

Syllabus

FIN4450 Finance Information System Winter 2024

William Paterson University
Cotsakos College of Business
Dept. of Economics, Finance, and Global Business

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Course Website: <http://bb.wpunj.edu>

Communication methods: I will respond emails in 24-48 hours. I am also available for zoom meeting if email can't solve questions

Required Materials

Required Book: **Financial Analysis with Microsoft Excel**, 9th edition by Timothy R. Mayes

Course Description

This course applies spreadsheet and computer programming skills to the modeling practice in the field of corporate finance and financial markets. The course will cover topics such as Data analysis in Microsoft Excel, Pivot tables, examining popular financial and investment models, integrating spreadsheet functionalities, cash budget analysis, security valuations, portfolio risk analysis.

Prerequisite: FIN3200 Corporate Finance

Course Objective:

1. Analyze financial data using Excel functions.
2. Collect and put financial data together and apply critical thinking and problem solving to determine the value of the assets and projects.
3. Create financial analysis for any given company.
4. Integrate knowledge of corporate finance and financial markets with analytic skills.

Expected Learning Outcomes:

After taking the course students should be able to:

1. Utilize Excel to create data analysis from the financial statements including an Income Statement and a Balance Sheet. Include named cells and utilize formulas in their spreadsheets. Use a combination of relative, mixed and absolute cell references.
2. To calculate financial concepts like cost of capital, NPV and others using Excel financial functions and be able to generate the excel worksheet. Use a range of assumptions to conduct sensitivity analysis.
3. Understand the role and function of financial software has in financial markets. To be familiar with the financial websites and financial statements.

4. Use internet resources to obtain historical and current trading data for equity, bonds and other financial markets. To conduct a financial analysis using the financial data and evaluate the company financial situation. Discuss the ethical/legal implications of inflating or distorting financial data in the financial markets.
5. Integrate their knowledge regarding capital budgeting, financial statements, ratio analysis, risk management, cost capital, working capital, investments to apply in the assignments with integrated tables/graphs from MS Excel and also the data series obtained from financial databases. Discuss impact of comprehensive financial investment and impact for clients, communities, governments, and society.

Methods of Assessment of Learning Outcomes:

Assignments and exam will be used to assess the learning outcomes of this course. Homework assignments and final exam will all be listed on BB.

Criteria for Grade Determination:

7 Homework assignments, with 20 points for each one (20*7)
Total score: 140 points

Grading Scale:

97% = A+, 94% = A, 90% = A-, 87% = B+, 84% = B, 80% = B-
77% = C+, 74% = C, 70% = C-, 67% = D+, 64% = D, below 60% = F

Blackboard:

This course will be managed through BlackBoard and University email accounts. Students are responsible for checking the site regularly for announcements and e-mails from the instructors. *Computer problems will not be accepted as an excuse for not finishing assignments on time.* Allow ample time to deal with computer glitches. For all technology questions, go to <http://www.wpunj.edu/bb/students/>.

Homework:

All homework assignments must be turned in on time. Homework will be listed on blackboard under Assignment section. Students caught copying others' work (even work from a previous semester) will receive a zero for the assignment and/or an "F" for the course at the instructor's discretion. Check blackboard for assignment due dates, **no late homework will be accepted**

Academic Honesty:

Academic honesty is expected. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from the University. Since dishonesty harms the individual, fellow students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced. Each student is expected to follow the honor code and behave in accordance with the rules of the University as outlined in the *Code of Student Conduct*.

Nondiscrimination statement:

WPU is committed to the principle that in no aspects of its programs shall there be differences in the treatment of persons because of race, creed, national origin, age, sex, or

disability, and that equal opportunity and access to facilities shall be available to all.

Plagiarism:

Plagiarism occurs when a student submits work that is not his or her own. This includes copying from printed materials, websites, or from other people. Any assignment containing plagiarized material will automatically be graded as zero. Plagiarism may also result in failing the entire course. Students who do not thoroughly understand methods of proper documentation should request assistance from the instructor. WPU and this class will use turnitin.com software to prevent or detect problems.

Netiquette Expectations

This link will bring you to netiquette expectations for this course:

<http://www.albion.com/netiquette/corerules.html>

Preliminary Course Outline (All assignment due time is 11:59pm EST)

Module 1: The cash budget (01/04-01/09)

Discussion 1 and Assignment 1 (Due 01/09)

Module 2: Time value of Money (01/10-01/13)

Discussion 2 and Assignment 2 (Due 01/13)

Module 3: Bond valuation (01/14-01/18)

Discussion 3 and Assignment 3 (Due 01/18)

Module 4: Capital budgeting (01/19-01/24)

Discussion 4 and Assignment 4 (Due 01/24)