ART 142: NEW MEDIA: 3D COMPUTER MODELING

In Workflow

1. ART Committee Chair (rachel.miller@csus.edu)
2. ART Chair (rclarke@csus.edu)
3. ALS College Committee Chair (irwin@csus.edu; j.gallegos@csus.edu)
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9. Catalog Editor (catalog@csus.edu)
10. Registrar's Office (k.mcfarland@csus.edu)
11. PeopleSoft (PeopleSoft@csus.edu)

Approval Path

1. Mon, 02 Oct 2023 03:52:13 GMT
   Rachel Miller (rachel.miller): Rollback to Initiator
2. Tue, 10 Oct 2023 23:02:29 GMT
   Rachel Miller (rachel.miller): Rollback to Initiator
3. Wed, 11 Oct 2023 22:39:18 GMT
   Rachel Miller (rachel.miller): Approved for ART Committee Chair
4. Wed, 11 Oct 2023 23:36:32 GMT
   Rachel Clarke (rclarke): Approved for ART Chair
5. Wed, 18 Oct 2023 20:21:40 GMT
   Jacqueline Irwin (irwin): Rollback to Initiator
6. Thu, 26 Oct 2023 16:18:31 GMT
   Rachel Miller (rachel.miller): Approved for ART Committee Chair
7. Thu, 26 Oct 2023 16:28:54 GMT
   Rachel Clarke (rclarke): Approved for ART Chair
8. Thu, 26 Oct 2023 16:39:19 GMT
   Jacqueline Irwin (irwin): Approved for ALS College Committee Chair
9. Thu, 26 Oct 2023 22:46:48 GMT
   Melinda Wilson Ramey (mwilson): Approved for ALS Dean
10. Wed, 01 Nov 2023 20:24:24 GMT
    Katie Hawke (katiedickson): Approved for Academic Services

Date Submitted: Thu, 26 Oct 2023 16:12:12 GMT

Viewing: ART 142 : New Media: 3D Computer Modeling
Last edit: Thu, 26 Oct 2023 16:12:11 GMT

Changes proposed by: Rachel Clarke (101018745)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
Peter Williams	peter.williams@csus.edu	278-6166
Rachel Clarke	rclarke@csus.edu	278-6166

Catalog Title:

New Media: 3D Computer Modeling

Class Schedule Title:

NewMedia: 3D Computer Modeling

Academic Group: (College)

ALS - Arts & Letters

Academic Organization: (Department)

Art

Will this course be offered through the College of Continuing Education (CCE)?
No

Catalog Year Effective:
Fall 2024 (2024/2025 Catalog)

Subject Area: (prefix)
ART - Art

Catalog Number: (course number)
142

Course ID: (For administrative use only.)
200965

Units:
3

Is the only purpose of this change to update the term typically offered or the enforcement of existing requisites at registration?
No

In what term(s) will this course typically be offered?
Fall, Spring

Does this course require a room for its final exam?
No, final exam does not require a room (Last Class)

This course complies with the credit hour policy:
Yes

Justification for course proposal:
This course proposal updates 3D Computer Modeling. The course is updated with new content, such as new renderers and rendering engines that were not available when the course was created. The Arnold renderer and PBR (physically based rendering) accurately simulates physical effects of light in the real world, using complex raytrace sampling, and benefits students by allowing them to render higher-quality images. The course name is changed to align it with the new naming conventions for courses in the New Media Art area, so students can better understand how the courses in New Media curriculum relate to one another. The learning objectives are rewritten to reflect new content. The New Media Art and Animation area intends to apply for a fee for this course.

Course Description: (Not to exceed 80 words and language should conform to catalog copy.)
Creative skills and techniques for building 3D computer models and environments. Exercises, assignments, and projects introduce a wide range of 3D computer modeling tools and processes. Topics include polygon and NURBS methods, working with materials and textures, lighting techniques, scene composition, camera and framing, and working with rendering engines.

