SCHOOL OF ACCOUNTING AND FINANCE

FIN 922 CAPITAL INVESTMENT

Autumn 2006 Wollongong Campus

6 Credit Points

Subject Coordinator

Robert Wixted  School of Accounting & Finance

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Subject Details

Description
The outcomes of most investments and financial decisions depend on circumstances which cannot be predicted with certainty. This course is about the tools and logical frameworks with which decision makers choose their investments in a world characterised by uncertainty (risk). Emphasis is on investment in financial assets (e.g. shares, bonds, options and futures) rather than real assets (e.g. machines, mines, property). Particular subjects covered include portfolio choice, allocations of investments between risky and riskless assets, the term structure of interest rates, asset pricing models, option pricing and hedging with options and other derivatives.

Objectives
At the completion of this subject you should be able to:
1. Understand the range of financial securities and the markets in which they trade.
2. Identify risk and return scenarios and the formation of optimal portfolios.
3. Develop an understanding of CAPM, the centrepiece of modern financial analysis.
4. Analyse the fixed interest rate and equity markets from a hedging perspective.
5. Explore the various derivatives markets.

Method of Delivery
This subject is delivered in a combination of lecture, tutorial, and additional print material, coupled together with a hard copy textbook. In addition, some cd material, included in the textbook, may be incorporated into the course which may assist student learning, subject to copyright issues.

Web CT
A site is currently under construction where students may access the subject outlines, lecture material, limited tutorial solutions, and assignment material. Lecture and tutorial solutions will not automatically be posted to this site, and students should be aware that although solutions to tutorial material is discussed in class and, at times, in lectures, there is no automatic mechanism where students can enjoy unfettered access to the class solution material. It is the students’ responsibility, therefore, to ensure that material is attempted each week and questions answered in the relevant weeks where the material is given.

Study Time
This is a rigorous and substantive class, and as the class progresses, concepts covered in earlier material are assumed knowledge for later more difficult and complex decisions. Students should be aware that the University of Wollongong considers that
for every credit point assigned to a subject, a minimum of 2 hours each week should be set aside by the student for careful study. As FIN 922 is a 6 credit point subject, students should devote at least 12 hours each week to this subject, including class times. Some students may require more time to grasp the material in any given week. Students are warned that this class is not one where an apathetic or lethargic attitude can be entertained in the first weeks and then devotion and “cramming” manifest in the later part of the course. The material is difficult and should be carefully studied from the first week of class to the final examination, and hopefully, carried into professional life.

Lectures and Tutorials

Seminar Tuesday 2:30 – 4:30 Room 67.302

Assigned Textbook


Recommended Texts

Investment Analysis contains some material that is very topical. Developments occur regularly in the financial system and these are reported in the financial press, which you should read on a regular basis. The Friday Australian Financial Review and Business Review Weekly are especially recommended. Many financial institutions also publish their own journals on the financial sector and the economy (e.g. Westpac Review, Commonwealth Bank of Australia Economic Newsletter) which are worth looking at from time to time.

Subject Coordinator

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Consultation Times

TBA

Student Administration

Telephone: 612 4221 5301
Fax: 612 4221 4322
Email: studeng@uow.edu.au
Student Online Services: http://www.uow.edu.au/student/sols
Students are free to purchase books anywhere they wish, but the proper texts have been ordered by the Unishop to accommodate the numbers in this class, given past experience with student numbers. If additional texts are needed, they will be promptly ordered from the publisher.

Assessment Guidelines

General Criteria

There will be three assessments (besides class participation) in total comprising 100 marks in this class. The amount of marks available in each assessment task is as follows:

- Midterm examination: 30%
- Company analysis: 20%
- Final examination: 50%

Students will receive more information prior to the end of week two of the course regarding the assessment analysis. Students should be aware of the following very important guidelines.

Students are prohibited from making use of any written work produced by any student at the University of Wollongong, past or present, in any assignment in this subject, including assigned weekly text problems.

Students must achieve a satisfactory result (at least 45%) in every assessment task and, must achieve a clear “pass” in the final examination in order to pass this subject. This assessment criterion will be rigidly enforced.

Although the emphasis in any assessment in this subject lies upon the substantive issues, a manifestly inadequate form or format may also result in loss of marks in any assessment. Students should, therefore, think carefully about the presentation of any
assessent task. Marks may be scaled in any assessment in this subject at the subject coordinator’s discretion.

Students should be made clearly aware that all classes in this subject are compulsory. **Examinable material is presented during class times, which may not be given in any other format, or at any other time.** The policy of the University of Wollongong requires that no marks may be awarded for attendance nor is attendance to be used for the calculation of any assessment.

Where a student’s marks fall at the border between gradients, the manifest effort and participation in the classes throughout the duration of the subject may be taken into account in the scaling or modification of any student’s marks.

**Performance grades**

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<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>High Distinction</td>
<td>85% or higher</td>
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<tr>
<td>Distinction</td>
<td>75%-84%</td>
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<tr>
<td>Credit</td>
<td>65%-74%</td>
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<tr>
<td>Pass</td>
<td>50%-64%</td>
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<tr>
<td>Fail</td>
<td>0-49%</td>
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At present information it is understood that pass conceded is not available in this subject.

**Special Consideration**

Students who, through serious illness or circumstances beyond their control are unable to attend a tutorial, examination, or submit an assessment task in a timely manner are required to submit proper medical documentation, as soon as the problem becomes known, to the University of Wollongong Administration. The hard copy of any supporting documentation must be presented to Administration using the proper form, but students can submit the initial application through the SOLS system online at [http://www.uow.edu.au/student/](http://www.uow.edu.au/student/).

