COMPUTER ANIMATION AND GAME DEVELOPMENT

Computer Animation and Game Development Program (http://www.csuchico.edu/cagd/)
O'Connell Center 236
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530-898-4070 (fax)
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Program Director: Clarke Steinback

Insight

Do you want to make video games or animations? Do you want to be a digital animator, video game producer, 3-D modeler, texturing specialist, VFX designer, game designer, game programmer, or motion capture expert? Do you want to make the most of your creativity? If so, Computer Animation and Game Development can help you develop the skills in demand in the video game and entertainment industries. Computer Animation and Game Development is the synergy of creativity and technology and affords you an opportunity to put your imagination to work in this realm of collaborative teams creating multimedia experiences.

Founded in 1999, the Computer Animation and Game Development Program sought to teach the skills required for an innovative new industry. For over 20 years, the program has continued to evolve and grow to meet the needs of students seeking a career in a rapidly expanding creative industry. Now, the program is run by a team that works together to combine art and technology as a means of expressing creative minds. With a strong foundation in teaching and industry experience, faculty teach students each day to design rich multimedia experiences that communicate, inform, and entertain.

Experience

The CAGD Program focuses on hands-on collaborative experiences. Courses are designed to provide instruction in industry-standard tools and techniques as well as formal processes and pipelines of 3D animation, computer-generated imagery, and game production. Production studio courses see students work in teams to create animations, video games, and 3D experiences in a real-world studio environment.

The Computer Graphics Club (CGC) is a student-run club that provides a place for aspiring creators to meet fellow creatives, discuss industry trends and ideas, and network with each other and alumni. The club holds regular meetings and social activities as well as hosts special events.

Outlook

With virtually limitless career possibilities, the CAGD Program is proud to provide its students with skills including animation production, CGI, agile development, game scripting, augmented/virtual reality, motion capture, lidar scanning, and photogrammetry. Our diverse student population enters careers in the lucrative fields of video games, film, television, and commercials, as well as scientific research and a host of other enterprises.

Our alumni currently work across a wide variety of industry companies including 2K Games, Epic Games, Weta Digital, Sony Imageworks, Ubisoft, Pixar, Blizzard, and more as part of the rapidly growing $2.2 trillion global game and entertainment industry.

Programs

Undergraduate
Bachelor's


Minors

- Video Game Design Minor (https://catalog.csuchico.edu/colleges-departments/college-engineering-computer-science-construction-management/computer-animation-game-development/video-game-design-minor/)

See Course Description Symbols and Terms (https://catalog.csuchico.edu/academic-standards-policies/course-description-symbols-terms/) for an explanation of course description terminology and symbols, the course numbering system, and course credit units.

CAGD 110 Computer-Assisted Art I
Typically Offered: Fall and spring
This course provides an introduction to computer graphics and art. Students use the computer as a tool for creating static and animated images. Basic instruction in design and color relationships is provided. The writing component may include research reports from current graphics publications and/or attendance and discussion of art exhibitions. 4 hours activity, 1 hour discussion. (002287)

General Education: Arts (C1)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Lower Division

CAGD 112 Digital Photography
Typically Offered: Fall and spring
An introduction to digital photography that explores the composition and aesthetics of photography. Emphasis is on concepts and techniques of image manipulation software. The course addresses printing and displaying photographic portfolios. 2 hours activity, 2 hours lecture. (015869)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Lower Division

CAGD 117 Concept Design and Storyboarding
Typically Offered: Fall and spring
An in-depth look into the pre-production process as it directly pertains to storyboard creation, character development and design, pre-visualization techniques, and principles of concept design. 2 hours activity, 2 hours lecture. (015870)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Lower Division
CAGD 170  Video Game Design 3 Units
Typically Offered: Fall and spring
An introduction course to video game design, studying the art, technology, and science involved in the creation and development of video games. The course covers video game history, game theory, design of computer-based games, delivery systems, development cycle, case studies, ethical and social issues, and emerging technologies and trends. This course emphasizes the understanding and the interdisciplinary nature of video game design. This is not a computer programming course. 2 hours activity, 2 hours lecture. (020239)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Lower Division; Laptop required

