

COURSE OUTLINE		
TERM: Fall 2026	COURSE NO: DIGI 101	
INSTRUCTOR:	COURSE TITLE: Digital Compositing I	
OFFICE: LOCAL: E-MAIL: @capilanou.ca	SECTION NO(S):	CREDITS: 3.0
OFFICE HOURS:		
COURSE WEBSITE:		

Capilano University is named after Chief Joe Capilano (1854–1910), an important leader of the Sk̓wx̓wú7mesh (Squamish) Nation of the Coast Salish Peoples. We respectfully acknowledge that our campuses are located on the unceded territories of the səliłwətał (Tseil-Waututh), shíshálh (Sechelt), Sk̓wx̓wú7mesh (Squamish), and xʷməθkʷəy̓əm (Musqueam) Nations.

COURSE FORMAT

This class is an in-person class. Classes are four hours per week for a 15-week semester, which includes an end of term project. There are no exams scheduled for this course.

COURSE PREREQUISITES/CO-REQUISITES

None

CALENDAR DESCRIPTION

In this course, students will focus on professional production procedures used in the visual effects industry. Students will continue to develop the technical understanding of motion picture production methods and techniques and their relationship to visual effects. Students will learn about working on a film set, the roles of various crew members on set, work flow on set, and appropriate professional etiquette and behaviour. Motion picture language and vocabulary will be introduced. Students will learn about the use of technical equipment on set related to visual effects, including cameras, lenses and lighting.

COURSE NOTE

DIGI 101 is equivalent to VFX 101. Duplicate credit will not be granted for this course and VFX 101.

REQUIRED TEXTS AND/OR RESOURCES

All class content will be available through the course on <https://elearn.capu.ca/>.

COURSE STUDENT LEARNING OUTCOMES

On successful completion of this course, students will be able to do the following:

- Identify and describe the key roles and responsibilities involved in film production;
- Analyze and determine where practical visual effects are a better choice than digital effects

- Plan, organize and create short film projects in conjunction with external film partners utilizing visual effects shots
- Identify and analyze common visual effects themes and techniques used in film production

COURSE CONTENT

This content will be delivered in the form of lectures, screenings and in class exercises as well as assignments. All course materials will be on elearn and the content will be delivered in-person.

WEEK	TOPICS	READINGS and ACTIVITIES
Week 1	<ul style="list-style-type: none"> • Film production overview from storyboards to filming to post-production • Introduction to term group project (studio based film shoot) • Assessing reasons for including visual effects in film projects • Organizing and budgeting for visual effects projects • Planning a successful collaboration between film and visual effects production teams • 3D scanning introduction 	
Week 2	<ul style="list-style-type: none"> • Discussion and analysis of physical effects techniques used in film production • Identifying the differences between physical and digital effects techniques • Cost analysis between practical, physical and digital effects • Defining the key roles and responsibilities in a studio effects shoot and in post. • Meetings with film crew keys – director, production designer, director of photography, editor • Studio scout 	<ul style="list-style-type: none"> • Assignment 1: Visual effects production – planning and organizing a studio based film shoot/location build-out and scan, animatic and pre-vis.
Week 3	<ul style="list-style-type: none"> • On-location film production - collaborating with a film crew • Executing and trouble-shooting an effective production plan for a live action visual effects shoot 	<ul style="list-style-type: none"> • Assignment 2: planning and organizing a studio based film shoot /pre-production phase/asset build
Week 4	<ul style="list-style-type: none"> • Challenges of studio work flow for the visual effects team • Executing and trouble-shooting an effective production plan for a live action visual effects shoot • studio rehearsal\mo-cap shoot 	<ul style="list-style-type: none"> • Assignment 2: Visual effects production – studio shoot/ pre-production phase/asset build
Week 5	<ul style="list-style-type: none"> • Overview of post-production responsibilities • Planning and executing a successful collaboration between film and visual effects post-production teams for multiple effects shots on a live action shoot. 	<ul style="list-style-type: none"> • Assignment 2: Visual effects production – studio shoot/ pre-production phase/asset build and mo-cap workflow
Week 6	<ul style="list-style-type: none"> • On set production shoot - producing a visual effects shot from pre-production to post 	<ul style="list-style-type: none"> • Assignment 3: On set contribution

