



**UNIVERSITY OF  
CALGARY**

**UNIVERSITY OF CALGARY  
FACULTY OF ARTS  
DEPARTMENT OF ART AND ART HISTORY  
ART 323 – Digital Sculpture  
Fall 2021**

Course Delivery Format:	<i>In-person (students may request to participate online synchronous pending they have the right equipment at home)</i>
Instructor: Office: Phone/text (preferred): Email: Office Hours:	<i>Rob Furr AB 661 (403) 629-8837 <a href="mailto:rsfurr@ucalgary.ca">rsfurr@ucalgary.ca</a> TuTh 11:30 – 1:30</i>
Day(s), time(s) and location of class:	<i>TuTh 8:30AM - 9:45AM (lecture) TuTh 9:45AM - 11:00AM (lab) AB 659  Note that there is not a significant distinction between lecture and lab, and students should expect to attend both.</i>
Course description:	<i>Introduces students to 3D modelling by means of digital sculpting techniques, their historical context and terminology. Provides a focus on the fundamentals of working and designing in three-dimensional space.</i>
Prerequisites and/or co-requisites:	<i>3 units in courses labelled Art.</i>
Course Objectives:	<i>By the completion of this course, successful students will be able to: 1. Design and model organic shapes and figures. 2. Design and model basic hard surface objects. 3. Output 3D models via 3D printing. 4. Texture and render models at a basic level.</i>
Required Textbooks of Readings:	<i>N/a</i>
Course Schedule:	<i>Week of Sept 9: Introduction to the Class Week of Sept 14: Orientation to the 3D World, Mesh Density and Remeshing. Week of Sept 21: IMM Brushes and Nanomeshes: Venus of Willendorf assignment due. Week of Sept 27: zSphere Modeling: Hatshepsut assignment due Week of Oct 5: zSphere Modeling continued Week of Oct 12: Layers and Boolean Operations: Laocoön assignment due. Week of Oct 19: Live Boolean Operations and zModeler: Seven Lucky Gods assignment due. Week of Oct 26: zModeler: Sunbeam Motorcycle assignment due. Week of Nov 2: 3D printing and casting, introduction to zSketch Week of Nov 9: Term break Week of Nov 16: Surfacing: The Gates of Hell assignment due. Week of Nov 23: Sculptural Considerations, zSketch. Week of Nov 30: Rendering Concepts, Assembly in Photoshop: Woman from the French Colonies assignment due Week of Dec 7: Studies of Unexplained Death assignment due.</i>

## Assignments & Evaluation

Assignment	Description	Due Date	Worth
<i>Venus of Willendorf</i>	Single mesh sculpting	Sept 20	8%
<i>Hatshepsut</i>	Sculpture using greeblies	Sept 27	8%
<i>Laocoön</i>	Posed figure sculpture	Oct 12	8%
<i>Seven Lucky Gods</i>	Multiple posed figure sculpture	Oct 19	8%
<i>Sunbeam Motorcycle</i>	Hard surface sculpture	Oct 26	8%
<i>The Gates of Hell</i>	3D printed relief sculpture	Nov 16	10%
<i>Woman from the French Colonies</i>	Summative bust for 3D printing	Nov 30	25%
<i>Studies of Unexplained Death</i>	Summative textured render	Dec 7	25%
Assessment expectations:	<p><u>Guidelines for Submitting Assignments:</u> <i>Assignments will be submitted to the class folder on the IAML server. Due to security measures, students will have to be on-campus or use the campus VPN to submit files.</i></p> <p><u>Missed or Late Assignments:</u> <i>Assignments not turned in on time will receive a grade of zero, unless prior arrangements are made, or documentation of medical issues are provided.</i></p> <p><u>Expectations for Writing:</u> Writing skills are important to academic study across all disciplines. Consequently, instructors may use their assessment of writing quality as a factor in the evaluation of student work. Please refer to the Undergraduate Calendar E.2 Writing Across the Curriculum policy for details.</p>		
Additional Costs and Information:	<p><i>Students are required to own a Wacom pressure-sensitive pen tablet. Other brands <b>may</b> be usable, but this is <b>not</b> guaranteed. The criteria for use will be explained in class. Students may be required to spend up to \$20 on material, depending on the scale of their prints.</i></p> <p><i>Students are <b>emphatically</b> urged to have a third-party remote backup solution.</i></p>		
Portfolios and Assignments:	<p>The Dept of Art and Art History will not assume responsibility for lost or stolen portfolios or course work given to instructors for grading.</p>		

## Other Important Dates

Last day to drop course without financial penalty	Thursday, September 16
End of refund period	Thursday, September 16
Last day to add/swap course	Friday, September 17
Tuition and fee payment deadline	Friday, September 24
Last day to withdraw from course	Wednesday, December 8

