt rjvanpel@uwaterloo.ca
Teaching Assistants: TBD

Place and Time: Tuesday: ARC 1001, 2:00 – 5:50 pm
Wednesday: ARC 1101, 2:00 – 4:50 pm

Books to be purchased:

Myths from Mesopotamia: Creation, The Flood, Gilgamesh, and Others, trans. Stephanie Dalley ed. (Oxford Paperbacks). ISBN: 978 0199538362
The Tale of Sinuhe, R.B. Parkinson trans. (Oxford Paperbacks). ISBN: 978 0199555268
Homer, *The Odyssey*, Robert Fagles trans (Penguin). ISBN: 978-0140268867
Aeschylus, *The Complete Aeschylus, vol. I: Oresteia*, Peter Burian and Alan Shapiro trans. (Oxford). ISBN: 978-0195135923
Plato, *The Last Days of Socrates*, Christopher Rowe trans. (Penguin). ISBN: 978-0140455496
The Dhammapadam, Valerie Roebuck trans. (Penguin) 978-0-140-44941-9
Confucius, *The Analects*, Annping Chin trans. (Penguin). ISBN: 978-014-310685-2
Virgil, *Aeneid*, trans. Robert Fagles (Penguin). ISBN: 978-0140455380
Saint Augustine, *Confessions of a Sinner* (Penguin) ISBN: 978-0141018836
St. Benedict, *The Rule of Benedict* (Penguin). ISBN: 978-0241251720

Selected texts from the Bible, Cicero's works, and Gregory of Tours' *History of the Franks* will be made available as a pdf.

Week I

The Mythic Age (1): The Fertile Crescent and the Beginnings of Civilization.

Readings: *Myths from Mesopotamia, Creation, The Flood, Gilgamesh, and Others*, “The Epic of Gilgamesh, standard version” (pp. 39-135) and “The Epic of Creation” (pp. 228-277).

January 09 The Origins of Permanent Human Settlement and the First Cities

January 10 Gilgamesh and the Making of Man

Week II

The Mythic Age (2): Egypt.

Readings: *The Tale of Sinuhe and Other Ancient Egyptian Poems*, “The Tale of Sinuhe” and “The Tale of the Eloquent Peasant” (pp. 21-88). “The Dialogue of a Man and his Soul” (pp. 151-165), “The Teaching of King Merikare” and “The ‘Loyalist’ Teaching” (pp. 212-245).

January 16 On the Origins of Architecture

January 17 Order Here, Chaos There

Week III

The Axial Age (1): Israel, Juda, Babylonia and Persia

Readings: *The Bible*, Genesis 1-4, 6-9, 12-23, 37-46; Exodus 1-12, 19-20, 25-27; Deuteronomy 12; 1 Kings 5-8; 2 Kings 18, 22-24; 2 Chronicles 29-32. These passages are supplied in a pdf.

January 23 The Political History of the Hebrew Bible.

January 24 The Prophets.

Week IV

The Axial Age (2): Greece, part 1

Readings: Homer, *The Odyssey*;

January 30 Winning, World-wise, Self-possessed

January 31 On Greek Classical Architecture

<i>Week V</i>	The Axial Age (3): Greece, part 2
	Readings: Aeschylus, <i>The Oresteia</i> .
	February 6 The Political Animal
	February 7 On the Greek City
<i>Week VI</i>	The Axial Age (4): Greece, part 3
	Reading: Plato, <i>The Last Days of Socrates</i> .
	February 13 Socrates: A Paradigmatic Individual
	February 14 Man as God.
<i>Week VII</i>	Reading Week
<i>Week VIII</i>	The Axial Age (4): South and South-East Asia
	Readings: <i>The Dhammapada</i>
	February 27 Hand-in of a drawing that includes six buildings or architectural ensembles discussed in the preceding weeks I to VI (10% of mark). Review of Architectural History weeks I to VI.
	February 28 The Buddha.
<i>Week IX</i>	The Axial Age (5): East Asia
	Readings: Confucius, <i>The Analects</i>
	March 5 Architectural History Test buildings 1 – 70 (10% of mark). The Authority of the Past
	March 6 The Paradox of Eternity
<i>Week X</i>	The Post-Axial Age (1): Rome, part 1
	Readings: Virgil, <i>Aeneid</i>
	March 12 The Matter of Rome
	March 13 On Piety in the Roman Manner
<i>Week XI</i>	The Post-Axial Age (2): Rome, part 2
	Readings: Some selected texts by Cicero. To be provided as pdf.

