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<https://new.tamuc.edu/coronavirus/>

US 397 Basic AI and Us

COURSE SYLLABUS: Fall 2023

Tuesdays: 6:30PM-7:45PM; Zoom

INSTRUCTOR INFORMATION

Instructor of record: Christian F. Hempelmann

Office Location: 226 Talbot Hall of Languages

Office Hours: every day 5-6pm by appointment

Office Phone: 903-886-5860

University Email Address: c.hempelmann@tamuc.edu

Preferred Form of Communication: email

Communication Response Time: You can expect an email response from me in 24 hours

COURSE INFORMATION

Materials: Text, Readings, Supplementary Readings

No textbook required for this course; all course materials will be provided

Catalog Description

This class will cover the development and state of the art of technologies in Artificial Intelligence with a focus on human language interaction. Based on this foundation we will look into selected current applications to understand their strengths and weaknesses. The intention is to provide you with an introduction to the inner workings of AI technologies so you become an informed professional who can independently evaluate AI application for your tasks.

Student Learning Outcomes

Students will become familiar with the principals of knowledge-based and probabilistic artificial intelligence

Students will exhibit effective oral communication skills

Students will exhibit teamwork through radical collaboration

Students will demonstrate problem-solving skills by analyzing an AI application

COURSE REQUIREMENTS

Instructional Methods/Activities/Assessments

Our course will be comprised of the following

In-class exercises

Several of the class exercises will yield an end product: a summary, an evaluation, a reflection, or some other written activity completed in class.

Final Assignments

You will complete a group project that evaluates an AI application.

Attendance and Participation:

Regular attendance and participation is expected. You will get out of the class what you put in. Plan to be present and engaged in our 75 minutes of class time together each week. Advanced notice of your absence from class would be appreciated.

GRADING

Your grade in the course will be determined by the following graded activities:

Category	Quantity	Points
In-class Exercises/Quizzes	4 @ 3 points	12 points
Final Project		15 points
Attendance and Participation	8 @ 1 point	8 points
TOTAL		35 points

Your final grade in the course will be calculated using the following point scale:

60%-100%	= S
0-69 %	= U

TECHNOLOGY REQUIREMENTS

All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the D2L/myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support: https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

YouSeeU Virtual Classroom Requirements:

<https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements>

ACCESS AND NAVIGATION

This course is primarily a face to face course. However, you will need your campus-wide ID (CWID) and password to log into any course materials on D2L. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@tamuc.edu.

Technical Support

If you are having technical difficulty with any part of D2L, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

<https://community.brightspace.com/support/s/contactsupport>

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course-Specific Policies

Extra Credit and Curving

Extra credit is not offered in this course.

Grades of Incomplete:

I do not assign grades of incomplete in this course.

University-Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx). <http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: <https://www.britannica.com/topic/netiquette>

TAMUC Attendance

For more information about the attendance policy please visit the [Attendance](http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx) webpage and [Procedure 13.99.99.R0.01](http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx). <http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

Academic Integrity

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)
[Undergraduate Student Academic Dishonesty Form](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf>

Students with Disabilities-- ADA Statement

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

Texas A&M University-Commerce

Velma K. Waters Library Rm 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: studentdisabilityservices@tamuc.edu

Website: [Office of Student Disability Resources and Services http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/](http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/)

Nondiscrimination Notice

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status.

Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web URL:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

A&M-Commerce Supports Students' Mental Health

The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.tamuc.edu/counsel

COURSE OUTLINE

All class assignments are scheduled tentatively at this time. They may be changed but advanced notice will be given in class. You are expected to have any homework assignments completed by the start of class on the date listed in the course outline.

Date	Topic	Assignment
August 29	introduction	
September 5	language for non-linguists	homework tbd
September 12	symbolic: e.g., Cyc [Lefkovitz]	
September 19	symbolic: ontologies	homework tbd
September 26	probabilistic: [?]	
October 3	probabilistic: transformers [Matthews]	homework tbd
October 10	evaluating LLMs	
October 17	wrapup	final group project