Architecture 143   Winter 2019

School of Architecture

S Y L L A B U S

Architecture 143

Cultural History II
The Classical World and the Foundations of Europe.

Professor: Robert Jan van Pelt   Office: 2022
Teaching Assistants: Andrea Quinn   Office: 3018
                                 Victor Tulceanu   Office: 3011

Place and Time: Tuesday: Main Lecture Theatre, 2:00 – 4:50 pm
                              Wednesday: Main Lecture Theatre, 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
The Bible, David Norton ed. (Penguin). ISBN: 978-0141441511
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
Plutarch, *The Rise and Fall of Athens.* Ian Scott-Kilvert trans. (Penguin). ISBN: 978-
        0140441024
Plato, *The Symposium*, Christopher Gill and Desmond Lee trans. (Penguin). ISBN: 978-
        0141023847
Epictetus, *Of Human Freedom* (Penguin). ISBN: 9780141192352
Confucius, *The First Ten Books*, D.C. Lau trans. (Penguin). ISBN: 978-0141023809
Lao Tzu, *Tao Te Ching* (Penguin). ISBN: 978-0141043685
Virgil, *Aeneid*, trans. Robert Fagles (Penguin). ISBN: 978-0140455380
Suetonius, *The Twelve Caesars* (Penguin). ISBN: 978-0241261675
Saint Augustine, *Confessions of a Sinner* (Penguin) ISBN: 978-0141018836
St. Benedict, *The Rule of Benedict* (Penguin). ISBN: 978-024125172
Gregory of Tours, *History of the Franks*, trans. Lewish Thorpe (Penguin). ISBN: 978-
        0140442953

Schedule:

Week I	The Mythic Age (1): The Fertile Crescent and the Beginnings of Civilization. *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 9 am January 9 pm	Lecture: The origins of human settlement Lecture: Gilgamesh and the making of Man
Week II	The Mythic Age (2): Egypt. *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 15 January 16	Lecture: On the Origins of Architecture Lecture: On Order Here, and Chaos There
Week III	The Axial Age (1): Israel and Juda. *The Bible*,
January 22 January 23	Lecture: A Quick Introduction to the Political History of the Hebrew Peoples and the Formation of the Hebrew Bible. The Prophets.
Week IV	The Axial Age (2): Greece, part 1 Homer, *The Odyssey*.
January 29 January 30	Lecture. On the Origins of Greek Civilization. **Test 1: Material read and discussed in Weeks 1 to 3. (25% of term mark)** Lecture. "Winning, World-wise, Self-possessed"
Week V	The Axial Age (3): Greece, part 2 Aeschylus, *The Oresteia*; Plutarch, *The Rise and Fall of Athens*.
February 5 February 6	Lecture: On the Political Animal Lecture: The Apex That Was Classical Athens
Week VI	The Axial Age (4): Greece, part 3 Plato, *The Symposium*; Epictetus, *Of Human Freedom*
February 12	Lecture: Socrates: A Paradigmatic Individual

February 13	Lecture: Man as God.
Week VII	Reading Week
February 19	No class
February 20	No class
Week VIII	The Axial Age (5): China Confucius, *The First Ten Books*; Lao Tzu, *Tao Te Ching*
February 26	Lecture: Confucius: A Paradigmatic Individual
February 27	Lecture: Between the Authority of the Past and the Paradoxes of Eternity
Week IX	The Post-Axial Age (1): Rome, part 1 Virgil, *Aeneid*
March 5	**Test 2: Material read and discussed in Weeks 4 to 8 (25% of term mark)**. Lecture: The Matter of Rome
March 6	Lecture: On Piety in the Roman Manner
Week X	The Post-Axial Age (2): Rome, part 2 Suetonius, *The Twelve Caesars*
March 12	Lecture: On the Laws of Nature
March 13	**Hand-in Drawing (25% of term mark).** Lecture: Under the Roof of the Heavens
Week XI	The Post-Axial Age (3): From Jesus Movement to Christ Cult *The Bible*
March 19	Lecture: On the Kingdom of God
March 20	Lecture: The Christ Cult
Week XII	The Formation of the West (1): Late Antiquity, part 1 Augustine, *The Confessions*; St. Benedict, *The Rule of Benedict*
March 26	Lecture: Reflections on a Complicated Life
March 27	Lecture: Christendom
Week XIII	The Formation of the West (2): Late Antiquity, part 2 Gregory of Tours, *History of the Franks*
April 2	Lecture: The Franks

April 3 **Test 3: Material read and discussed in Weeks 9 to 13 (25% of term mark)**.

On Architectural History

This course also aims, in addition to providing a grounding in the world of Middle Eastern and European Antiquity, also a first overview of the history of architecture of the West—that is the tradition that is the primary context of contemporary architecture in North America, the tradition to which you will most likely make a contribution in the future. At the end of your first year in architecture school, you should have the beginning of a architectural-historical literacy, which is a pre-condition 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 800 CE, you will have to show familiarity with major buildings constructed in that era.

