

# IB357-15 Investment Management

**24/25**

**Department**

Warwick Business School

**Level**

Undergraduate Level 3

**Module leader**

Constantinos Antoniou

**Credit value**

15

**Module duration**

10 weeks

**Assessment**

Multiple

**Study location**

University of Warwick main campus, Coventry

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## Description

### Introductory description

This is an elective module available for WBS and non-WBS students.

This module provides an advanced theoretical and practical treatment of modern portfolio theory and portfolio management, mainly from an equity market perspective.

Issues to be considered include security selection, portfolio construction, asset pricing models, market efficiency, performance measurement and limits to arbitrage.

[Module web page](#)

### Module aims

This module provides an advanced theoretical and practical treatment of modern portfolio theory and portfolio management, mainly from an equity market perspective.

Issues to be considered include security selection, portfolio construction, asset pricing models, market efficiency, performance measurement and limits to arbitrage.

### Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

Portfolio theory  
Asset pricing models  
Market Efficiency  
Behavioural Finance  
Limits to arbitrage  
Bonds  
Derivatives

## **Learning outcomes**

By the end of the module, students should be able to:

- Demonstrate advanced knowledge of portfolio and asset pricing theory.
- Understand how investment management relates to market efficiency.
- Understand how theories in behavioral finance can help managers analyze market inefficiency.
- Understand how limits to arbitrage impact investment management.
- Be able analyze bonds, and how to hedge interest rate risk.
- Be familiarized with trading strategies with options.
- Financial reasoning and paying attention to risk.

## **Indicative reading list**

The main textbook used in the module is Bodie, Zvi, Alex Kane, and Alan J. Marcus. Investments, 11th edition, McGraw-Hill 2018.

Articles

Porta, Rafael La, et al. "Good news for value stocks: Further evidence on market efficiency." *The Journal of Finance* 52.2 (1997): 859-874.

Lakonishok, Josef, Andrei Shleifer, and Robert W. Vishny. "Contrarian investment, extrapolation, and risk." *The Journal of Finance* 49.5 (1994): 1541-1578.

K. BRUNNERMEIER, and Stefan Nagel. "Hedge funds and the technology bubble." *Journal of Finance* 59.5 (2004): 2013-2040.

Shleifer, Andrei, and Robert W. Vishny. "The limits of arbitrage." *The Journal of Finance* 52.1 (1997): 35-55.

## **Subject specific skills**

Use portfolio and asset pricing theory to solve mathematical problems related to investment management.

Learn to use data to solve problems in investment management.

## **Transferable skills**

Problem solving using mathematics, interpreting numbers from published research and extracting value from publicly available information.

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# Study

## Study time

Type	Required
Lectures	10 sessions of 1 hour (13%)
Seminars	9 sessions of 1 hour (12%)
Online learning (independent)	10 sessions of 1 hour (13%)
Private study	48 hours (62%)
Total	77 hours

## Private study description

No private study requirements defined for this module.

## Costs

No further costs have been identified for this module.

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## Assessment

You do not need to pass all assessment components to pass the module.

### Assessment group D7

	Weighting	Study time
Participation	10%	8 hours
Participation in activities on a weekly basis via my.wbs		
In-person Examination	90%	65 hours
Exam		

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- Answerbook Green (8 page)
- Students may use a calculator

### Assessment group R2

	Weighting	Study time
In-person Examination	100%	

Exam

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- Answerbook Green (8 page)
- Students may use a calculator

## Feedback on assessment

Feedback via My.WBS.