Are one or more field trips required with this course?
No

Fee Course?
No

Is this course designated as Service Learning?
No

Is this course designated as Curricular Community Engaged Learning?
No

Does this course require safety training?
No

Does this course require personal protective equipment (PPE)?
No

Course Note: (Note must be a single sentence; do not include field trip or fee course notations.)
May be taken twice for credit

Does this course have prerequisites?

Yes

Prerequisite:

CSC 10 or ART 97 or equivalent.

Prerequisites Enforced at Registration?

No

Does this course have corequisites?

No

Graded:

Letter

Approval required for enrollment?

No Approval Required

Course Component(s) and Classification(s):

Activity

Activity Classification

CS#07 - Fine Arts and Science Activity (K-factor=1.3 WTU per unit)

Activity Units

3

Is this a paired course?

No

Is this course crosslisted?

Yes

Do they meet together and fulfill the same requirement?

Yes

Please identify the crosslisted course:

CSc 126

Can this course be repeated for credit?

Yes

How many times can the course be taken (including first time passed)?

2

Total credits allowed (including first time passed)

6

Can the course be taken for credit more than once during the same term?

No

Description of the Expected Learning Outcomes and Assessment Strategies:

List the Expected Learning Outcomes and their accompanying Assessment Strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers). Click the plus sign to add a new row.

	Expected Learning Outcome	Assessment Strategies
1	Explain the 3D modeling workflow from inception to completion	Final project
2	Recognize visual elements/principles relating to computer animated artworks	Creative projects
3	Solve technical problems arising at different stages of the 3D modeling workflow	Projects and exercises
4	Demonstrate intermediate level skills in a range of 3D computer modeling and rendering techniques	Exercises

| 5 | Translate beginning-level understanding of 3D animation | Exercises and projects |
| 6 | Weigh the influence and precedence of contemporary artists, and artists working globally in different genres and historical periods | Peer to peer critiques, group critiques, discussion board posts |

Attach a list of the required/recommended course readings and activities:
Art 142 New Media 3D Computer Modeling Sample Projects.pdf

Is this course required in a degree program (major, minor, graduate degree, certificate?)
Yes

Has a corresponding Program Change been submitted to Workflow?
Yes

Identify the program(s) in which this course is required:

Programs:
BFA in Studio Art
BA in Art
BFA in Photography

Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?
No

Will there be any departments affected by this proposed course?
Yes

Indicate which department(s) will be affected by the proposed course:

Department(s)
Computer Science
Department of Design

I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.
I/we agree

University Learning Goals

Undergraduate Learning Goals:
Competence in the disciplines

Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?
No

GE Course and GE Goal(s)

Is this a General Education (GE) course or is it being considered for GE?
No

Please attach any additional files not requested above:
CSC_Consultation.pdf
Consultation_Design.pdf
Art 142_Syllabus.pdf

Reviewer Comments:

Rachel Miller (rachel.miller) (Mon, 02 Oct 2023 03:52:13 GMT): Rollback: To address Art Dept. curriculum committee feedback

Rachel Miller (rachel.miller) (Tue, 10 Oct 2023 23:02:29 GMT): Rollback: To address concerns about ELOs

Emily Potts (emily.potts) (Wed, 18 Oct 2023 19:35:11 GMT): Dear Professors, The committee recommends the following changes to your proposal to facilitate approval: Please indicate the course delivery type in your syllabus. If it is also missing, please include a section for the instructor's name, office hours, course times/days etc. as noted on our Syllabus template under our A&L Curriculum

Resources page. Please include the Crisis Assistance & Resource Education Support (CARES) and required Title IX language. Please match the assessments listed in the Form A to your Syllabus more clearly. Best, Emily Potts

Jacqueline Irwin (irwin) (Wed, 18 Oct 2023 20:21:40 GMT): Rollback: Dear Rachel, Please see suggestions for revision from Emily. Once your proposal has been revised as per their recommendations, please resubmit and send me an email so I know that your proposal is ready to move forward. Thank you, Jacqueline, ALS Curriculum Chair

Key: 277