One part of each of the three tests will examine your understanding of architectural history as discussed in this course. The test will consist of two parts. The first one is a simple recogntion test: you'll be presented with 10 slides of buildings, each showing for 20 seconds a significant aspect or key detail of a building discussed in class, and you will have to identify that building correctly by providing the building type, name building, date by century, architect or patron (if known). Each correct answer will be worth 2.5% of the test, thus getting all the buildings represents 25% of the mark of the test.

You will need to identify the following hundred buildings and architectural ensembles:

	Type	Place	Name	Date
	Fertile Crescent 1: Origins			
01	Sanctuary	Anatolia	Göbekli Tepe	9600 BCE
02	Fortification	Jericho	City Wall	7500
03	Settlement	Anatolia	Catalhöyük	7000
04	Desert Kites	Jordan	n/a	7000
05	Settlement	Hassuna	n/a	5700
	Fertile Crescent 2: Mesopotamia			
06	City	Uruk	n/a	3800
07	Sanctuary	Uruk	White Temple	3400
08	Sanctuaries	Eridu	Apsu	4300 - 2050
09	Ziggurat	Ur	Ziggurat	2015 - 550
10	Sanctuary	Nippur	Enlil's House	2500 - 2200

11	Sanctuary	Sippar	Temple of Shamash	850
12	Ziggurat	Babylon	Etaminanki	575
13	Fortification	Babylon	Ishtar's Gate	575

Fertile Crescent 3: Egypt

14	Funerary Complex	Saqqara	Zoser's Tomb	2650
15	Pyramid	Gizeh	Pyramid of Khafre	2550
16	Mortuary Temple	Deir el-Bahri	T. of Nebhepetre	2030
17	Mortuary Temple	Deir-el-Bahri	T. of Hatshepsut	1450
18	Sanctuary	Luxor/Thebes		1400
19	Sanctuary	El-Amarna/Akhetaton	Temple of Aton	1350
20	Sanctuary	El-Karnak/Thebes	Great T. of Amon	1290
21	Sanctuary	Philae	Temple of Isis	370
22	Sanctuary	Edfu	Temple of Horus	237

European Neolithic cultures

| 23 | Sanctuary | Wiltshire | Stonehenge | 3000-2000 |
| 24 | Sanctuary | Malta | | 3000-2000 |

Minoan Civilization

| 25 | Palace | Knossos (Crete) | n/a | 2000–1400 |

Indus Civilization

| 26 | Settlement | Mohenjo-daro (Pakistan) | | 2500 |

Early China

27	Palace	Erlitou	reconstruction	2000
28	Palace	Yinxu	reconstruction	1200
29	City	Wang Cheng	plan	1000
30	Funerary models	China	models	100

Troyan and Mycenaean Civilization

31	City	Hissarlik (Troy)		3000-1250
32	Palace	Mycenaea		1400
33	Palace	Tiryns	n/a	1400
34	Palace	Pylos	Nestor's Palace	1400

Israel / Juda

| 35 | Sanctuary | Jerusalem | Temple of Solomon | 950 |

36	Sanctuary	no location	Tabernacle of Moses	700 BCE
37	Sanctuary	future	Temple of Ezekiel	500 BCE
38	Sanctuary	Jerusalem	Temple of Herod	0 CE

Classical Greek and Hellenistic Civilization

39	Sanctuary	Samos	n/a	650
40	Sanctuary	Olympia	Temple of Hera	600
41	Ensemble	Delphi		600 - 300
42	Sanctuary	Paestum	Temple of Hera 1	550
43	Sanctuary	Ephesus	T. of Artemis II	550
44	Acropolis	Athens	n/a	550 – 300
45	Agora	Athens	n/a	550 - 100
46	Theatre	Athens	T. of Dionysiois	550 – 350
47	Sanctuary	Aegina	T. of Aphaia	490
48	Sanctuary	Olympia	T. of Zeus	470
49	Sanctuary	Bassae	T. of Apollo Epicurius	450
50	City	Miletus		450
51	Sanctuary	Athens	T. of Hephaistos	449
52	Sanctuary	Athens	Parthenon	447
53	Sanctuary	Agrigento	T. of Concordia	440
54	Gate	Athens	Propylaea	437
55	Sanctuary	Athens	Erechtheion	420
56	Sanctuary	Athens	T. of Athena Nike	420
57	City	Priene	n/a	350
58	Tomb	Halicarnassus	T. of K. Mausolos	350
59	Theatre	Epidaurus	n/a	340
60	Monument	Athens	M. of Lysicrates	
61	Sanctuary	Ephesus	T. of Artemis III	323
62	Sanctuary	Kos	Asclepeion	242
63	Altar	Pergamon	(now in Berlin)	160
64	Stoa	Athens	Stoa of Attalos	159

Persian Civilization

| 65 | Palace | Persepolis | | 515 |

Roman Civilization

66	Sewer	Rome (For. Rom.)	Cloaca Maxima	600
67	Capitol	Rome		600-100CE
68	Forum Romanum	Rome		600-300CE
69	Sanctuary	Rome (Cap.)	Temple of Jupiter	500
70	Sanctuary	Rome	T. of Fortuna Virilis	120

