



**FINA 5511-B
Investments
Winter 2024**

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Office: 6033 Nicol Building
Office Hours: TBD, Online

Class Meeting: Monday 11:35 am – 2:25 pm

Course Calendar Description:

The analytical foundations and tools necessary for successful decision-making by investment managers and analysts and by individual investors. Includes a significant hands-on component.

Course Description:

This is an introductory course in finance. It addresses topics in finance that are important for all managers in organizations to understand. In addition to informing managers generally, these topics amount to an important foundation for higher level finance courses and will be used extensively in those courses. Finally, some of the topics addressed in this course can help with personal financing and investment decisions.

Course Learning Objectives:

It is the objective of this course to teach students:

- Describe the main functions of the financial system, major asset classes and markets;
- Understand the trade-related calculation, such as market orders and limit orders, margin transaction, and leverage ratio;
- Describe a security market index and compare various types of security market indexes;
- The concepts of modern portfolio theory;
- Basic understanding of asset allocation;
- Behavioral finance and how it is applied to explain market anomalies;
- Basic understanding of technical analysis;
- How to evaluate a fund's performance and present the performance results.

Course Prerequisites: FINA 5502 or FINA 5505. The School of Business enforces all prerequisites.

Required Materials: CFA Program Curriculum Level I, II, and III (2022 or other versions)

Final Exam Date: TBD

Drop Course Policy: The deadline for academic withdrawal is March 15th, 2024.

Grading Scheme:

Class Attendance	10%
Individual Assignment	10%
In-class Quiz	15%
Group Project	25%
Final Exam	40%
TOTAL	100%

Class Attendance will be checked at the end of each lecture if there is no further announcement. Students will be required to sign on an attendance sheet before leaving the classroom.

Quiz: To encourage students to keep up with the course material and to measure students' understanding of the material, I will administer one in-class quiz. The quiz will be 25-30 minutes in duration and it will be multiple choice questions. At the end of the lecture preceding the week of the quiz, you will be informed of the topics that will be tested in the quiz.

Group Project: As noted below this course involves group case analysis. During the first class, groups of 2 or 3 students should be formed. Students should choose their own groups. After the first class, each group should email the professor the names and student numbers of the group members.

Your group is required to construct a portfolio using stocks listed on the stock exchange. The goal of this exercise is to provide you an opportunity to apply the concepts that have been discussed in class to solve practical problems. You are required to choose your companies (**no later than the fourth week**). Each group will be responsible for preparing a detailed analysis of the chosen firms.

The assignment will be professionally written with a maximum length of 3,000 words (excluding appendices). The first page of your report will consist of an executive summary of the group's analysis and recommendations. The subsequent pages will document the analysis and reasoning. Numerical analyses that are referred to in the write-up should be provided as appendices. Guidelines for the assignment will be posted on Brightspace.

Final Exam: It will be a comprehensive test, covering material from the entire course. More information about the final exam will be provided in class as the term progresses. The date of the final exam will be announced through the University's normal procedures. It is important that you are available for the final exam. **Allowance will not be made for conflicting travel plans.**

Note: The final exam will be comprehensive, covering material from the entire course. If you obtain less than 50% on the final exam, you will receive an "F" grade regardless of your total marks in the course. Also, students who do not demonstrate a minimum level of performance during the term will not be allowed to defer the final exam. The requirement for satisfactory in-term performance is an overall mark of 50% or better on the assignments and quiz. Students with unsatisfactory in-term performance who miss the final exam will be awarded FND for the course.

Deferred Final Examination: Students unable to write a final examination because of illness or other circumstances beyond their control must contact the instructor and the MBA office in writing to request a deferred exam. Permission may be granted when the absence is supported by a medical certificate and or appropriate document/s to support the reason for the deferral. Deferred exams are not granted for students who have made travel arrangements that conflict with examination schedule.

