

Arch 565 - Advanced Computer Applications II - Fall 2025

Tuesdays and Thursdays 15:05-16:20

Week	Day	Date		Notes	Assignment due	Reference Material
1.00	Wednesday Thursday Friday	Aug 20 Aug 21 Aug 22	—	Class Start First Day of Class - course introduction		paper and stick
2.00	Monday Tuesday Wednesday Thursday Friday	Aug 25 Aug 26 Aug 27 Aug 28 Aug 29	Site	Gathering Site data - LiDAR		Cloud Compare
				Plotting Site data - Cadastral / OSM - Data Combination		Heron and Elk for GH
3.00	Monday Tuesday Wednesday Thursday Friday	Sep 1 Sep 2 Sep 3 Sep 4 Sep 5		Labor Day (no classes) Physical modeling - digital automation Last day to self drop Work day / model making		GH
4.00	Monday Tuesday Wednesday Thursday Friday	Sep 8 Sep 9 Sep 10 Sep 11 Sep 12	Env.	Gathering Environmental Data Last day to drop via advisor without a "W" grade Presenting Environmental Data		Pollination / Ladybug
5.00	Monday Tuesday Wednesday Thursday Friday	Sep 15 Sep 16 Sep 10 Sep 18 Sep 19	Int-op	AIA conference - Start Rhino to Revit & Rhino Inside Revit Model Modes - Visual / Physical / Analytical AIA conference - End	01 - Site Model Due	Rhino, Grasshopper, Revit
6.00	Monday Tuesday Wednesday Thursday Friday	Sep 22 Sep 23 Sep 24 Sep 25 Sep 26	Design	Datasets - Series, lists, and Data Structures		Modelab Primer
				Composing Algorithms - expressions and code nodes		
7.00	Monday Tuesday Wednesday Thursday Friday	Sep 29 Sep 30 Oct 1 Oct 2 Oct 3		Physics Based Modeling - Simulation in Kangaroo Physics Based Modeling - Part 2		Daniel Piker Lecture Form and forces - John Ochsendorf
8.00	Monday Tuesday Wednesday Thursday Friday	Oct 6 Oct 7 Oct 8 Oct 9 Oct 10	Design	Environmental Based Modeling - building skins Responsive Skins Celebration of Architecture	02 - Linking Software	https://brg.ethz.ch/ Envrinmental Analysis Video
9.00	Monday Tuesday Wednesday Thursday Friday	Oct 13 Oct 14 Oct 15 Oct 16 Oct 17		Workshop - Modeling Workshop - Modeling		Rhino, Grasshopper, Revit
10.00	Monday Tuesday Wednesday Thursday Friday	Oct 20 Oct 21 Oct 22 Oct 23 Oct 24		Advanced Modeling - Creating Shop Drawings / LOD Advanced Modeling - Part 2	03 - Digital Design Model	
11.00	Monday Tuesday Wednesday Thursday Friday	Oct 27 Oct 28 Oct 29 Oct 30 Oct 31	Fab.	Workshop - making Last day to drop with a "W" grade via advisor Workshop - making		
12.00	Monday Tuesday Wednesday Thursday Friday	Nov 3 Nov 4 Nov 5 Nov 6 Nov 7	Pres.	Rendering Advanced Modeling - Part 2		Twinmotion / D5
13.00	Monday Tuesday Wednesday Thursday Friday	Nov 10 Nov 11 Nov 12 Nov 13 Nov 14		Veteran's Day (no class) Fabrication Workshop	04 - Physical Model Due	Physical modeling
14.00	Monday Tuesday Wednesday Thursday Friday	Nov 17 Nov 18 Nov 19 Nov 20 Nov 21		Final prep Final prep	Final Project Due	
15.00	Monday Tuesday Wednesday Thursday Friday	Nov 24 Nov 25 Nov 26 Nov 27 Nov 28	Finals	Fall Break Fall Break		
16.00	Monday Tuesday Wednesday Thursday Friday	Dec 1 Dec 2 Dec 3 Dec 4 Dec 5	Finals	Grad Studio Review Week Grad Studio Review Week		
17.00	Tuesday Thursday Friday	Dec 9 Dec 11 Dec 12		Finals Semester Ends Commencement		