## Grading Method and Grading Scale

Percentage	Grade	G.P.V.	Grade Definition
96-100	A+	4.0	Outstanding
90-95	A	4.0	Excellent-superior performance, showing comprehensive understanding of subject matter.
85-89	A-	3.7	
80-84	B+	3.3	
75-79	B	3.0	Good – clearly above average performance with knowledge of subject matter generally complete.
70-74	B-	2.7	
65-69	C+	2.3	
60-64	C	2.0	Satisfactory – basic understanding of the subject matter.
55-59	C-	1.7	
53-54	D+	1.3	
50-52	D	1.0	Minimal pass – marginal performance; generally insufficient preparation for subsequent courses in the same subject.
0-49	F	0	Fail – unsatisfactory performance or failure to meet course requirements.

<p>Learning Technologies and Requirements:</p>	<p>There is a D2L site for this course which contains required readings and other relevant class resources and materials (<a href="http://d2L.ucalgary.ca">d2L.ucalgary.ca</a>).</p> <p>To successfully engage in their learning experiences at the University of Calgary, students taking online, remote, and blended courses are required to have reliable access to the following technology:</p> <ul style="list-style-type: none"> <li>• A computer with a supported operating system, as well as the latest security, and malware updates</li> <li>• A current and updated web browser</li> <li>• Webcam (built-in or external)</li> <li>• Microphone and speaker (built-in or external) or headset with microphone</li> <li>• Current antivirus and/or firewall software enabled</li> <li>• Broadband internet connection</li> </ul>
<p>Campus Mental Health Resources:</p>	<p><u><a href="#">SU Wellness Centre</a></u> and the <u><a href="#">Campus Mental Health Strategy</a></u></p> <p>Counselling and mental health support services are offered through Student Wellness Services. During COVID-19, you can access counselling services remotely via Skype for Business, Microsoft Teams and telephone. Single Session Counselling appointments are available on a bookable basis. Book an appointment online or call 403-210-9355. For access to mental health support, email <a href="mailto:sar@ucalgary.ca">sar@ucalgary.ca</a>. If you are a student in immediate distress, please contact the centre’s after-hours partners:</p> <p>The Distress Centre:</p> <ul style="list-style-type: none"> <li>• Call 403-266-4357, available 24/7.</li> <li>• Visit the Distress Centre website to access online chat from 3–10 p.m. on weekdays and 12–10 p.m. on weekends.</li> </ul> <p>For additional crisis support from Wood’s Homes Community Support Team:</p> <ul style="list-style-type: none"> <li>• Call 403-299-9699 or 1-800-563-6106, available 24/7.</li> <li>• Text 587-315-5000 between 9 a.m. and 10 p.m.</li> <li>• Visit Wood’s Homes website for live chat between 9 a.m. - 10 p.m.</li> </ul>

Academic Standing:	For more information go to <a href="http://www.ucalgary.ca/pubs/calendar/current/f.html">http://www.ucalgary.ca/pubs/calendar/current/f.html</a>
Academic Accommodation:	<p>It is the student's responsibility to request academic accommodations according to the University policies and procedures listed below. The Student Accommodations policy is available at <a href="https://ucalgary.ca/student-services/access/prospective-students/academic-accommodations">https://ucalgary.ca/student-services/access/prospective-students/academic-accommodations</a>.</p> <p>Students needing an accommodation based on disability or medical concerns should contact Student Accessibility Services (SAS) in accordance with the Procedure for Accommodations for Students with Disabilities (<a href="https://ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Accommodation-for-Students-with-Disabilities-Procedure.pdf">https://ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Accommodation-for-Students-with-Disabilities-Procedure.pdf</a>). Students who require an accommodation in relation to their coursework based on a protected ground other than Disability should communicate this need in writing to their Instructor.</p> <p>SAS will process the request and issue letters of accommodation to instructors. For additional information on support services and accommodations for students with disabilities, visit <a href="http://www.ucalgary.ca/access/">www.ucalgary.ca/access/</a></p>
Academic integrity, plagiarism:	<p>Academic Misconduct refers to student behavior which compromises proper assessment of a student's academic activities and includes: cheating; fabrication; falsification; plagiarism; unauthorized assistance; failure to comply with an instructor's expectations regarding conduct required of students completing academic assessments in their courses; and failure to comply with exam regulations applied by the Registrar.</p> <p>For more information go to <a href="http://www.ucalgary.ca/pubs/calendar/current/k.html">http://www.ucalgary.ca/pubs/calendar/current/k.html</a> or <a href="http://www.ucalgary.ca/pubs/calendar/current/e-2.html">http://www.ucalgary.ca/pubs/calendar/current/e-2.html</a> Additional information is available on the Academic Integrity Website at <a href="https://ucalgary.ca/student-services/student-success/learning/academic-integrity">https://ucalgary.ca/student-services/student-success/learning/academic-integrity</a></p>
Internet and electronic communication device:	<p>The use of laptop and mobile devices is acceptable when used in a manner appropriate to the course and classroom activities. Please refrain from accessing websites and resources that may be distracting to you or for other learners during class time.</p> <p>Students are responsible for being aware of the University's Internet and email use policy, which can be found at <a href="https://ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Acceptable-Use-of-Electronic-Resources-and-Information-Policy.pdf">https://ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Acceptable-Use-of-Electronic-Resources-and-Information-Policy.pdf</a></p>
Deferral of Term work and exams	<p>For more information about deferring a final exam go to <a href="https://www.ucalgary.ca/registrar/exams/deferred-exams">https://www.ucalgary.ca/registrar/exams/deferred-exams</a></p> <p>For more information about deferral of term work go to <a href="http://www.ucalgary.ca/pubs/calendar/current/g-7.html">http://www.ucalgary.ca/pubs/calendar/current/g-7.html</a> <a href="https://www.ucalgary.ca/live-uc-ucalgary-site/sites/default/files/teams/14/deferred_termwork-feb-2020_revised.pdf">https://www.ucalgary.ca/live-uc-ucalgary-site/sites/default/files/teams/14/deferred_termwork-feb-2020_revised.pdf</a></p>
Intellectual Property & Copyright:	<p>All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (<a href="https://ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Acceptable-Use-of-Material-Protected-by-Copyright-Policy.pdf">https://ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Acceptable-Use-of-Material-Protected-by-Copyright-Policy.pdf</a>) and requirements of the copyright act (<a href="https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html">https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html</a>) to ensure they are aware of the consequences of unauthorized sharing of course materials (including presentations, textbooks, posted notes, labs, case studies, assignments, and exams).</p>