Late Assignments:

To ensure fairness for all students, penalties will be applied to late assignments: Failure to submit an assignment on time will result in an initial penalty of five (5) percentage points, followed by an additional (2) percentage points per day thereafter. For example, an assignment that would normally merit a grade of 80% would receive a grade of 75% if submitted after the deadline on the due date, 73% if submitted the following day, and so on. Requests for extension will be considered in cases of illness, family emergency, or other exceptional circumstances.

Contribution to Program Learning Goals (MFin):

MFin Learning Goal	Not Covered	Introduced	Taught but Not Assessed	Taught <u>and</u> Assessed
<p>Learning Goal 1 - Ethical and Professional Conduct Graduates will conduct themselves in alignment with the CFA Code of Ethics and Standards of Professional Conduct.</p>	✓			
<p>Learning Goal 2 - Financial Markets, Institutions, and Instruments Graduates will demonstrate an understanding of financial markets, instruments, and institutions.</p>				✓
<p>Learning Goal 3 - Portfolio Management Graduates will understand the motivations of investors and manage an investment portfolio that achieves those objectives.</p>				✓
<p>Learning Goal 4 - Data Analysis Graduates will be proficient in data management, analytics, and modeling.</p>				✓
<p>Learning Goal 5 – Communication Graduates will be effective communicators.</p>				✓

ADDITIONAL INFORMATION

Course Sharing Websites:

Materials created for this course (including presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the author(s). They are intended for personal use and may not be reproduced or redistributed without prior written consent of the author(s).

Recommended Calculator for Examinations:

If you are purchasing a calculator, we recommend any one of the following options: Texas Instruments BA II Plus (including Pro Model), Hewlett Packard HP 12C (including Platinum model), Staples Financial Calculator, Sharp EL-738C & Hewlett Packard HP 10bII

Group Work:

The Sprott School of Business encourages group assignments. They provide you with opportunities to develop and enhance interpersonal, communication, leadership, followership and other group skills. Group assignments are also an effective way to learn integrative skills for putting together a complex task. Your professor may assign one or more group tasks, assignments, or projects in this course. Before embarking on a specific problem as a group, it is your responsibility to ensure that the problem is meant to be a group assignment and not an individual one.

If peer evaluation will be used as an input when assigning grades to group work, specify the procedure. See the example below:

Peer Evaluation for Group Work

To deter social loafing and ensure fairness in grading, you will be asked to assess the contribution of your fellow group members. This information will be used when assigning the grade for the final project. The procedure is as follows: Each student should take 100 points and allocate those points to the various members of the group (including him/her/themself) to reflect the contributions made by each member. For instance, if there are four members in a group and everyone contributed equally, each individual would receive 25 points. Conversely, if an individual contributed relatively little, the remaining group members might allocate few points to that member. To ensure that these peer evaluation scores are reasonable and free from personal bias, you will be asked to provide a detailed written explanation for your point allocation.

Letter Grades:

In accordance with the Carleton University Undergraduate Calendar (p 34), the letter grades assigned in this course will have the following percentage equivalents:

A+ = 90-100	B+ = 77-79	C+ = 67-69	D+ = 57-59	F = Below 50
A = 85-89	B = 73-76	C = 63-66	D = 53-56	

A - = 80-84 B - = 70-72 C - = 60-62 D - = 50-52

Grades entered by Registrar:

WDN = Withdrawn from the course

DEF = Deferred

Academic Regulations:

University rules regarding registration, withdrawal, appealing marks, and most anything else you might need to know can be found on the university's website, here:

<http://calendar.carleton.ca/undergrad/regulations/academicregulationsoftheuniversity/>

Requests for Academic Accommodation:

You may need special arrangements to meet your academic obligations during the term. For an accommodation request, the processes are as follows:

- **Pregnancy**

Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, visit the Equity Services website: <https://carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf>

