

CSCE 2996: Honors College Mentored Research Experience, Syllabus Summer 2021 at University of North Texas

Instructor Contact

Name: Mark V. Albert

Office Location: Discovery Park F297A

Office Hour: Wednesdays, 3:00-3:50pm at this zoom link: <http://meeting-room.biomed-AI.com>.

You are encouraged to use <http://meeting-scheduler.biomed-AI.com> for meeting outside office hours.

Email: mark.albert@unt.edu

Lab manager: Thasina Tabashum, ThasinaTabashum@my.unt.edu

Communication Expectations: You will be expected to regularly check university email, and be present during hours expected in the lab. For quick questions, email is preferred and you can expect a response within 24 hours during the work week (M-F).

For involved questions or discussions, contact lab leads, and if the issue is not resolved, office hours or meetings through the posted meeting scheduler link are preferred. Please pick 15 minute slots, particularly for individual meetings - we can always consider extending.

Course Description

Official: Research experience conducted by a freshman or sophomore honors student under the supervision of a faculty member. Prerequisite(s): Admission to the Honors College; freshman or sophomore class status; consent of Honors College dean. May only be taken once for Honors College credit.

This semester specifically: Students will be expected to participate fully in the UNT AI Summer Research Program, and continue their project work throughout the duration of the course during the agreed upon lab hours.

Course Structure

Time: Lab hours discussed prior to enrolling

Location: Biomedical AI Lab, Discovery Park F206

Credit hours: 1-3

Course Prerequisites

- No formal course prerequisites.

- Experience with Python is helpful as it is used extensively, but significant prior programming experience with any language will be sufficient

Materials

All materials (readings, videos, tutorials, quizzes, and assignments) will be accessible online and posted on the course calendar on the respective class day at the latest.

Readings will all be fairly dense, so please search for additional resources (e.g. wikipedia, coursera lectures) as needed. All attempts will be made to provide sufficient resources for everyone.

Textbook: No textbook is required. Students are encouraged to consult online sources which will be referenced throughout the course and linked in the course calendar where appropriate.

For example,

- The Python 3 tutorial documentation: <https://docs.python.org/3/tutorial/>
- The scikit-learn documentation: <https://scikit-learn.org/stable/documentation.html>

Technical Requirements and Skills

Minimum Technology Requirements

- Students will be expected to Download and install Anaconda Python version 3 and be able to open a Jupyter notebook

Course Requirements

Projects: You will select among a small number of collaborative projects. Project proposals, progress reports, and final reviews will be part of the process. You are required to work in groups, as this is part of a full and complete education. All people in the group are expected to contribute. This is your opportunity to demonstrate what you have learned in a way that reaches beyond the selection of tools, data sets, and approaches demonstrated in the course.

Commonly students find a unique, complex data set and associated learning problem and apply the techniques presented in the class. The expected result is to create a coherent, completed project for presentation demonstrating your efforts on your project.

Grading

Grades are determined by a simple points system, with a total of *at least* 100 pts as the goal though more than 100 points are likely. Any points given less than 100% will be discussed directly.

- Projects: 100 pts
 - Participation: 20 pts
 - Progress Reports: 20 pts
 - Final Poster: 20 pts
 - Project Presentation: 20 pts
 - Project Documentation: 20 pts

Grading Scale: A=90, B=80-89.9, C=70-79.9, D=60-69.9, F=0-59.9 pts. No exceptions. If class grades are low (e.g. I expect the vast majority of students will end with A's and B's), extra quizzes or assignments will be given to add points to the class. (Note, **these grades are based on points and not percentages, so if 120 points are given, you only need 90/120 for an A!**)

Course Evaluation

Student Perceptions of Teaching (SPOT) is the student evaluation system for UNT and allows students the ability to confidentially provide constructive feedback to their instructor and department to improve the quality of student experiences in the course. Spot evaluations will be available **July 30 - Aug 5**

Course Policies

Late Policy

When assignments and project work are turned in after the due date, this places an undue burden on the instructor and TA, especially when this policy is abused. As a compromise, if the assignment or project work is turned in *prior to grading* there will be no reduction in points, however, grading can occur any time after the due date (including the following morning!). A request for missing submissions may be sent at the discretion of the TA or instructor, but is not guaranteed, and a reduction of points may also occur in a way that is consistent for the rest of the class.

Attendance Policy

You are expected to be present regularly during lab hours. Excessive late arrival or missing days will be noted and efforts to make up for lost time will be discussed, with the goal of enabling 100% of participation points for lost attendance if addressed as discussed.

Syllabus Change Policy

Any substantial changes to the syllabus after the first week will be highlighted in red on the online platform. Approximate point values are expected to vary but will be fixed when the assignment or exam is given.

UNT Policies

Academic Integrity Policy

Academic Integrity Standards and Consequences. According to UNT Policy 06.003, Student Academic Integrity, academic dishonesty occurs when students engage in behaviors including, but not limited to cheating, fabrication, facilitating academic dishonesty, forgery, plagiarism, and sabotage. A finding of academic dishonesty may result in a range of academic penalties or sanctions ranging from admonition to expulsion from the University.

