



**UNIVERSITY OF  
CALGARY**

**UNIVERSITY OF CALGARY  
FACULTY OF ARTS  
DEPARTMENT OF ART AND ART HISTORY  
ART 323 – Digital Sculpture  
Fall 2022**

Course Delivery Format:	<i>In person, synchronous</i>
Instructor: Office: Phone/Text (preferred): Email: Office Hours:	<i>Rob Furr AB661 403-629-8837 <a href="mailto:rsfurr@ucalgary.ca">rsfurr@ucalgary.ca</a> 11:15-1:15 MoWe</i>
Day(s), time(s) and location of class:	<i>MoWe 8:30AM-9:45AM/9:45AM-11:00AM AB 659</i>
Course description:	<i>Introduces students to 3D modeling 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>ART 235.</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 6: Introduction to the Class Week of Sept 12: Orientation to the 3D World, Mesh Density and Remeshing. Week of Sept 19: IMM Brushes and Nanomeshes: Venus of Willendorf assignment due. Week of Sept 26: zSphere Modeling: Hatshepsut assignment due Week of Oct 3: zSphere Modeling continued Week of Oct 10: Layers and Boolean Operations: Laocoön assignment due. Week of Oct 17: Live Boolean Operations and zModeler: Seven Lucky Gods assignment due. Week of Oct 24: zModeler: 20<sup>th</sup> Century Limited assignment due. Week of Oct 31: 3D printing and casting, introduction to zSketch Week of Nov 7: Term break Week of Nov 14: Surfacing: Mayan Calendar Wheel assignment due. Week of Nov 21: Sculptural Considerations, zSketch. Week of Nov 28: Rendering Concepts, Assembly in Photoshop: Woman from the French Colonies assignment due Week of Dec 5: Studies of Unexplained Death assignment due.</i>

**Assignments & Evaluation**

<b>Assignment</b>	<b>Description</b>	<b>Due Date</b>	<b>Worth</b>
<i>Venus of Willendorf</i>	Single mesh sculpting	Sept 19	12.5%

<i>Hatshepsut</i>	Sculpture using greeblies	Sept 26	12.5%
<i>Laocoön</i>	Posed figure sculpture	Oct 10	12.5%
<i>Seven Lucky Gods</i>	Multiple posed figure sculpture	Oct 17	12.5%
<i>20<sup>th</sup> Century Limited</i>	Hard surface sculpture	Oct 24	12.5%
<i>Mayan Calendar Wheel</i>	3D printed relief sculpture	Nov 14	12.5%
<i>Woman from the French Colonies</i>	Summative bust for 3D printing	Nov 28	12.5%
<i>Studies of Unexplained Death</i>	Summative textured render	Dec 5	12.5%
Assessment expectations:	<p><u>Guidelines for Submitting Assignments:</u> <i>Assignments will be submitted to class folder on Microsoft OneDrive, or, if that is unavailable, the IAML server: if the latter is necessary, as a result of university 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.</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 <b>required</b> to have a pressure-sensitive drawing tablet (roughly \$100)</i> <i>Students are highly urged to license a student version of ZBrush, at roughly \$12/term.</i> <i>Students are <b>emphatically</b> urges 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

For more information on term dates, add/drop/swap/withdraw dates from course deadlines and refund/payment deadlines, please see: <https://www.ucalgary.ca/pubs/calendar/current/academic-schedule.html>

## Grading Method and Grading Scale

**Undergraduate:** <https://www.ucalgary.ca/pubs/calendar/current/f-1-1.html>

- A grade of "C-" or below may not be sufficient for promotion or graduation, see specific faculty regulations.
- The number of "D" and "D+" grades acceptable for credit is subject to specific undergraduate faculty promotional policy.

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

**Graduate:** <https://www.ucalgary.ca/pubs/calendar/current/f-1-2.html>

- All grades of "C+" or lower are indicative of failure at the graduate level and cannot be counted toward Faculty of Graduate Studies course requirements. Individual programs may require a higher passing grade.

Learning Technologies and Requirements:	<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>
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</p>

	<p>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> 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>
Student Support:	<p>Please visit this link for important information on:</p> <ul style="list-style-type: none"> <li>• Wellness and Mental health resources</li> <li>• Emergency Evacuation/Assembly Points</li> <li>• Student Success and more....</li> </ul> <p><a href="https://www.ucalgary.ca/registrar/registration/course-outlines">https://www.ucalgary.ca/registrar/registration/course-outlines</a></p>
Studio Procedures:	<p>Please view current updates from RISK and the Covidsafe page links to information on rapid testing, masking rules, vaccination regulations and documentation as well as a FAQs page, which must all be followed while in Studios.</p> <p><a href="https://www.ucalgary.ca/risk/emergency-management/covid-19-response">https://www.ucalgary.ca/risk/emergency-management/covid-19-response</a>  <a href="https://www.ucalgary.ca/risk/emergency-management/covid-19-response/covidsafe-campus">https://www.ucalgary.ca/risk/emergency-management/covid-19-response/covidsafe-campus</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>
Faculty of Graduate Studies:	<p>For graduate studies email: <a href="mailto:graduate@ucalgary.ca">graduate@ucalgary.ca</a> or call 403 220 4938.  Visit the Faculty of Graduate Studies for more details: <a href="https://grad.ucalgary.ca/">https://grad.ucalgary.ca/</a></p>