- **Religious Obligations**

Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. For more details, visit the Equity Services website: <https://carleton.ca/equity/wp-content/uploads/Student-Guide-to-Academic-Accommodation.pdf>

- **Students with Disabilities**

If you have a documented disability requiring academic accommodations in this course, please contact the Paul Menton Centre for Students with Disabilities (PMC) at 613-520-6608 or pmc@carleton.ca for a formal evaluation or contact your PMC coordinator to send your instructor your Letter of Accommodation at the beginning of the term. You must also contact the PMC no later than two weeks before the first in-class scheduled test or exam requiring accommodation (if applicable). After requesting accommodation from PMC, meet with your instructor as soon as possible to ensure accommodation arrangements are made. <https://carleton.ca/pmc/>

- **Survivors of Sexual Violence**

As a community, Carleton University is committed to maintaining a positive learning, working and living environment where sexual violence will not be tolerated, and its survivors are supported through academic accommodations as per Carleton's Sexual Violence Policy. For more information about the services available at the university and to obtain information about sexual violence and/or support, visit: <https://carleton.ca/sexual-violence-support/>

- **Student Activities**

Carleton University recognizes the substantial benefits, to both the individual student and the university, that result from participating in activities beyond the classroom experience. Reasonable

accommodation will be provided to students who compete or perform at the national or international level. Please contact your instructor with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist. <https://carleton.ca/senate/wp-content/uploads/Accommodation-for-Student-Activities-1.pdf>

For more information on academic accommodation, please contact the departmental administrator or visit: <https://students.carleton.ca/course-outline/>

Academic Integrity:

Violations of academic integrity—presenting another’s ideas, arguments, words or images as your own, using unauthorized material, misrepresentation, fabricating or misrepresenting research data, unauthorized co-operation or collaboration or completing work for another student—are a serious academic offence, weaken the quality of the degree, and will not be tolerated. Penalties may include; a grade of Failure on the submitted work and/or course; academic probation; a refusal of permission to continue or to register in a specific degree program; suspension from full-time studies; suspension from all studies at Carleton; expulsion from Carleton, amongst others. Students are expected to familiarize themselves with and follow the Carleton University Student Academic Integrity Policy which is available, along with resources for compliance at: <https://carleton.ca/registrar/academic-integrity/>

Centre for Student Academic Support:

The Centre for Student Academic Support (CSAS) is a centralized collection of learning support services designed to help students achieve their goals and improve their learning both inside and outside the classroom. CSAS offers academic assistance with course content, academic writing and skills development. Visit CSAS on the 4th floor of MacOdrum Library or online at: <https://carleton.ca/csas/>

Other Important Information:

- Students must always retain a copy of all work that is submitted.
- All final grades are subject to the Dean’s approval.
- For us to respond to your emails, we need to see your full name, CU ID, and the email must be written from your valid CARLETON address. Therefore, in order to respond to your inquiries, please send all email from your Carleton cmail account. If you do not have or have yet to activate this account, you can do so by visiting <https://carleton.ca/its/get-started/new-students-2/>

COURSE SCHEDULE

Week	Date	Topic/Agenda	Pre-class Prep
1	Jan 08	Investment History and Vehicles	Market Organization and Structure (L1V4)
2	15	Trading and Market Indexes	Security Market Indexes (L1V4)
3	22	Modern Portfolio Theory and Lab (a laptop with Python is required)	Portfolio Risk and Return: Part I and II (L1V5)
4	29	Technical Analysis and Asset Allocation	Technical Analysis (L1V6); Overview of Asset Allocation (L3V1)
5	Feb 05	Behavioral Finance and Market Behavior In-class Quiz	The Behavioral Biases of Individuals (L1V6); Behavioral Finance and Investment Processes (L3V1)
6	12	Performance Evaluation and Presentation of Performance Results Group Project Due Individual Assignment Due	Portfolio Performance Evaluation (L3V5); Portfolio Reporting and Review (L3V4)
		Final Exam	