

CGSC 3704A:DIGH 3704A Cognitive Science and Digital Humanities Course Outline Fall 2021

Class Information

Dates: Sep 08, 2021 – Dec 10, 2021

Location: On-Line

Lecture time: A-Synchronous lecture delivery through the course page

Scheduled class time: Wednesday 11:35 to 2:25 am

Prerequisite(s): CGSC 1001; CGSC 2001 or DIGH 2001; and third-year standing.

Instructor Information

Instructor: Robert West

Office: DT2209

E-mail: robertwest@cunet.carleton.ca

Office Hours: By appointment

Course Description

This course will explore the relationship between Cognitive Science and the Digital Humanities from a variety of perspectives.

Readings

No textbook. – Assigned content will be free online resources only

Evaluation

There will be two online, open book exams. Since there is no textbook, open book refers to notes from the lectures. An outline of all the lecture contents will be made available after each lecture. There will also be a thought paper, which will be broken into two parts.

Evaluation	Weight of Grade
Mid-term exam - October 13	33%
Final exam - TBA	33%
Thought Paper part 1 - November 3	16%
Thought Paper part 2 - December 10	18%

- All materials from the lectures (excluding videos) and notes are examinable
- All exams are multiple choice – Please note that the questions are designed to test understanding of the course material and not just memorization
- Exams are not cumulative
- The project will be a thought paper
- Lectures on how to write a thought paper will be provided
- A specific rubric for the thought paper will also be provided

The topics covered and their anticipated delivery date

Typically, material for the week will be posted on Monday

- Introduction (Sept 9 – 16)
 - What is Cognitive Science?
 - What is Digital Humanities (DH)?
 - How are they related?
- Consciousness (Sept 23)
 - Can computers be conscious?
 - Is qualia digital?
 - Online extended/distributed consciousness
- Studying humans (Sept 30 – Oct 7)
 - Cognitive methods for DH
 - DH methods for Cognitive Science
- Is the medium the message? (Oct 14 – 21)
 - Media and context
 - Brains and context
- Art versus science (Nov 4)
 - Creativity in art and science
 - Imagination
- Interacting with AI (Nov 11)
 - Expert systems
 - Deep fakes
- Digital versus analogue (Nov 18)
 - Shannon information
 - Turing machines
 - Content versus form
- Evolution, Mind, and Culture (Nov 22)
 - Is the mind genetically determined?
 - Is culture genetically determined?
 - Race, IQ, and culture
- Cultural engineering (Nov 25)
 - Fictional utopias and dystopias
 - Conditioning, cognition, and free will
- Framing the digital (Dec 2)
 - The knowledge level
 - Philosophical frames
 - Complexity and thought
- Emotion (Dec 6)
 - Meta data and labeling
 - Emotion as prediction
 - Emotion as signal
- Mental health in the digital age (Dec 9)
 - Cognitive Behavioural Therapy
 - Positive Psychology and culture
 - Psycho Analysis

***This schedule is to be regarded as tentative**

Additional Information

In accordance with the Carleton University Undergraduate Calendar (p 34), the letter grades assigned in this course will have the following percentage equivalents:

A+ = 90-100 A = 85-89 A - = 80-84
B+ = 77-79 B = 73-76 B - = 70-72
C+ = 67-69 C = 63-66 C - = 60-62
D+ = 57-59 D = 53-56 D - = 50-52 F = Below 50

You may need special arrangements to meet your academic obligations during the term. For an accommodation request, the processes are as follows:

Pregnancy obligation

Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, visit the Equity Services website: carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf

Religious obligation

Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, visit the Equity Services website: carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf

Academic Accommodations for Students with Disabilities

If you have a documented disability requiring academic accommodations in this course, please contact the Paul Menton Centre for Students with Disabilities (PMC) at 613-520-6608 or pmc@carleton.ca for a formal evaluation or contact your PMC coordinator to send your instructor your Letter of Accommodation at the beginning of the term. You must also contact the PMC no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with your instructor as soon as possible to ensure accommodation arrangements are made. carleton.ca/pmc

Survivors of Sexual Violence

As a community, Carleton University is committed to maintaining a positive learning, working and living environment where sexual violence will not be tolerated, and is survivors are supported through academic accommodations as per Carleton's Sexual Violence Policy. For more information about the services available at the university and to obtain information about sexual violence and/or support, visit: carleton.ca/sexual-violence-support

Accommodation for Student Activities

Carleton University recognizes the substantial benefits, both to the individual student and for the university, that result from a student participating in activities beyond the classroom experience. Reasonable accommodation must be provided to students who compete or perform at the national or international level. Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. <https://carleton.ca/senate/wp-content/uploads/Accommodation-for-Student-Activities-1.pdf>

For more information on academic accommodation, please contact the departmental administrator or visit: students.carleton.ca/course-outline

Copyright policy

Student or professor materials created for this course (including presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the author(s). They are intended for personal use and may not be reproduced or redistributed without prior written consent of the author(s). The PowerPoint presentations, lecture videos, lectures notes, and other materials available to you on Brightspace may not be distributed online.

Important Information

- Students must always retain a hard copy of all work that is submitted.
- All final grades are subject to the Dean's approval.
- For us to respond to your emails, we need to see your full name, CU ID, and the email must be written from your valid CARLETON address. Therefore, in order to respond to your inquiries, please send all email from your Carleton CMail account. If you do not have or have yet to activate this account, you may wish to do so by visiting <https://carleton.ca/its/>.

For a list of dates and deadlines, including holidays and exam dates, please visit:

<https://carleton.ca/registrar/registration/dates/academic-dates/>

Additional COVID Information

All members of the Carleton community are required to follow COVID-19 prevention measures and all mandatory public health requirements (e.g. wearing a mask, physical distancing, hand hygiene, respiratory and cough etiquette) and [mandatory self-screening](#) prior to coming to campus daily.

If you feel ill or exhibit COVID-19 symptoms while on campus or in class, please leave campus immediately, self-isolate, and complete the mandatory [symptom reporting tool](#). For purposes of contact tracing, attendance will be recorded in all classes and labs. Participants can check in using posted QR codes through the cuScreen platform where provided. Students who do not have a smartphone will be required to complete a paper process as indicated on the [COVID-19 website](#).

All members of the Carleton community are required to follow guidelines regarding safe movement and seating on campus (e.g. directional arrows, designated entrances and exits, designated seats that maintain physical distancing). In order to avoid congestion, allow all previous occupants to fully vacate a classroom before entering. No food or drinks are permitted in any classrooms or labs.

For the most recent information about Carleton's COVID-19 response and required measures, please see the [University's COVID-19 webpage](#) and review

the [Frequently Asked Questions \(FAQs\)](#). Should you have additional questions after reviewing, please contact covidinfo@carleton.ca

Please note that failure to comply with University policies and mandatory public health requirements, and endangering the safety of others are considered misconduct under the [Student Rights and Responsibilities Policy](#). Failure to comply with Carleton's COVID-19 procedures may lead to supplementary action involving Campus Safety and/or Student Affairs.