	<p>Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy  <a href="https://www.ucalgary.ca/pubs/calendar/current/k.html">https://www.ucalgary.ca/pubs/calendar/current/k.html</a></p>
Freedom of Information and Protection of Privacy:	<p>Student information will be collected in accordance with typical (or usual) classroom practice. Students' assignments will be accessible only by the authorized course faculty. Private information related to the individual student is treated with the utmost regard by the faculty at the University of Calgary.</p> <p>For more information go to <a href="https://www.ucalgary.ca/registrar/student-centre/privacy-policy">https://www.ucalgary.ca/registrar/student-centre/privacy-policy</a></p>
Ethics	<p>Whenever you perform research with human participants (i.e., surveys, interviews, or observation) as part of your university studies, you are responsible for following university research ethics guidelines. Your instructor must review and approve of your research plans and supervise your research.</p> <p>For more information go to <a href="http://www.ucalgary.ca/pubs/calendar/current/e-5.html">http://www.ucalgary.ca/pubs/calendar/current/e-5.html</a> or <a href="https://www.ucalgary.ca/research/researchers/ethics-compliance/chreb">https://www.ucalgary.ca/research/researchers/ethics-compliance/chreb</a></p>
Additional Student Support:	<p>Please visit this link for important information on UCalgary's student wellness and safety resources: <a href="https://www.ucalgary.ca/registrar/registration/course-outlines">https://www.ucalgary.ca/registrar/registration/course-outlines</a></p>
Studio Procedures:	<p><i>Please <b>remove</b> this section if your course is online. Include the following if it is in person:</i></p> <p>Students will have to respect Covid-19 specific procedures pertaining to the lab location. These include circulation patterns, user policy, distancing and keeping the lab space clean and tidy.</p> <p>In addition, students and instructors are expected to follow physical distancing regulations to comply with the University's Covid-19 Re-Entry Protocols. For more information, please refer to the following website:  <a href="https://ucalgary.ca/risk/sites/default/files/2020-05/UCalgary.COVID19.ReEntryProtocols.pdf">https://ucalgary.ca/risk/sites/default/files/2020-05/UCalgary.COVID19.ReEntryProtocols.pdf</a></p>
Emergency Evacuation:	<p><i>You can also <b>remove</b> this section if your course is online.</i></p> <p>For more information go to <a href="https://www.ucalgary.ca/risk/emergency-management/evac-drills-assembly-points/assembly-points">https://www.ucalgary.ca/risk/emergency-management/evac-drills-assembly-points/assembly-points</a></p>
Arts Students' Centre Program Advising	<p>Have a question but not sure where to start? The Arts Students' Centre is your information resource for everything in the Faculty of Arts. Call us at 403-220-3580 or email us at <a href="mailto:ascarts@ucalgary.ca">ascarts@ucalgary.ca</a>.</p> <p>You can also visit the Faculty of Arts website at <a href="http://arts.ucalgary.ca/undergraduate">http://arts.ucalgary.ca/undergraduate</a> which has detailed information on common academic concerns.</p>