[Past exam papers for IB357](#)

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## Availability

### Courses

This module is Optional for:

- UIBA-MN34 Law and Business Four Year (Qualifying Degree)
  - Year 3 of MN34 Law and Business Studies Four Year (Qualifying Degree)
  - Year 4 of MN34 Law and Business Studies Four Year (Qualifying Degree)
- UECA-3 Undergraduate Economics 3 Year Variants
  - Year 3 of L100 Economics
  - Year 3 of L100 Economics
  - Year 3 of L100 Economics
  - Year 3 of L116 Economics and Industrial Organization
  - Year 3 of L116 Economics and Industrial Organization
- UECA-4 Undergraduate Economics 4 Year Variants
  - Year 4 of L103 Economics with Study Abroad
  - Year 4 of LM1H Economics, Politics & International Studies with Study Abroad
  - Year 4 of LM1H Economics, Politics & International Studies with Study Abroad
  - Year 4 of L114 Industrial Economics with Study in Europe
- UECA-LM1D Undergraduate Economics, Politics and International Studies
  - Year 3 of LM1D Economics, Politics and International Studies
  - Year 3 of LM1D Economics, Politics and International Studies
- UPHA-L1CA Undergraduate Economics, Psychology and Philosophy
  - Year 3 of L1CA Economics, Psychology and Philosophy
  - Year 3 of L1CC Economics, Psychology and Philosophy (Behavioural Economics Pathway)
  - Year 3 of L1CD Economics, Psychology and Philosophy (Economics with Philosophy Pathway)
  - Year 3 of L1CE Economics, Psychology and Philosophy (Philosophy and Psychology Pathway)

- UPHA-L1CB Undergraduate Economics, Psychology and Philosophy (with Intercalated Year)
  - Year 4 of L1CG Economics, Psychology and Philosophy (Behavioural Economics Pathway) (with Intercalated Year)
  - Year 4 of L1CH Economics, Psychology and Philosophy (Economics with Philosophy Pathway) (with Intercalated Year)
  - Year 4 of L1CJ Economics, Psychology and Philosophy (Philosophy and Psychology Pathway) (with Intercalated Year)
  - Year 4 of L1CB Economics, Psychology and Philosophy (with Intercalated Year)
  - Year 4 of L1CB Economics, Psychology and Philosophy (with Intercalated Year)
- Year 3 of UIBA-MN31 Undergraduate Law and Business Studies
- UIBA-MN32 Undergraduate Law and Business Studies
  - Year 3 of MN32 Law and Business Studies (Four-Year)
  - Year 4 of MN32 Law and Business Studies (Four-Year)
- Year 5 of UIBA-MN37 Undergraduate Law and Business Studies (Qualifying Degree) with Intercalated Year
- UIBA-MN35 Undergraduate Law and Business Studies with Intercalated Year (3+1)
  - Year 3 of MN35 Law and Business Studies with Intercalated Year (3+1)
  - Year 4 of MN35 Law and Business Studies with Intercalated Year (3+1)
- Year 5 of UIBA-MN36 Undergraduate Law and Business Studies with Intercalated Year (4+1)
- USTA-G300 Undergraduate Master of Mathematics, Operational Research, Statistics and Economics
  - Year 3 of G300 Mathematics, Operational Research, Statistics and Economics
  - Year 4 of G300 Mathematics, Operational Research, Statistics and Economics
- Year 3 of UMAA-GL11 Undergraduate Mathematics and Economics
- Year 4 of UECA-GL12 Undergraduate Mathematics and Economics (with Intercalated Year)

This module is Unusual option for:

- UPHA-L1CA Undergraduate Economics, Psychology and Philosophy
  - Year 2 of L1CA Economics, Psychology and Philosophy
  - Year 3 of L1CA Economics, Psychology and Philosophy
- UPHA-V7ML Undergraduate Philosophy, Politics and Economics
  - Year 3 of V7ML Philosophy, Politics and Economics (Tripartite)
  - Year 3 of V7ML Philosophy, Politics and Economics (Tripartite)
  - Year 3 of V7ML Philosophy, Politics and Economics (Tripartite)

This module is Option list A for:

- Year 4 of USTA-G300 Undergraduate Master of Mathematics, Operational Research, Statistics and Economics
- Year 5 of USTA-G301 Undergraduate Master of Mathematics, Operational Research, Statistics and Economics (with Intercalated)

This module is Option list G for:

- UPHA-V7ML Undergraduate Philosophy, Politics and Economics

- Year 2 of V7ML Philosophy, Politics and Economics (Tripartite)
- Year 2 of V7ML Philosophy, Politics and Economics (Tripartite)
- Year 2 of V7ML Philosophy, Politics and Economics (Tripartite)