	<ul style="list-style-type: none"> Challenges of on-set work flow for the visual effects team. On set data wrangling. 	
Week 7	<ul style="list-style-type: none"> Review of previous week's production shoot Working effectively with the film post team to complete, edit and incorporate the completed pre-viz effects shot into the final edit 	<ul style="list-style-type: none"> Term Group Project: Creating a complete visual effects shot sequence in collaboration with an external film crew – plate prep and tracking, mo-cap cleanup
Week 8	<ul style="list-style-type: none"> Producing a successful collaboration between film and visual effects production teams for multiple effects shots on a live action shoot. Tracking and layout. 	<ul style="list-style-type: none"> Term Group Project: Creating a complete visual effects shot sequence in collaboration with an external film crew – tracking and layout
Week 9	<ul style="list-style-type: none"> Producing a successful collaboration between film and visual effects production teams for multiple effects shots on a live action shoot. Animation and FX. Weeklies. 	<ul style="list-style-type: none"> Term Group Project: Creating a complete visual effects shot sequence in collaboration with an external film crew – animation and FX
Week 10	<ul style="list-style-type: none"> Producing a successful collaboration between film and visual effects production teams for multiple effects shots on a live action shoot. CG lighting. Weeklies. 	<ul style="list-style-type: none"> Term Group Project: Creating a complete visual effects shot sequence in collaboration with an external film crew – CG lighting
Week 11	<ul style="list-style-type: none"> Producing a successful collaboration between film and visual effects production teams for multiple effects shots on a live action shoot. Rendering. Weeklies. 	<ul style="list-style-type: none"> Term Group Project: Creating a complete visual effects shot sequence in collaboration with an external film crew – CG lighting
Week 12	<ul style="list-style-type: none"> Planning a successful collaboration between film and visual effects production teams for multiple effects shots on a live action shoot. Rendering. Weeklies. 	<ul style="list-style-type: none"> Term Group Project: Creating a complete visual effects shot sequence in collaboration with an external film crew – Rendering
Week 13	<ul style="list-style-type: none"> Producing a successful collaboration between film and visual effects production teams for multiple effects shots on a live action shoot. Compositing. Weeklies. 	<ul style="list-style-type: none"> Term Group Project: Creating a complete visual effects shot sequence in collaboration with an external film crew – Compositing
Week 14	<ul style="list-style-type: none"> Working with the film post team to complete the edit, and incorporate the sequence of completed effects shots into the final edit. Compositing. 	<ul style="list-style-type: none"> Term Group Project: Creating a complete visual effects shot sequence in collaboration with an external film crew – Final output. Assignment 4: Video compilation of creative involvement in project.
Week 15		<ul style="list-style-type: none"> Term Group Project: Project presentation and review

EVALUATION PROFILE

Participation/Attendance	10%
Assignment 1	20%
Assignment 2	20%
Assignment 3	10%
Assignment 4	10%
<u>Term Project</u>	<u>30%</u>
Total:	100%

Assignment Descriptions

All assessments will be completed and/or submitted online.

- Assignments – MS Teams
- Final Assignments – copy to class folder on the Bosanas
- Work in progress – upload your video files to SyncSketch for weekly feedback and/or drawovers

All assignments will be included in the calculation of your final grade. Failure to submit assignments may result in failing the course.

Participation

Participation is evaluated based on regular attendance in classes and labs, active engagement in discussions and projects, demonstrated understanding of assigned readings and coursework, and the frequency and quality of relevant comments, questions, and observations.

GRADING PROFILE

A+ = 90-100	B+ = 77-79	C+ = 67-69	D = 50-59
A = 85-89	B = 73-76	C = 63-66	F = 0-49
A- = 80-84	B- = 70-72	C- = 60-62	

Incomplete Grades

Grades of Incomplete “I” are assigned only in exceptional circumstances when a student requests extra time to complete their coursework. Such agreements are made only at the request of the student, who is responsible to determine from the instructor the outstanding requirements of the course.

Late Assignments

All assignments must be delivered at the place and time specified by the instructor. Late assignments will only be accepted if prior approval for a late submission date has been given by the instructor.

Missed Exams/Quizzes/Labs etc.

If you anticipate missing an exam/quiz/or lab, please consult with your instructor prior to the scheduled date, so that alternate arrangements can be considered. Accommodation can be made to honour community needs and traditional practices.

Attendance

Students are expected to attend all classes and associated activities. Attendance is taken at the start of each class. Students who miss more than 20% of the course will not receive credit. Students are responsible for all material and assignments, even if absent. If circumstances affect attendance or coursework, email the instructor in advance to discuss possible adjustments. Instructors are not required to repeat missed material.

English Usage

Students are expected to proofread all written work for any grammatical, spelling and stylistic errors. Instructors may deduct marks for incorrect grammar and spelling in written assignments.

Electronic Devices

Students may use personal electronic devices during class for note taking only.

On-line Communication

Please be sure to check your official Capilano University email regularly as all official communication will be sent via this email address only. Additionally, you should be logging on to eLearn/teams 3 to 4 times per week for class updates and/or to engage in learning activities.