March 19 On the Laws of Nature
 March 20 Under the Roof of the Heavens

Week XII The Post-Axial Age (3): Jesus Movement and Christ Cult

Readings: *The Bible*, tbd; Augustine, *The Confessions of a Sinner*

March 26 The Kingdom of God
 March 27 Original Sin and a Complicated Life

Week XIIIa The Formation of the West

Readings: Selection from Gregory of Tours, *History of the Franks*. To be provided as a pdf.
 St. Benedict, *The Rule of Benedict*.

April 2 The Severing of East and West

Week XIIIb On the Architecture of Antiquity

Readings:
 April 3 **Hand-in of physical course journals (25% of mark); Hand-in of a drawing that includes six buildings or architectural ensembles discussed in the preceding weeks VIII to XII (10% of mark).**
 Review of Architectural History weeks VIII to XII

April 15 **Architectural History Test buildings 1 – 125 (20% of mark).**

On Keeping a Notebook

In this course we seek to build on the habit of keeping a notebook, begun in Arch 120 and 142 in the 1a term. We expect that you make one entry for each particular class. An entry should be in the English language, hand-written in a legible manner, and contain *a minimum* of 300 words. In addition, it should contain *at least* one hand-drawn sketch that records some salient aspect of the material presented in class—after all we’re in an architecture school. Every entry that meets these requirements will earn you 2.5 % of the final grade, and the twelve entries will determine 25% of the final grade. Each entry is to be submitted in pdf format to a dropbox at the course’s website on LEARN by the end of the very day in which the class was conducted. On the Friday following each class, the slides shown in the class will be posted on LEARN. With this material at hand, you are to expand on the notes made during class using this material with at least 300 words and an additional drawing. The expanded entries should be written in complete sentences that

contain at least a subject and a predicate, and not be written in point form. It should include notes on that week's readings, and provide also some deeper on its significance for you. Please mark these expanded notes as such. At the end of the course, you will submit the physical notebook containing both the notes taken in class and the expanded notes. The notebook will then be marked as a whole, with a focus on the expanded notes. This mark will determine 25% of the final grade.

On Architectural History

This course also aims to expand on your architectural-historical literacy, which is a precondition for you to both understand and participate in architectural culture.

Architectural-historical literacy includes a basic understanding of the major architectural styles, typologies, and symbols, major architects, and key stories that shape architectural history as a story. As Arch 143 covers the period from the beginning of civilization up to the year 600 CE, you will have to show familiarity with major buildings constructed in that era.

In this course you will have to produce two drawings that include six buildings or architectural ensembles. This first drawing will cover buildings discussed in weeks I to VI, and the second buildings discussed in weeks VIII to XII. The buildings are listed below. These buildings are to be drawn at the same scale in an isometric projection. Ideally, these buildings will come from different cultures or periods. Each of these two drawings will earn you 10% of the final grade. The following buildings will be discussed in class. Buildings 1 – 70 will be the object of the first exam, and all the buildings will be the object of the second exam.

	Type	Place	Name	Date
WEEK I				
<i>Caves and Primitive Huts</i>				
01	Hut	Terra Amata	n/a	380000 BCE
02	Cave	Lascaux	n/a	17000
03	Hut	Mezhyrich	Bone Hut	15000
04	Settlement	Banpo	n/a	5000 BCE
<i>Fertile Crescent I: Origins</i>				
05	Sanctuary	Göbekli Tepe	n/a	11000
06	Fortification	Jericho	n/a	7500
07	Settlement	Catalhöyük	n/a	7000
08	Desert Kites	Jordan	n/a	7000
09	Settlement	Hassuna	n/a	5700

Fertile Crescent 2: Mesopotamia

10	Sanctuary	Eridu	Temple of Enki	5000 - 3500
11	Sanctuary	Uruk	White Temple	3400
12	Sanctuary	Khafaje	Oval Temple	2650
13	Palace	Mari	P. of Zimrilin	2250
14	Ziggurat	Ur	Z. of Ur-Namm	2015 - 550
15	City Map	Nippur	n/a	1500

