Course Syllabus for DS 785: Capstone

NOTE: This syllabus document contains the basic information of this course. The most current syllabus is available in the full course.

Course Description

This course describes the premise of the capstone—what it entails, its purpose, and an outline of work required to fulfill the capstone project requirements.
Students are provided with an overview of the capstone course objectives—how to prepare and organize for a semester-long project, the methods used to develop a project, descriptions of project options, and the supporting work that culminates in a final project.

This course provides the information and steps needed to select a topic and a format and then prepare the project proposal that is required in the second week of enrollment. There are formal assignments within the capstone to keep you and the instructor aware of your progress. Students can contact the instructor if clarification is needed, questions arise, or there is an interest in project topic discussion and refinement.

Course Objectives By the end of this course, you will be able to:

- Identify and assess the needs of an organization for a data science task.
- Collect and manage data to devise solutions for data science tasks.
- Select, apply, and evaluate models to devise solutions for data science tasks.
- Interpret data science analysis outcomes.
- Effectively communicate data science information effectively in various formats to appropriate audiences.
- Transform findings from data resources into actionable business strategies.

Options for Communication
Email & Phone
Questions relating to the course can be sent via email or phone to be facilitated by your student success coach.

Grading

Your mastery of course content is assessed using a variety of methods:

Activity	Possible Points

Introduction Discussion	10 points
Project Updates (3)	60 points
Project Idea Submission	10 points
Project Proposal and Timeline	50 points
Interview Summary	55 points
Final Project	400 points
Total	585 points

Final grades are assigned using the following scale:

A 90-100%

B 80-89%

C 70-79%

D 60-69%

F At or below 59%