## Data Science Capstone Project, DSC498
15:00-17:00 (W), Fall 2020

**Instructor**: Donghui Yan
    Contact: dyan@umassd.edu
    Office: Virtual via Zoom
    Office hours: By appointment

**Course description and objective:**
DSC498 is the first part of the Data Science Capstone project. The aim of this course is help students identify a potential topic for the Capstone project. At the conclusion of the course, students would settle on a topic for his Capstone project, and have finished the high-level design of the implementation, and, preferably, have made a milestone in the implementation of the Capstone project. Students will continue working on and finishing the project in the following semester.

**Prerequisite:** Senior year in DSC BS program or equivalent.

**Grading:** There are three course components for grading. The first part is discussion with the instructor, and every student is expected to have at least two meetings with the instructor to discuss project topics and the implementation; this part worths a total of 30 points. Students will take turns to present their project topics, designs of implementation, and progresses made through the semester; this will carry a total of 40 points. The project semester report, which is due at the end of the semester, worths 30 points. The report will be graded by both quality and clarity.

|  | # Total points | # Times | Date |
|---|---|---|---|
| Zoom with instructor | 30 | 2 | By appointment |
| Project report | 30 | 1 | End of semester |
| Presentations | 40 | - | Through the semester |

Table 1: A summary of the grading scheme for DSC498.

The letter grade will be assigned as follows:

    A: 90 points or higher, A-: [88,90), B+: [84,88), B: [80,84), B-: [78,80), C+: [74,78), C: [70,74), C-: [68,70), D+: [64,68), D: [60,64), D-: [58,60), and F: [0,58).

**Students with Disabilities**: Please note the available academic support services through the Center for Access and Success. A letter from this office will help the instructor to best assist you.

An **incomplete** may be given only in exceptional circumstances at the instructor's discretion. The student must be passing at the time of the request or be sufficiently close to passing. If the work is not completed within one year of the recording of the incomplete grade, the grade will become an F(I). The incomplete policy for this course is that at least 70% of the course must be already completed and an exceptional circumstance (i.e. medical issue) must exist. If you feel you require an incomplete for an exceptional reason, you need to email me and state your reasons for the incomplete in writing. A course of actions will then be decided.

**Classroom Policy:** Students are expected to arrive on time, and minimize unscheduled personal breaks. Students encouraged to get prepared for each class. The use of mobile or electronic devices for non-course related activities are **strongly discouraged**. If a student's behavior impacts others' learning experience, he may be asked to leave the classroom.

**Scholastic Dishonesty:** UMass Dartmouth has **zero** tolerance for acts of scholastic dishonesty (such as cheating or plagiarism). All violations will be dealt with according to established procedures and policies. Please be aware that an infraction is considered serious and could result in **F** in the course and suspension from UMass Dartmouth. This includes, but is not limited to, copying or let others copying, or collaborating during an exam, discussing or divulging the contents of an exam with another student who will take the test, and use of homework solutions from another student or semester. On all tests, you may only use the exam booklet, a pencil/pen, and a calculator. student caught cheating on an exam will receive a failing grade. Please refer to the following link for the university policy: http://www.umassd.edu/studenthandbook/ academicregs/ethicalstandards.cfm.

**Change of the syllabus:** The instructor reserves the right to interpret or make changes to the syllabus if deemed necessary.