UNIVERSITY OPERATIONAL DETAILS**Tools for Success**

Many services are available to support student success for Capilano University students. A central navigation point for all services can be found at: <https://www.capilanou.ca/student-services/>

Capilano University Security: download the [CapU Safe Alert App](#)

Policy Statement (S2009-06)

Capilano University has policies on Academic Appeals (including appeal of final grade), Student Conduct, Academic Integrity, Academic Probation and other educational issues. These and other policies are available on the University website.

Academic Integrity (S2017-05)

Any instance of academic dishonesty or breach of the standards of academic integrity is serious and students will be held accountable for their actions, whether acting alone or in a group. See policy and procedures S2017-05 Academic Integrity for more information:

<https://www.capilanou.ca/about-capu/governance/policies/>

Violations of academic integrity, including dishonesty in assignments, examinations, or other academic performances, are prohibited and will be handled in accordance with the Student Academic Integrity Procedures.

Academic dishonesty is any act that breaches one or more of the principles of academic integrity. Acts of academic dishonesty may include but are not limited to the following types:

Cheating: Using or providing unauthorized aids, assistance or materials while preparing or completing assessments, or when completing practical work (in clinical, practicum, or lab settings), including but not limited to the following:

- Copying or attempting to copy the work of another during an assessment;
- Communicating work to another student during an examination;
- Using unauthorized aids, notes, or electronic devices or means during an examination;

- Unauthorized possession of an assessment or answer key; and/or,
- Submitting of a substantially similar assessment by two or more students, except in the case where such submission is specifically authorized by the instructor.

Fraud: Creation or use of falsified documents.

Misuse or misrepresentation of sources: Presenting source material in such a way as to distort its original purpose or implication(s); misattributing words, ideas, etc. to someone other than the original source; misrepresenting or manipulating research findings or data; and/or suppressing aspects of findings or data in order to present conclusions in a light other than the research, taken as a whole, would support.

Plagiarism: Presenting or submitting, as one's own work, the research, words, ideas, artistic imagery, arguments, calculations, illustrations, or diagrams of another person or persons without explicit or accurate citation or credit.

Self-Plagiarism: Submitting one's own work for credit in more than one course without the permission of the instructors, or re-submitting work, in whole or in part, for which credit has already been granted without permission of the instructors.

Prohibited Conduct: The following are examples of other conduct specifically prohibited:

- Taking unauthorized possession of the work of another student (for example, intercepting and removing such work from a photocopier or printer, or collecting the graded work of another student from a stack of papers);
- Falsifying one's own and/or other students' attendance in a course;
- Impersonating or allowing the impersonation of an individual;
- Modifying a graded assessment then submitting it for re-grading; or,
- Assisting or attempting to assist another person to commit any breach of academic integrity.

Sexual Violence and Misconduct

All Members of the University Community have the right to work, teach and study in an environment that is free from all forms of sexual violence and misconduct. Policy B401 defines sexual assault as follows:

Sexual assault is any form of sexual contact that occurs without ongoing and freely given consent, including the threat of sexual contact without consent. Sexual assault can be committed by a stranger, someone known to the survivor or an intimate partner.

Safety and security at the University are a priority and any form of sexual violence and misconduct will not be tolerated or condoned. The University expects all Students and Members of the University Community to abide by all laws and University policies, including B.401 Sexual Violence Policy and B.401.1 Sexual Violence Procedure (found on Policy page <https://www.capilanou.ca/about-capu/governance/policies/>)

Emergencies: Students are expected to familiarise themselves with the emergency policies where appropriate and the emergency procedures posted on the wall of the classroom.

DEPARTMENT OR PROGRAM OPERATIONAL DETAILS

Continuation Policy

Students must successfully complete the required and elected 2D Animation (ANIM), 3D Animation (DIGI) or VFX course credits in one term before continuing to the next term.

Punctuality

Punctuality is essential. Students more than 15 minutes late for class will be marked absent.

Professional Behaviour

Students must demonstrate a professional attitude and behaviour toward work, other students, guests, and instructors. Each student should demonstrate reliability, respect for and co-operation with colleagues. A willingness to work calmly and courteously under difficult conditions as well as a determination to achieve first-class work while meeting deadlines is necessary in this course. Students must show respect for equipment and facilities.

Class Recordings

Class sessions may be recorded for use within this course only. Recordings may not be shared, reproduced, or uploaded outside the class. If recordings are to be used for any other purpose, students who are identifiable will be notified and their consent requested in advance.

Online Community and Communication Tools

All class content will be available through the course on <https://elearn.capu.ca>. All direct student communication will be done via Capilano email/teams.

Software	Link
eLearn	https://elearn.capu.ca/
myCapU	www.capilanou.ca/mycapu/
Zoom	www.zoom.com/
Microsoft Teams	teams.microsoft.com