Syllabus for FNT730 Technologies in FinTech

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

Course Description

FNT 730, Technologies in FinTech, covers how cloud computing, artificial intelligence, machine learning, and other technologies are used in a financial services context. Additional topics such as API design, robotic process automation, risk analysis, and cybersecurity will also be discussed.

Prerequisite(s)

None.

Course Outcomes

Upon completing this course, you will be able to do the following:

- Learn JavaScript and its use in financial services applications.
- Develop applications using JavaScript and REST APIs from the financial services environment.
- Use cloud-based infrastructures and integrated services in financial services applications.
- Discuss the use of robotic process automation (RPA) in financial services.

Course Requirements/Components

Readings/Viewings

Readings come from external resources and include articles, websites of researchers and other reputable institutions and organizations, and videos embedded in the course.

Assignments

The assignments provide you with the opportunity to apply the skills and knowledge required for the successful completion of the course. Assignments must be well organized, use a scholarly tone, be consistent with graduate-level writing/communication style, and be turned in on time. Check your grades for feedback on assignments. Refer to the course calendar for all due dates.

Midterm and Final Exams

The purpose of the midterm exam is to assess your readiness to apply course concepts in the qualitative assessment. There are three written final exams to have you connect the concepts from this course

Final Project

The goal of the final project is to deeply understand and communicate a current topic in FinTech. Through this project, you will develop a deep understanding of a particular topic and gain a breadth of knowledge in several current topics in FinTech from your fellow students' projects. Each of these topics will draw on and extend your knowledge of technologies in FinTech.

Grading

The following grading scale will be used to evaluate all course requirements and to determine your final grade:

Grade	Percentage Range
A	90% - 100%
B	80% - 80%
C	70% - 79%
F	< 70%

Assignment	Percent
Quizzes (4)	10%
Assignments (5)	35%
Final Project	25%
Exams (4)	30%
Total	100%