WEEK II

Fertile Crescent 3: Egypt

16	Funerary Complex	Saqqara	Djoser's Tomb	2650
17	Pyramid	Gizeh	Pyramid of Khufu	2570
18	Mortuary Temple	Deir el-Bahri	T. of Mentuhotep	2010
19	Mortuary Temple	Deir-el-Bahri	T. of Hatshepsut	1480
20	Sanctuary	Luxor/Thebes	T. of Amon-Ra	1400-1250
21	Sanctuary	Akhentaton	Temple of Aton	1340
22	Sanctuary	El-Karnak/Thebes	Great T. of Amon	1400-1290
23	Sanctuary	Philae	Temple of Isis	370
24	Sanctuary	Edfu	Temple of Horus	237

WEEK III

Israel / Juda

25	Sanctuary	Jerusalem	Temple of Solomon	950
26	Sanctuary	no location	Tabernacle of Moses	700
27	Sanctuary	future	Temple of Ezekiel	500
28	Sanctuary	Jerusalem	Temple of Herod	0 CE

The Assyrian and Neo-Babylonian (Chaldean) Empires

29	Sanctuary	Sippar	Temple of Shamash	850
30	Palace	Khorsabad	P. of Sargon II	705
31	Ziggurat	New Babylon	Entemenanki	570
32	Fortification	New Babylon	Ishtar Gate	575

Persia

33	Palace	Persepolis		500
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WEEKS IV, V AND VI

European Neolithic cultures

34	Sanctuary	Carnac	Megaliths	4000-2500
35	Sanctuary	Malta	Hagar Qim	3600-2500
36	Sanctuary	Wiltshire	Stonehenge	3000-2000

Minoan Civilization

37	Palace	Knossos (Crete)		
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Trojan and Mycenaean Civilization

48	City	Hissarlik (Troy)	n/a	3000-1250
39	Palace	Mycenae	n/a	1600-1200
40	Palace	Tiryns	n/a	1400-1200
41	Palace	Pylos	Nestor's Palace	1400

Classical Greek and Hellenistic Civilization

45	Sanctuary	Samos	n/a	650
46	Sanctuary	Olympia	Temple of Hera	600
47	Ensemble	Delphi		600 - 300
48	Sanctuary	Paestum	Temple of Hera 1	550
49	Sanctuary	Ephesus	T. of Artemis II	550
50	Acropolis	Athens	n/a	550 – 300
51	Agora	Athens	n/a	550 - 100
52	Theatre	Athens	T. of Dionysios	550 – 350
53	Temple	Paestum	Temple of Athena	500
54	Sanctuary	Aegina	T. of Aphaia	500
55	Sanctuary	Olympia	T. of Zeus	470
56	City	Miletus	n/a	470
57	Stoa	Athens	Paintes Stoa	470
58	Sanctuary	Bassae	T. of Apollo	450
59	Sanctuary	Athens	T. of Hephaistos	449
60	Sanctuary	Athens	Parthenon	447
61	Sanctuary	Agrigento	T. of Concordia	440
62	Gate	Athens	Propylaea	437
63	Sanctuary	Athens	Erechtheion	420
64	Sanctuary	Athens	T. of Athena Nike	420
65	City	Priene	n/a	350
66	Tomb	Halicarnassus	T. of K. Mausolos	350
67	Theatre	Epidaurus	n/a	340
68	Monument	Athens	M. of Lysicrates	335
69	Altar	Pergamon	(now in Berlin)	160
70	Stoa	Athens	Stoa of Attalos	159

WEEK VIII

Indus Civilization

71	Settlement	Mohenjo-Daro	n/a
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Early India

72	Memorial	Sanchi	Great Stupa	250
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Southeast Asia

73	Shrine	Magelang	Burubudur	800 CE
74	City	Angkor	n/a	800-1200 CE

WEEK IX

Early China

75	Palace	Erlitou	reconstruction	2000
76	Palace	Yinxu	reconstruction	1200
77	Ruler's City	anywhere	wangcheng	700
78	Tomb	Xi'an	Shi Huangdi's tomb	210
79	Fortification	North China	Great Wall	200-1368 CE
80	Funerary models	China	models	100
81	House	China	Siheyuan	n/a

Tang China

82	City	Chang'an	n/a	580
83	Pagoda	Xi'an	Big Wild Goose P.	652
84	Temple	Doucun	Nanchan Temple	782

Japan

85	Sanctuary	Ise	n/a	792-today
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WEEKS X AND XI

Roman Civilization

86	Sewer	Rome (For. Rom.)	Cloaca Maxima	600
87	Capitol	Rome		600-100CE
88	Forum	Rome	Forum, Romanum	600-300CE
89	Sanctuary	Rome (Cap.)	Temple of Jupiter	500
90	Sanctuary	Rome	T. of Fortuna Virilis	120
91	House	Pompeii	House of the Faun	100

