

# SYLLABUS

## COURSE INFORMATION

Course title: Creative Technology  
Course number: CHEN 1000  
Location: ECCS 201  
Meeting day/time: TTh 3:30 – 4:45 PM

## INSTRUCTOR INFORMATION

Professors: Katie O'Harra (Coordinator) Kristi Anseth, Al Weimer, Wilson Smith  
Email: [chen1000@colorado.edu](mailto:chen1000@colorado.edu)  
Office: JSCBB, BIOT D1B18  
Office Hours: Help Sessions/Office Hours Schedule will be posted on Canvas  
GTA Bianca Santana

## DESCRIPTION

Delve into cutting-edge topics such as the science of climate change, biotechnology, biomedical devices, advanced materials, renewable energy, and environmental sustainability! This course will introduce undergraduate students to the most recent concepts in technology and how these concepts impact all aspects of life, including human health and the health of the planet.

## REQUIRED MATERIALS

- *Readings will be assigned in advance on Canvas, but no textbook is required.*
- An iClicker remote transmitter device is required.

## STUDENT LEARNING OUTCOMES

By the end of this course, students will:

- Better understand a broad array of cutting-edge technologies.
- Gain science and technology literacy, both with respect to better understanding basic concepts and finding reliable information.
- Think critically about technology and the way technology interacts with government policies, culture, and societal equity.
- Understand the scientific method and how to interpret quantitative data from visualizations.

## GRADE ELEMENTS

**Midterm Exams:** There will be four in-class exams during the semester; dates are listed on the Course Schedule. Each will cover the material assigned since the previous exam. Please do not schedule anything (plane flight, wedding, social engagement, etc.) for any of the dates. **There will be no make-up exams.**

**Final Exam:** The final exam is cumulative. The final exam will take place on Monday, May 5 1:30–4 p.m.

Note: All exams will consist of multiple-choice questions; the instructor will provide you with a Scantron sheet. You should bring a pencil and your student ID to all exams.

**On-line Reading Quizzes:** Reading quizzes will be posted with deadlines distributed throughout the semester. In general, you will be doing the readings before we discuss the topics in class. Occasionally, we will cover something in class before you read about it, but an attempt will be taken to keep this to a minimum. Quizzes are found and submitted on Canvas. Each quiz will be open for approximately 5 days; once you start the quiz, you will have 30 minutes to complete it. Therefore, you should do the reading before opening the quiz. There will be approximately 8-10 quizzes throughout the semester, and they will not be spaced evenly.

**Clickers:** Some classes will include clicker questions. Many clicker questions will be survey-type questions; on these, you will receive all 3 points for responding to the question. Some clicker questions will be “quiz” type questions. Here, you will receive 2 points for responding to the question, and one additional point for the correct answer. Up to ~ 10% of clicker points may be dropped to allow for unexpected absences or missed questions.

**Report:** One creative technology project will be assigned, which will connect and contextualize creative technologies seen in your home discipline or primary field of study. This will be introduced and completed during the 4<sup>th</sup> course module (led by O’Harra).

## GRADE FORMULA

Midterm exams	15% each*
Class Participation (Clickers)	10%
Report	10%
Cumulative final exam	20%

*\* If your reading quiz average is >70%, the lowest midterm will be dropped and each of the remaining exams will count 20%.*

Your final grade will be based on the average you accumulate. *The following scale can be adjusted during the semester, but only in your favor.*

Average > 90%	A/A–
90% > Average > 80%	B+/B/B–
80% > Average > 70%	C+/C/C–
70% > Average > 60%	D+/D/D–
Average < 60%	F

Note: No make-up exams; no make-up clickers; no make-up reading quizzes!

## **POLICIES**

### Attendance:

Class attendance is required. This means that you are responsible for knowing what is discussed during lecture. Class notes will be posted after class on Canvas, but there may be gaps in the notes and information only disseminated during class.

Academic Integrity: You are responsible for knowing and adhering to the academic integrity policy of your respective school, program, department, college, etc. In particular, you must abide by the CU Honor Code including the prohibition against unauthorized assistance. This includes doing your own work on exams, homework, clicker questions, quizzes, etc.

### Class Communication:

Email is deemed by the University of Colorado an official method of communication. Therefore, if something important is sent to the class email and you do not receive this email or do not read your email, you may be missing important course-related information. This includes but is not limited to information related to changes/additions to homework assignments, exam schedule changes, course syllabus modifications, etc. Furthermore, any announcement made in class is official; if you are absent when an announcement is made you are still responsible for this information. An effort will be made to announce this on Canvas as well, but no guarantees. Students may email the instructor/lead TA at: [chen1000@colorado.edu](mailto:chen1000@colorado.edu). Expect a response within one business day.