CAGD 180  Scripting and Programming for Computer Graphics 3 Units
Prerequisite: GE Critical Thinking (A3), GE Mathematics/Quantitative Reasoning (A4).
Typically Offered: Fall and spring
This course introduces application scripting and programming to visual artists using scripting and programming environments embedded in applications and integrated graphical development environments. Fundamental scripting techniques for computer modeling, animation, video game and other visual media will be explored. Elementary application programs will be designed, implemented and tested. 2 hours activity, 2 hours lecture. (020648)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Lower Division

CAGD 189  Industry Internship 1-3 Units
Typically Offered: Fall and spring
0 hours supervision. (020125)
Grade Basis: Credit/No Credit
Repeatability: You may take this course for a maximum of 15 units
Course Attributes: Lower Division

CAGD 198  Special Topics 1-3 Units
Prerequisite: Department permission.
Typically Offered: Fall and spring
This course is for special topics offered for 1.0-3.0 units. Typically the topic is offered on a one-time-only basis and may vary from term to term and be different for different sections. See the Class Schedule for the specific topic being offered. 0 hours lecture. (020130)
Grade Basis: Graded
Repeatability: You may take this course more than once
Course Attributes: Lower Division

CAGD 199  Special Problems 1-3 Units
Prerequisite: Faculty permission.
Typically Offered: Fall and spring
This course is an independent study of special problems offered for 1.0-3.0 units. You must register directly with a supervising faculty member. 0 hours supervision. (020133)
Grade Basis: Credit/No Credit
Repeatability: You may take this course for a maximum of 6 units
Course Attributes: Lower Division

CAGD 230  Digital Modeling 3 Units
Prerequisite: CAGD 112 with a grade of C- or higher.
Typically Offered: Fall and spring
This course explores the basic concepts, principles, practices, tools and techniques of digital modeling, and production pipeline used primarily in CGI, games, and simulations. Topics include creating modifying, texturing, lighting, and rendering basic architectural and prop objects. Projects are designed to guide students through the process of designing digital objects and understanding how objects are imported and used in CGI, games, and simulations. Students produce digital models that demonstrate these concepts, principles, workflow, and technique. 2 hours activity, 2 hours discussion. (021443)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Lower Division; Laptop required

CAGD 240  Digital Animation 3 Units
Prerequisite: CAGD 110 with a grade of C- or higher.
Typically Offered: Fall and spring
This course explores the basic principles and techniques of motion such as in-betweening, timing, squash and stretch, and more. Students produce animated works that demonstrate these principles and techniques and that effectively communicate with the audience. 2 hours activity, 2 hours lecture. (020240)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Lower Division; Laptop required

CAGD 250  Introduction to Technical CGI 3 Units
Prerequisite: CAGD 112 and CAGD 230 all with a grade of C- or higher.
Typically Offered: Fall and spring
This course provides an introduction and technical foundation to tools and strategies used to develop both pre-visualized and final deliverables leading to effective visual communication as it relates to digital production in the game and animation industries. Emphasis is placed on the basics of compositing techniques and components of 3D pre-visualization. 2 hours activity, 2 hours lecture. (022151)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Lower Division; Laptop required

CAGD 270  Level Design 3 Units
Prerequisite: CAGD 170 with a grade of C- or higher.
Typically Offered: Fall and spring
This project-oriented course introduces the concepts and tools used in creating levels for games. Fundamental architectural theory, critical path, flow, pacing, dilemmas, balancing, difficulty level, playtesting, and storytelling relating to level design are studied. Existing game levels are studied and analyzed; original game levels are created using industry toolsets to meet game design objectives. Understanding how level design fits into the production pipeline and how to work in collaborative environments. 2 hours activity, 2 hours discussion. (021350)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Lower Division; Laptop required
CAGD 280  Introduction to Game Scripting  3 Units
Prerequisite: CAGD 180 or CSCI 111 all with a grade of C- or higher.
Typically Offered: Fall and spring
The course covers an introduction to game scripting concepts and will take the student through the process of creating prototypes and games using an industry-standard game engine. The course will explore using a game engine and associated scripting to maneuver characters around in 2D/3D space, develop interactive game environments, implement special effects, manipulate objects, script menus and graphical user interfaces, create non-player character behaviors, and much more. The student is required to have basic programming skills and game design experience from which the course will expand in using scripting and a game engine to create effective games. 2 hours activity, 2 hours lecture. (022150)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Lower Division; Laptop required