92	Archive	Rome (Cap.)	Tabularium	78
93	Basilica	Rome (For. Rom.)	Basilica Julia	46
94	Forum	Rome	Forum of Augustus	40-2
95	Altar	Rome	Ara Pacis	9
96	Sanctuary	Nîmes,	Maison Carrée	4 CE
97	Theatre	Orange	n/a	10
98	Aqueduct	Gardon River	Pont du Gard	50
98	Forum	Pompeii	n/a	62
99	Amphitheatre	Rome	Colosseum	72
100	Triumphal Arch	Rome (For. Rom.)	Arch of Titus	82
101	City	Timgad	n/a	100
102	Market	Rome	Market of Trajan	110
103	Sanctuary	Rome	Pantheon	125
104	Library	Ephesus	L. of Celsus	115
105	Villa	Tivoli	Hadrian's Villa	125
106	Baths	Rome	B. of Caracalla	215
107	Baths	Rome	B. of Diocletian	298
108	Basilica	Rome (For. Rom.)	B. of Maxentius	312
109	Triumphal Arch	Rome (For. Rom.)	A. of Constantine	315

WEEK XII

Early Christian Civilization

110	Church	Rome	S. Peter's	326
111	Baptistery	Rome	Lateran B.	315
112	Church & Tomb	Jerusalem	Holy Sepulchre	326
113	Mausoleum	Ravenna	M. of Galla Placida	430
114	Baptistery	Ravenna	Orthodox Baptistry	430
115	Church	Rome	S. Maria Maggiore	432
116	Church	Ravenna	S. Vitale	526
117	Church	Istanbul	Hagia Sophia	537

WEEK XIII

Merovingian and Frankish Civilization

118	Baptistery	Poitiers	n/a	510
119	Chapel	Aachen	Charlemagne's C.	800
120	Abbey	anywhere	Plan of St Gall	800

Early Muslim Civilization

121	Shrine	Jerusalem	Dome of the Rock	690
122	Mosque	Damascus	Great Mosque	715

Mesoamerican Cultures

123	Sanctuary	Monte Albán	Platforms & courts	500-200 BCE
124	Pyramid	Teotihuacán	Sun Pyramid	100 CE
125	Pyramid	Chichén Itzá	El Castillo P.	890

Summary Assessment

Weekly notebook entry:	25% of final mark.
Drawing 1:	10% of final mark
Architectural history test 1:	10% of final mark
Drawing 2:	10% of final mark
Architectural history test 2:	20% of final mark
Notebook:	25% of final mark

ETCETERA

Moving to the mundane, here the basic rule that governs class time: electronic communication devices, ipads, tablets, androids and computers, must be turned off for the duration of the class and cannot be on your desk. This means that you will have to make your notes by hand with pencil, marker or pen on paper, either single sheets to be assembled in binders, or in notebooks of your choice. For those of you who wonder why I exclude the use of other electronic means as tools of note-taking, the following: the great majority of students are more engaged in class discussion when they are laptop-free. In some classes computers might be necessary, but in the cultural history classes they are only a nuisance. So when you need to surf the web, or check your email or messages: you'll have to wait until the break, or the end of the class.

Course Delivery Platforms & Communication

The course will be given in person. LEARN will be used for additional communication outside of class hours, for the posting of slide lectures given in class, and for the submission of the first two edited journals. Microsoft Teams will be used as a course delivery platform in case the Covid pandemic forces us to switch to virtual classes.

COVID-19 Special Statement

Given the on-going situation around COVID-19, students are to refer to the University of Waterloo's developing information resource page (<https://uwaterloo.ca/coronavirus/>) for up-to-date information on academic updates, health services, important dates, co-op, accommodation rules and other university level responses to COVID-19.

Fair Contingencies for Emergency Remote Teaching

To provide contingency for unforeseen circumstances, the instructor reserves the right to modify course topics and/or assessments and/or weight and/or deadlines with due and fair notice to students. In the event of such challenges, the instructor will work with the School of Architecture and the Faculty of Engineering to find reasonable and fair solutions that respect rights and workloads of students, staff, and faculty.