### Classroom Behavior:

Students and faculty are responsible for maintaining an appropriate learning environment in all instructional settings, whether in person, remote, or online. Failure to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with race, color, national origin, sex, pregnancy, age, disability, creed, religion, sexual orientation, gender identity, gender expression, veteran status, political affiliation, or political philosophy.

For more information, see the [classroom behavior policy](#), the [Student Code of Conduct](#), and the [Office of Institutional Equity and Compliance](#).

*Requirements for Infectious Disease:*

Members of the CU Boulder community and visitors to campus must follow university, department, and building health and safety requirements and all applicable campus policies and public health guidelines to reduce the risk of spreading infectious diseases. If public health conditions require, the university may also invoke related requirements for student conduct and disability accommodation that will apply to this class.

If you feel ill and think you might have COVID-19 or if you have tested positive for COVID-19, please stay home and follow the [guidance of the Centers for Disease Control and Prevention \(CDC\)](#) for isolation and testing. If you have been in close contact with someone who has COVID-19 but do not have any symptoms and have not tested positive for COVID-19, you do not need to stay home but should follow the [guidance of the CDC](#) for masking and testing.

*Accommodation for Disabilities, Temporary Medical Conditions, and Medical Isolation:*

If you qualify for accommodations because of a disability, please submit your accommodation letter from Disability Services to your faculty member in a timely manner so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities in the academic environment. Information on requesting accommodations is located on the [Disability Services website](#). Contact Disability Services at 303-492-8671 or [dsinfo@colorado.edu](mailto:dsinfo@colorado.edu) for further assistance. If you have a temporary medical condition, see [Temporary Medical Conditions](#) on the Disability Services website.

If you have a required medical isolation for which you require adjustment, please alert the instructor at the email address provided above.

*Preferred Student Names and Pronouns:*

CU Boulder recognizes that students' legal information doesn't always align with how they identify. Students may update their preferred names and pronouns via the student portal; those preferred names and pronouns are listed on instructors' class rosters. In the absence of such updates, the name that appears on the class roster is the student's legal name.

*Honor Code:*

All students enrolled in a University of Colorado Boulder course are responsible for knowing and adhering to the [Honor Code](#). Violations of the Honor Code may include but are not limited to: plagiarism (including use of paper writing services or technology [such as essay bots]), cheating, fabrication, lying, bribery, threat, unauthorized access to academic materials, clicker fraud, submitting the same or similar work in more than one course without permission from all course instructors involved, and aiding academic dishonesty.

All incidents of academic misconduct will be reported to Student Conduct & Conflict Resolution: [honor@colorado.edu](mailto:honor@colorado.edu), 303-492-5550. Students found responsible for violating the [Honor Code](#) will be assigned resolution outcomes from the Student Conduct & Conflict Resolution as well as be subject to academic sanctions from the faculty member. Visit [Honor Code](#) for more information on the academic integrity policy.

*Sexual Misconduct, Discrimination, Harassment and/or Related Retaliation:*

CU Boulder is committed to fostering an inclusive and welcoming learning, working, and living environment. University policy prohibits [protected-class](#) discrimination and harassment, sexual misconduct (harassment, exploitation, and assault), intimate partner violence (dating or domestic violence), stalking, and related retaliation by or against members of our community on- and off-campus. These behaviors harm individuals and our community. The Office of Institutional Equity and Compliance (OIEC) addresses these concerns, and individuals who have been subjected to misconduct can contact OIEC at 303-492-2127 or email [cureport@colorado.edu](mailto:cureport@colorado.edu). Information about university policies, [reporting options](#), and [support resources](#) can be found on the [OIEC website](#).

Please know that faculty and graduate instructors must inform OIEC when they are made aware of incidents related to these policies regardless of when or where something occurred. This is to ensure that individuals impacted receive outreach from OIEC about resolution options and support resources. To learn more about reporting and support for a variety of concerns, visit the [Don't Ignore It page](#).

*Religious Accommodations:*

Campus policy requires faculty to provide reasonable accommodations for students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. Please communicate the need for a religious accommodation in a timely manner. In this class, please notify the instructor by email of any requested accommodations within the first two weeks of class.

See the [campus policy regarding religious observances](#) for full details.

*Mental Health and Wellness:*

The University of Colorado Boulder is committed to the well-being of all students. If you are struggling with personal stressors, mental health or substance use concerns that are impacting academic or daily life, please contact [Counseling and Psychiatric Services \(CAPS\)](#) located in C4C or call (303) 492-2277, 24/7.

Free and unlimited telehealth is also available through [Academic Live Care](#). The Academic Live Care site also provides information about additional wellness services on campus that are available to students.