CAGD 289  Industry Internship  1-3 Units
Typically Offered: Fall and spring
0 hours supervision. (020126)
Grade Basis: Credit/No Credit
Repeatability: You may take this course for a maximum of 15 units
Course Attributes: Lower Division

CAGD 298  Special Topics  1-3 Units
Typically Offered: Fall and spring
0 hours lecture. (020131)
Grade Basis: Graded
Repeatability: You may take this course more than once
Course Attributes: Lower Division

CAGD 299  Special Problems  1-3 Units
Prerequisite: Faculty permission.
Typically Offered: Fall and spring
This course is an independent study of special problems offered for 1.0-3.0 units. You must register directly with a supervising faculty member. 0 hours supervision. (020134)
Grade Basis: Credit/No Credit
Repeatability: You may take this course for a maximum of 6 units
Course Attributes: Lower Division

CAGD 320  Digital Texturing  3 Units
Prerequisite: CAGD 230 with a grade of C- or higher.
Typically Offered: Fall and spring
This course explores the concepts, principles, practices, tools, and techniques of UV layout for 3D models and the digital texturing process. Topics include UV layout, material creation, texture painting and baking, level of detail, and import/export of final content into various media formats. Students demonstrate the concepts, principles, workflow and techniques as part of the texturing pipeline associated with industry standard practices. 2 hours activity, 2 hours discussion. (021903)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Laptop required

CAGD 325  Motion Capture  3 Units
Prerequisite: CAGD 230 with a grade of C- or higher.
Typically Offered: Fall and spring
This course provides students an understanding and a practical application of motion capture technology used for game, virtual reality (VR), film and simulations. It provides students with fundamental skills in the use and aesthetics of motion capture. Students gain practical experience in calibrating and operating a motion capture system, and in planning and implementing a motion capture shoot. Students also gain an overview of the broader context of motion capture such as its use in computer generated imagery (CGI), animation, game development, and interactive performance. 2 hours activity, 2 hours lecture. (021778)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Laptop required

CAGD 330  3-D Computer Modeling  3 Units
Prerequisite: CAGD 320 with a grade of C- or higher.
Typically Offered: Fall only
This course uses 3-D modeling and animation software in developing 3-D computer models and creating presentations of those models in storytelling still scenes. The tools, techniques, and topics studied include basic and advanced 3-D modeling tools, 3-D scene layout, lighting, texturing, and rendering. 4 hours activity, 1 hour discussion. (002317)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Laptop required

CAGD 331  3-D Character Modeling  3 Units
Prerequisite: CAGD 330 with a grade of C- or higher.
Typically Offered: Spring only
A study of the necessary principles and techniques of creating digital 3-D characters. Students learn the necessary skills for modeling characters, creating effective anatomy, and rigging characters for animation purposes. 4 hours activity, 1 hour lecture. (020241)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Laptop required