Late Work

Assignments that are handed in late will receive an initial penalty of 5% on the first calendar day late and a 5% penalty per calendar day thereafter. After 5 calendar days, the assignment will receive a 0%. Only in the case of a justified medical or personal reason will these penalties be waived, and only if these have been officially submitted to the Undergraduate Student Services Co-Ordinator and accepted by the Undergraduate Office. Students seeking accommodations due to COVID-19, are to follow Covid-19-related accommodations as outlined by the university here: (<https://uwaterloo.ca/coronavirus/academic-information#accommodations>).

Passing Grade

A passing grade in Arch 143 is 50%.

The So-Called “Small Print”

Mental Health Support

All of us need a support system. We encourage you to seek out mental health supports when they are needed. Please reach out to Campus Wellness (<https://uwaterloo.ca/campus-wellness/>) and Counselling Services (<https://uwaterloo.ca/campus-wellness/counselling-services>). We understand that these circumstances can be troubling, and you may need to speak with someone for emotional support. Good2Talk (<https://good2talk.ca/>) is a post-secondary student helpline based in Ontario, Canada that is available to all students.

Equity, Diversity and Inclusion Commitment

At the School of Architecture, we are committed to foster and support equity, diversity and inclusion. We recognize however, that discrimination does occur, sometimes through an isolated act of discrimination, but also through practices and policies that must be rewritten. If you ever experience discrimination and need to report on instances of micro-aggressions and other forms of racism, sexism, discrimination against LGBTQ2S+, or disability, please note that there are different pathways to report these instances:

- A. If you feel comfortable bringing this up directly with the faculty, staff or student who has said or done something offensive, we invite you, or a friend, to speak directly with this person. People make mistakes and dealing them directly in the present may be the most effective means of addressing the issue.

- B. If you do not wish to bring this up with this person directly, you are invited to reach out to the undergraduate coordinator (Becky Moore), the undergraduate officer (Terri Boake) or the director (Maya Przybylski). If you contact any of these people in confidence, they are bound to preserve your anonymity and will be able to follow up on the report.
- C. You may also choose to report centrally to the Equity Office. The Equity Office can be reached by emailing equity@uwaterloo.ca. More information on the functions and services of the equity office can be found here: <https://uwaterloo.ca/human-rights-equity-inclusion/about/equity-office>.
- D. Racial Advocacy for Inclusion, Solidarity and Equity (RAISE) is a student-led Waterloo Undergraduate Student Association (WUSA) service. RAISE serves to address racism and xenophobia on the University of Waterloo campus with initiatives reflective of RAISE's three pillars of Education and Advocacy, Peer-to-Peer Support, and Community Building. The initiatives include but are not limited to: formal means to report and confront racism, accessible and considerate peer-support, and organization of social events to cultivate both an uplifting and united community. You can report an incident using their online form.

Academic Integrity

In order to maintain a culture of academic integrity, members of the University of Waterloo community are expected to promote honesty, trust, fairness, respect and responsibility. [Check the Office of Academic Integrity for more information.]

Grievance

A student who believes that a decision affecting some aspect of his/her university life has been unfair or unreasonable may have grounds for initiating a grievance. Read Policy 70, Student Petitions and Grievances, Section 4. When in doubt, please be certain to contact the department's administrative assistant who will provide further assistance.

Discipline

A student is expected to know what constitutes academic integrity to avoid committing an academic offence, and to take responsibility for his/her actions. [Check the Office of Academic Integrity for more information.] A student who is unsure whether an action constitutes an offence, or who needs help in learning how to avoid offences (e.g., plagiarism, cheating) or about "rules" for group work/collaboration should seek guidance from the course instructor, academic advisor, or the undergraduate associate dean. For information on categories of offences and types of penalties, students should refer to Policy 71, Student Discipline. For typical penalties, check Guidelines for the Assessment of Penalties.

Appeals

A decision made or penalty imposed under Policy 70, Student Petitions and Grievances (other than a petition) or Policy 71, Student Discipline may be appealed if there is a ground. A student who believes he/she has a ground for an appeal should refer to Policy 72, Student Appeals.

Note for students with disabilities

AccessAbility Services, located in Needles Hall, Room 1401, collaborates with all academic departments to arrange appropriate accommodations for students with disabilities without compromising the academic integrity of the curriculum. If you require academic accommodations

to lessen the impact of your disability, please register with AccessAbility Services at the beginning of each academic term.