71	House	Pompeii	House of the Faun	100
72	Archive	Rome (Cap.)	Tabularium	78
73	Basilica	Rome (For. Rom.)	Basilica Julia	46
74	Sanctuary	Vienne	T. of August and Julia	27
75	Sanctuary	Nîmes,	Maison Carrée	4 CE
76	Theatre	Orange	n/a	10
77	Aquaduct	Gardon River	Pont du Gard	50
78	Amphitheatre	Rome	Colosseum	72
79	Triumphal Arch	Rome (For. Rom.)	Arch of Titus	82
80	City	Timgad		110
81	Sanctuary	Rome	Pantheon	113
82	Library	Ephesus	L. of Celsus	115
83	Villa	Tivoli	Hadrian's Villa	120
84	Baths	Rome	B. of Caracalla	215
85	Baths	Rome	B. of Diocletian	298
86	Basilica	Rome (For. Rom.)	B. of Maxentius	312
87	Triumphal Arch	Rome (For.Rom.)	A. of Constantine	315

Early Christian Civilization

88	Church	Rome	S. Peter's	320
89	Church	Rome	S. Maria Maggiore	432
90	Baptistery	Rome	Lateran B.	440
91	Mausoleum	Ravenna	M. of Galla Placida	450
92	Baptistery	Ravenna	Arian Baptistry	500
93	Church	Ravenna	S. Vitale	526
94	Church	Istanbul	Hagia Sophia	537

Merovingian and Frankish Civilization

95	Baptistery	Poitiers	n/a	510
96	Chapel	Aachen	Charlemagne's C.	800
97	Abbey	anywhere	Plan of St Gall	800
98	Abbey	Saint-Riquier	"Centula"	800

Early Muslim Civilization

99	Shrine	Jerusalem	Dome of the Rock	680
100	Mosque	Damascus	Great M. of Damascus	715

On the Research Project to be undertaken in Arch 246.

The research project will be a group project, involving 4 or 5 members, which focuses on one of the buildings listed above.

        The deliverables are:

1.   a scaled set of drawings (50% of the mark) containing
     a.   a plan;
     b.   a front elevation;
     c.   a side elevation,
     d.   a section;
     e.   a key detail;
     f.   a worm's eye view of one or more bays, following the method pioneered by Auguste Choisy in his *Histoire de L'Architecture*.
2.   a research report (50% of the mark) that describes the way you researched and made the drawings and that consists of:
     a.   a title page;
     b.   an abstract;
     c.   an illustrated introduction that includes a short architectural history of the building under consideration;
     d.   a justification of the choice of the building;
     e.   a justification of the choice of detail;
     f.   description of the method followed;
     g.   an illustrated description of the information used;
     h.   a description of the research process on chronological order;
     i.   a summation of the results;
     j.   a critique of the results;
     k.   a conclusion;
     l.   a bibliography.

Each group must choose as its focus a relatively complex building constructed in the time period under discussion. After you have made your choice, present it for approval to a panel consisting of Andrea Quinn, Victor Tulceanu and Robert Jan van Pelt. Approval will take into account the level of complexity of the project: do not choose a building that would be too easy to research, draw and model.

Etcetera

Moving from the sublime to the mundane, once again here the basic rule that governs class time: pagers, i- or other phones, blackberries, other electronic voice or e-mail communication devices, ipads, tablets, androids and computers, must be turned off for the duration of the class. 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. There is little need to address the lack of civility shown when one answers a phone class in class.

Also, for the record, the so-called "small print." But, despite the fact it is in small print, don't ignore it.

Avoidance of Academic Offenses

Academic Integrity: To create and promote a culture of academic integrity, the behaviour of all members of the University of Waterloo is based on honesty, trust, fairness, respect and responsibility.

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,
        http://www.adm.uwaterloo.ca/infosec/Policies/policy70.htm
Discipline: A student is expected to know what constitutes academic integrity, to avoid committing academic offenses, and to take responsibility for his/her actions. A student who is unsure whether an action constitutes an offense, or who needs help in learning how to avoid offenses (e.g., plagiarism, cheating) or about "rules" for group work/collaboration should seek guidance from the course professor, academic advisor, or the Undergraduate Associate Dean. When misconduct has been found to have occurred, disciplinary penalties will be imposed under Policy 71 – Student Discipline. For information on categories of offenses and types of penalties, students should refer to Policy 71 - Student Discipline,
        http://www.adm.uwaterloo.ca/infosec/Policies/policy71.htm
Appeals: A student may appeal the finding and/or penalty in a decision made under Policy 70 - Student Petitions and Grievances (other than regarding a petition) or Policy 71 - Student Discipline if a ground for an appeal can be established. Read Policy 72 - Student Appeals,
        http://www.adm.uwaterloo.ca/infosec/Policies/policy72.htm