CAGD 340  Computer Animation  3 Units
Prerequisite: CAGD 240 with a grade of C- or higher.
Typically Offered: Fall and spring
The concepts of computer imaging and animation are taught in this project-based course. Focus is on the principles of animation and how they apply to current computer animation techniques. This course emphasizes both creative and technical skills. 2 hours activity, 2 hours lecture. (002366)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite(s)</th>
<th>Typically Offered</th>
<th>Grade Basis</th>
<th>Repeatability</th>
<th>Course Attributes</th>
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<tr>
<td>CAGD 345W</td>
<td>Advanced Animation Pre-Production and Story Development (W)</td>
<td>3</td>
<td>GE Written Communication (A2) requirement, CAGD 117 with a grade of C- or higher.</td>
<td>Fall and spring</td>
<td>Graded</td>
<td>Yes</td>
<td>Upper Division; Writing Course; Graduation Writing Assessment</td>
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<tr>
<td>CAGD 350</td>
<td>3D Scanning</td>
<td>3</td>
<td>CAGD 320 with a grade of C- or higher.</td>
<td>Fall and spring</td>
<td>Graded</td>
<td>Yes</td>
<td>Upper Division; Laptop required</td>
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<tr>
<td>CAGD 358</td>
<td>Emerging Technologies in Media and Entertainment</td>
<td>3</td>
<td>CAGD 112, CAGD 180 for CAGD majors; JOUR 255 or 255W, JOUR 260W for JOUR majors; MADT 206 for MADT majors.</td>
<td>Fall only</td>
<td>Graded</td>
<td>Yes</td>
<td>Upper Division; Laptop required</td>
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<tr>
<td>CAGD 370</td>
<td>Video Game Development</td>
<td>3</td>
<td>CAGD 180, CAGD 270 both with a grade of C- or higher.</td>
<td>Fall and spring</td>
<td>Graded</td>
<td>Yes</td>
<td>Upper Division; Laptop required</td>
</tr>
<tr>
<td>CAGD 373</td>
<td>Game Asset Production</td>
<td>3</td>
<td>CAGD 320 with a grade of C- or higher.</td>
<td>Fall and spring</td>
<td>Graded</td>
<td>Yes</td>
<td>Upper Division; Laptop required</td>
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<tr>
<td>CAGD 374W</td>
<td>Interactive Storytelling in Video Games</td>
<td>3</td>
<td>CAGD 345W or CAGD 370 (with a grade C- or higher).</td>
<td>Fall and spring</td>
<td>Graded</td>
<td>Yes</td>
<td>Upper Division; Laptop required</td>
</tr>
<tr>
<td>CAGD 375W</td>
<td>Video Game Pre-Production</td>
<td>3</td>
<td>GE Written Communication (A2) requirement, CAGD 370 (with a grade C- or higher).</td>
<td>Fall and spring</td>
<td>Graded</td>
<td>Yes</td>
<td>Upper Division; Laptop required; Writing Course</td>
</tr>
</tbody>
</table>

You may take this course for a maximum of 3 units.
CAGD 377  Mobile Game Development  3 Units
Prerequisite: CAGD 370 with a grade of C- or higher.
Typically Offered: Fall and spring
This course investigates the evolution of mobile gaming and the challenges for developing mobile games such as game design, art, programming, distribution, marketing, and monetization are examined. The phases in mobile game development and various roles in a development project are explored. Existing and planned mobile games are analyzed. The process of planning, designing, implementing, and producing mobile games on various architectures are also investigated. Throughout the course, game concepts and proposals are created for analysis with promising proposals moving on to planning, design, implementation, and development. 2 hours activity, 2 hours discussion. (021444)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Laptop required

CAGD 380  Game Scripting  3 Units
Prerequisite: CAGD 280 (with a grade of C- or higher) or CSCI 211 (with a grade of C- or higher).
Typically Offered: Spring only
This course covers an introduction to game scripting and takes the student through the process of creating games using an industry-standard game engine. The course explores using a game engine and associated scripting to maneuver characters around in 3D space, develop game environments, implement special effects, manipulate objects, script menus and graphical user interfaces, create non-player character behaviors, and much more. The student is required to have basic programming skills and game design experience from which this course expands in using scripting and game engine to create effective games. 2 hours activity, 2 hours lecture. (021604)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Laptop required

CAGD 389  Industry Internship  1-3 Units
Prerequisite: Faculty permission.
Typically Offered: Fall and spring
This internship is offered for 1.0-3.0 units. Students must register directly with a supervising faculty member. 0 hours supervision. (020127)
Grade Basis: Credit/No Credit
Repeatability: You may take this course for a maximum of 15 units
Course Attributes: Upper Division

CAGD 398  Special Topics  1-3 Units
Typically Offered: Fall and spring
This course is for special topics offered for 1.0-3.0 units. Typically the topic is offered on a one-time-only basis and may vary from term to term and be different for different sections. See the Class Schedule for the specific topic being offered. 3 hours lecture. (015892)
Grade Basis: Graded
Repeatability: You may take this course more than once
Course Attributes: Upper Division

CAGD 399  Special Problems  1-3 Units
Prerequisite: Faculty permission.
Typically Offered: Fall and spring
This course is an independent study offered for 1.0-3.0 units. You must register directly with a supervising faculty member. 0 hours supervision. (020135)
Grade Basis: Credit/No Credit
Repeatability: You may take this course for a maximum of 6 units
Course Attributes: Upper Division

CAGD 420  Digital Lighting and Texturing  3 Units
Prerequisite: CAGD 330 with a grade of C- or higher.
Typically Offered: Fall only
This course explores the techniques used for simulating realistic lighting and texturing in 2D and 3D environments and develops student skills in accurate image creation. 2 hours activity, 2 hours lecture. (020243)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Laptop required

