

UNIVERSITY OF NEVADA LAS VEGAS

Finance Department

FINQ 773 Capstone Project

Course Description

A capstone project is a required culminating experience for the MS Quantitative Finance (MSQF) program and should apply knowledge obtained from the MSQF coursework to a project involving significant data analysis using large financial datasets. This will help prepare students for finance-related careers involving financial data analytics.

This course will be used to fulfill the requirement that graduate programs assess at least one outcome related to one of the following graduate level requirements each year:

Prerequisites

Admission in MSQF program and completion of at least 24 credit hours of MSQF coursework including Corporate Finance Modeling and Investments Modeling, or approval by Director of MSQF program.

Student Learning Outcomes

The MSQF program learning outcomes are given below and FINQ 773 covers all these outcomes.

Students will be assessed towards the achievement of the following outcomes: Finance 3.5 (e)-3.9(s).2 (he)-31.9(m)-3.3 (e)a (ude3.84 (i)-3.39(s2(d 462.

- Analyze data with advanced statistical and econometric techniques.
- Apply computer programming and statistical software to analysis of data.
- Think critically about financial problems and provide potential solutions.
- Develop the ability to manipulate and analyze large financial datasets.
- Communicate effectively.

Organization and Delivery

Students will have to work in teams of **3-5** students per group. It is up to students to decide on group compositions. Students are required to maintain the same group members throughout the course. The project will be a comQF program director will be the

mandated to periodically meet with their faculty

Grading

The final grade will be based on the group's performance on the interim report, the final report, and the group's presentation and answers during Q&A. The weights on each component of the overall course grade are as follows:

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|----------------------|-----|
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| Interim report | 10% |
| Final report | 50% |
| Presentation and Q&A | 40% |

Grading will be conducted through the use of a rubric evaluating the following concepts:

- Understanding of financial concepts,
- Utilize advanced statistical and econometric techniques
- Use computer programming and statistical software for data analysis
- Use critical thinking
- Manipulate and analyze large financial datasets Communicate effectively
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