New Course Syllabus

Course Title:
IDC 6940   **Capstone Course in Data Science**

Catalog Description
Projects course using Python, SQL, R, and/or other specialized analysis toolkits to synthesize concepts from data analytics and visualization as applied to industry-relevant projects. **1-3 Credits**

Prerequisites
CAP 5768 (Introduction to Data Science)

Type
This is a required course for MS – Data Science

Objectives
The goal of this course is to carry out an industry-relevant **project** in applied Data Science that synthesizes concepts from databases, analytics, visualization and management of data. The class will meet biweekly to learn from analysis case histories, monitor project progress, have class presentations, and evaluate project progress reports. Projects may involve individual or team effort. Students will be assigned a project mentor to identify, plan, outline and execute the data science project. Students will meet periodically with their project mentor to discuss project progress and results, and to troubleshoot.

Topics
1. Project Selection and Planning
2. Designing database, analytics, and visualization aspects of the project
3. Project Presentations and Report Writing

Textbook(s)
None