CAGD 432  3-D Character Rigging  3 Units
Prerequisite: CAGD 330 (with a grade of C- or higher) or CAGD 340 (with a grade of C- or higher).
Typically Offered: Spring only
This course explains the technical skills and challenges of rigging for 3-D animation. Students develop key technical skills for 3-D character setup including how to build, rig, skin, pose, and test 3-D models for animation. Students explore the process of creating joints, assembling skeletons, fine-tuning rigs for realistic motion, rigging bodies and faces, and techniques for binding surfaces to skeletal rigs for animation. 2 hours activity, 2 hours lecture. (021225)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Laptop required

CAGD 441  3-D Character Animation  3 Units
Prerequisite: CAGD 340 with a grade of C- or higher.
Typically Offered: Fall and spring
This course covers the study of motion, timing and acting as they apply to animated characters. Emphasis is on the performance of the character and how it reads to the audience. Techniques and methods for facial expressing, lip-synching, and staging are explored. 2 hours activity, 2 hours lecture. (020245)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Laptop required

CAGD 445  Advanced Animation Production  3 Units
Prerequisite: CAGD 330 or CAGD 340, CAGD 345W.
Typically Offered: Fall only
The computer animation production process is taught in this class. Working from a script, storyboard, and/or animatic, students complete an "animated short" with accompanying sound, music, and visual effects. Emphasis is on working as a member of a computer animation team, similar to a real-world production facility. 3 hours discussion. (002367)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division
CAGD 458 Applied Emerging Technologies in Media and Entertainment 3 Units
Prerequisite: CAGD 112, CAGD 180 for CAGD majors; JOUR 255 or JOUR 255W, JOUR 260W for JOUR majors; MADT 206 for MADT majors.
Typically Offered: Spring only
This professional skills and technology project-based course engages students in new and emerging technologies in media and entertainment through applied projects requiring students to work in multidisciplinary teams to create completed visual content projects. The course is focused on the application of new and emerging technologies with relevance in various media and entertainment industries, including, but not limited to, journalism, storytelling, and game development. 3 hours discussion. (021969)
Cross listing(s): JOUR 458, MADT 458
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division

CAGD 470 Video Game Production 3 Units
Prerequisite: CAGD 370 (with a grade of C- or higher); CAGD 373 (with a grade of C- or higher) for CAGD majors only.
Typically Offered: Fall and spring
Using the principles of game design, students work in collaborative teams to design, implement, test, and produce a computer game. Marketing strategies are also explored. 4 hours activity, 1 hour lecture. (020246)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division; Laptop required

CAGD 489 Industry Internship 1-3 Units
Typically Offered: Fall and spring
0 hours supervision. (020128)
Grade Basis: Credit/No Credit
Repeatability: You may take this course for a maximum of 15 units
Course Attributes: Upper Division

CAGD 493 Senior Portfolio 3 Units
Prerequisite: Senior standing in CAGD.
Typically Offered: Fall and spring
This course affords senior level students the opportunity to develop work for a professional-quality portfolio through directed senior-level projects demonstrating their creativity, and acquired aesthetic and technical skills in their area of study. Projects are selected by negotiation starting with a specific written proposal and plan. The course utilizes the process of preparing and deploying a professional portfolio to incorporate these new works and refined selections of prior works. The course also addresses self-promotional strategies and successful work practices of industry professionals. Students are required to formally present the portfolio. Class time will be a mix of lecture, discussion, presentation, critique, meetings, and activities. 3 hours discussion. (021424)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 6 units
Course Attributes: Upper Division

CAGD 495 Advanced Production 3 Units
Prerequisite: Faculty permission.
Typically Offered: Fall and spring
This course is designed to give hands-on experience to students in Computer Animation and Game Development or related majors. Students work as collaborators on large-scale, professional productions relevant to their field of study. Content of this course is subject to change each semester. 4 hours activity, 1 hour discussion. (020563)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 12 units
Course Attributes: Upper Division