ADA Policy

UNT makes reasonable academic accommodation for students with disabilities. Students seeking accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide a student with an accommodation letter to be delivered to faculty to begin a private discussion regarding one's specific course needs. Students may request accommodations at any time, however, ODA notices of accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of accommodation for every semester and must meet with each faculty member prior to implementation in each class. For additional information see the [ODA website](https://disability.unt.edu/) (https://disability.unt.edu/).

Emergency Notification & Procedures

UNT uses a system called Eagle Alert to quickly notify students with critical information in the event of an emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence). In the event of a university closure, please refer to Blackboard for contingency plans for covering course materials.

Retention of Student Records

Student records pertaining to this course are maintained in a secure location by the instructor of record. All records such as exams, answer sheets (with keys), and written papers submitted during the duration of the course are kept for at least one calendar year after course completion. Course work completed via the Blackboard online system, including grading information and comments, is also stored in a safe electronic environment for one year. Students have the right to view their individual record; however, information about student's records will not be divulged to other individuals without proper written consent. Students are encouraged to review the Public Information Policy and the Family Educational Rights and Privacy Act (FERPA) laws and the University's policy. See UNT Policy 10.10, Records Management and Retention for additional information.

Acceptable Student Behavior

Student behavior that interferes with an instructor's ability to conduct a class or other students' opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Dean of Students to consider whether the student's conduct violated the Code of Student Conduct. The University's expectations for student conduct apply to all instructional forums, including University and electronic classroom,

labs, discussion groups, field trips, etc. Visit UNT's [Code of Student Conduct](https://deanofstudents.unt.edu/conduct) (<https://deanofstudents.unt.edu/conduct>) to learn more.

Access to Information - Eagle Connect

Students' access point for business and academic services at UNT is located at: my.unt.edu. All official communication from the University will be delivered to a student's Eagle Connect account. For more information, please visit the website that explains Eagle Connect and how to forward e-mail [Eagle Connect](https://it.unt.edu/eagleconnect) (<https://it.unt.edu/eagleconnect>).

Student Evaluation Administration Dates

Student feedback is important and an essential part of participation in this course. The student evaluation of instruction is a requirement for all organized classes at UNT. The survey will be made available during weeks 13, 14 and 15 of the long semesters to provide students with an opportunity to evaluate how this course is taught. Students will receive an email from "UNT SPOT Course Evaluations via IASystem Notification" (no-reply@iasystem.org) with the survey link. Students should look for the email in their UNT email inbox. Simply click on the link and complete the survey. Once students complete the survey they will receive a confirmation email that the survey has been submitted. For additional information, please visit the [SPOT website](http://spot.unt.edu/) (<http://spot.unt.edu/>) or email spot@unt.edu.

Getting Help

Technical Assistance

UIT Help Desk (<http://www.unt.edu/helpdesk/index.htm>)

Email: helpdesk@unt.edu

Phone: 940-565-2324

In Person: Sage Hall, Room 130

Walk-In Availability: 8am-9pm

Telephone Availability:

- Sunday: noon-midnight
- Monday-Thursday: 8am-midnight
- Friday: 8am-8pm
- Saturday: 9am-5pm

Laptop Checkout: 8am-7pm

Student Support Services

- [Registrar](https://registrar.unt.edu/registration) (<https://registrar.unt.edu/registration>)
- [Financial Aid](https://financialaid.unt.edu/) (<https://financialaid.unt.edu/>)
- [Student Legal Services](https://studentaffairs.unt.edu/student-legal-services) (<https://studentaffairs.unt.edu/student-legal-services>)
- [Career Center](https://studentaffairs.unt.edu/career-center) (<https://studentaffairs.unt.edu/career-center>)
- [Multicultural Center](https://edo.unt.edu/multicultural-center) (<https://edo.unt.edu/multicultural-center>)
- [Counseling and Testing Services](https://studentaffairs.unt.edu/counseling-and-testing-services) (<https://studentaffairs.unt.edu/counseling-and-testing-services>)
- [Student Affairs Care Team](https://studentaffairs.unt.edu/care) (<https://studentaffairs.unt.edu/care>)

- [Student Health and Wellness Center](https://studentaffairs.unt.edu/student-health-and-wellness-center)
(<https://studentaffairs.unt.edu/student-health-and-wellness-center>)
- [Pride Alliance](https://edo.unt.edu/pridealliance) (<https://edo.unt.edu/pridealliance>)

Academic Support Services

- [Academic Resource Center](https://clear.unt.edu/canvas/student-resources) (<https://clear.unt.edu/canvas/student-resources>)
- [Academic Success Center](https://success.unt.edu/asc) (<https://success.unt.edu/asc>)
- [UNT Libraries](https://library.unt.edu/) (<https://library.unt.edu/>)
- [Writing Lab](http://writingcenter.unt.edu/) (<http://writingcenter.unt.edu/>)
- [MathLab](https://math.unt.edu/mathlab) (<https://math.unt.edu/mathlab>)