CAGD 498 Special Topics 1-3 Units
Typically Offered: Fall and spring
This course is for special topics offered for 1.0-3.0 units. Typically the topic is offered on a one-time-only basis and may vary from term to term and be different for different sections. See the Class Schedule for the specific topic being offered. 3 hours lecture. (015891)
Grade Basis: Graded
Repeatability: You may take this course more than once
Course Attributes: Upper Division

CAGD 499 Special Problems 1-3 Units
Prerequisite: Faculty permission.
Typically Offered: Fall and spring
This course is an independent study offered for 1.0-3.0 units. You must register directly with a supervising faculty member. 0 hours supervision. (020136)
Grade Basis: Credit/No Credit
Repeatability: You may take this course for a maximum of 6 units
Course Attributes: Upper Division

CAGD 499H Honors Project 3 Units
Prerequisite: Junior standing, top 5% of major.
Typically Offered: Fall and spring
An enrolled student must be sponsored by a full-time faculty member in Computer Animation and Game Development. Independent study resulting in a piece of scholarly or creative work involving substantial research to be completed and publicly presented. Must receive a grade of B or higher. This course must be taken during two consecutvie semesters in order to complete the 6-unit Honors project. This course is not available to graduate students. 9 hours supervision. (020643)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 6 units
Course Attributes: Upper Division

CAGD 545 Advanced Animation Post-Production 3 Units
Prerequisite: CAGD 330 or CAGD 340, CAGD 345W
Typically Offered: Spring only
This course focuses on the completion of animation projects in the post-production environment, including editing, music, sound effects, and other post-production elements to successfully complete professional-level short animations. Emphasis is on working as a member of a computer animation team, similar to a real-world production facility. 3 hours discussion. (020248)
Grade Basis: Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Upper Division

CAGD 589 Industry Internship 1-3 Units
Typically Offered: Fall and spring
0 hours supervision. (020129)
Grade Basis: Credit/No Credit
Repeatability: You may take this course for a maximum of 15 units
Course Attributes: Upper Division
CAGD 598  Special Topics  1-3 Units
Prerequisite: Department permission.
Typically Offered: Fall and spring
This course is for special topics offered for 1.0-3.0 units. Typically the topic is offered on a one-time-only basis and may vary from term to term and be different for different sections. See the Class Schedule for the specific topic being offered. 0 hours lecture. (020132)
Grade Basis: Graded
Repeatability: You may take this course more than once
Course Attributes: Upper Division

CAGD 599  Special Problems  1-3 Units
Prerequisite: Faculty permission.
Typically Offered: Fall and spring
This course is an independent study of special problems offered for 1.0-3.0 units. You must register directly with a supervising faculty member. 0 hours supervision. (020137)
Grade Basis: Credit/No Credit
Repeatability: You may take this course for a maximum of 6 units
Course Attributes: Upper Division

CAGD 697  Independent Study  1-6 Units
Typically Offered: Fall and spring
0 hours supervision. (020138)
Grade Basis: Credit/No Credit
Repeatability: You may take this course for a maximum of 10 units
Course Attributes: Graduate Division

CAGD 698  Graduate Seminar in Computer Graphics  3 Units
Typically Offered: Inquire at department
3 hours seminar. (020402)
Grade Basis: Graduate Graded
Repeatability: You may take this course for a maximum of 3 units
Course Attributes: Graduate Division

Computer Animation and Game Development Program

The Faculty

Daniel G Alioto  2018
Lecturer
Associate of Arts Orlando College

Christina G Backlund  2015
Lecturer
Bachelor of Science CSU-Chico

Daniel W Cahill  2018
Lecturer
Bachelor of Science CSU-Chico

Frank L Pereira  2003
Lecturer
Master of Arts CSU-Chico

John P Pozzi  2001
Lecturer
Master of Arts CSU-Chico

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Martin A Salcedo  2019
Lecturer

Bachelor of Science CSU-Chico

Clarke H Steinback  1993
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Doctor of Philosophy Univ Of Cal-Santa Cruz

Jeff M Underwood  2012
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Bachelor of Science CSU-Chico

Jennifer K Underwood  2015
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Master of Arts CSU-Chico

Connor W Zelinsky  2019
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Master of Science Glasgow School of Art/Glasgow University

Kevin W Taylor  2018
Assistant Professor
Master of Arts University of Huddersfield

Clarke H Steinback  1993
Professor
Doctor of Philosophy Univ Of Cal-Santa Cruz