Students should be made clearly aware that they have an obligation to communicate to the subject coordinator or their tutor as soon as a problem is foreseeable. Students who submit requests for special consideration at, or after, the due date for an assessment or examination are normally scrutinized very carefully to ascertain the legitimate underlying validity of their request. Special consideration is not automatically extended to the student except in very exceptional cases.

**Supplementary examinations**

Supplementary examinations are not automatically extended to students upon request for special consideration. In rare cases where a supplementary exam is awarded,
however, the student(s) will be required to take the examination on a date usually set within three (3) weeks of the end of the examination period, or within three weeks of the date of the midterm examination. No other provision is made for supplementary examination and if the student is not able to attend the supplementary examination, a “fail” grade is normally recorded in the absence of extraordinary circumstances or submission of proper medical documentation. Students will be notified prior to the examination, usually by email, and it is the student’s responsibility to ensure their proper addresses both email and postal, are correctly recorded on the University records.

Full details of the University’s policy regarding special consideration are available on the University’s website. Students should familiarise themselves with these policies at: [http://www.uow.edu.au/handbook/courserules/specialconsideration.html](http://www.uow.edu.au/handbook/courserules/specialconsideration.html).

**Disability Policy**

Any student who suffers with a disability requiring reasonable accommodation in this subject are strongly advised to discuss the matter with the tutor and/or subject coordinator at the earliest possible convenience. In addition, the student should contact the Faculty Disability Advisor or the Disability Liaison Officer, and register with the University of Wollongong’s Disabilities Unit. More details can be found on the web at [http://www.uow.edu.au/student/services/disabl.html](http://www.uow.edu.au/student/services/disabl.html).

**Non Discriminatory Language**

The University of Wollongong endorses a policy of non-discriminatory language practice and presentation in all academic and administrative activities. The policy is available at [http://www.uow.edu.au/eeo/nondiscrimlanguage.html](http://www.uow.edu.au/eeo/nondiscrimlanguage.html).

**Receipt of Assessment Tasks**

It is the student’s responsibility to ensure that a signed receipt, or other acknowledgment, is issued in regard to the submission of any assessment task.

**Midterm Examination**

The midterm examination is a 2 hour examination which contains multiple choice and “short-answer” questions, some of which are purely mathematically based, comprising 30% of the marks available in this subject.

Students should be aware that a dismal failure in the midterm examination will normally preclude further participation in this subject, for the student will be deemed to have failed to achieve a satisfactory result on an assessment task and will, therefore, fail this subject. In addition, due to the class participation component in this
subject, manifestly inadequate preparation in the weekly questions may lead to a failure in this subject.

The midterm exam will be given in week 8, subject to the availability of a suitable venue. The class may be divided for convenience and more information will be given in the weeks prior to the exam. The examination is closed book and will cover the material presented in the first eight chapters of the text, plus any additional material which is handed out during the term in the first eight weeks.

**Final Examination**

The final examination is worth 50% of the marks available in this subject. All aspects of the topics in this subject are examinable, but an emphasis may be placed upon the second section of the class material. The exam will last 3 hours and 15 minutes and is “closed book”. The final examination is a discriminatory examination in that it discriminates quite heavily against those students who are not thoroughly familiar with the material of the subject, and discriminates quite heavily in favour of those students who are thoroughly familiar with all aspects of the subject topics. It will be heavily weighted toward mathematical aspects of the subject, at the discretion of the subject coordinator. More information will be given to students as time progresses toward this examination, so that students are clearly aware of the expectations placed upon them. The University of Wollongong schedules the examination during the examination period at the end of the semester.

**Submission Requirements**

All assignments are to be placed in the box provided for this purpose, which will be displayed outside the office area of the School of Accounting and Finance in building 40, 3rd floor. If instructed during the class to submit directly to your course coordinator, then this is to be done. Otherwise, no other place of submission is acceptable.

Students should be clearly aware that under no circumstances is an assignment to be faxed to the School to avoid late penalties. Faxed assignments will not be accepted. If an assignment is to be posted to the School of Accounting and Finance, it must be postmarked clearly and the date of the postmark will be deemed to be the date of submission.

No assignment will be accepted if emailed to any tutor, lecturer, course coordinator, or the School of Accounting and Finance.

All assignments must have a School of Accounting and Finance cover sheet providing the course number, code, the name and student number of the student, the due date of the submission, the course coordinator and, if applicable, the tutor and tutorial time of the student submitting the assessment task.
Format of Submissions
All pages of the assignment must be numbered with a maximum of 15 mm margin on both the left and right sides and 30 mm top and bottom margins. 1 ½ or 2 line spacing is permissible, but any wider spacing will be penalized, as well as excessive margins to inflate the impression of the length of the work. The School of Accounting and Finance cover sheet is available on the web, at the following: http://www.uow.edu.au/commerce/accy/resources/index.html.

More information will be provided to students as the submission date draws nearer.

Acknowledgment/Plagiarism
Plagiarism is not acceptable and will certainly result in the imposition of severe penalties. The University of Wollongong provides clear guidelines regarding the practice of plagiarism and how it can be avoided. Students are directed to the University of Wollongong handbook, located on the web at: http://www.uow.edu.au/handbook/courserules/plagiarism.html

Students are reminded that there is a prohibition in this subject regarding the use of any work produced by another student, past or present, in the generation of any assessment task, including tutorial material. Any student found violating this prohibition will be severely penalized and a submission and report will be handed to the Faculty Investigation Committee to be permanently bonded to the student’s records. This constitutes academic misconduct and students have been expelled from this University for academic misconduct. In addition, the students should be aware that Professional bodies take a very dim view of those who practice dishonesty and many persons have been refused admission to the professional bodies on the basis of dishonest conduct. Honesty and integrity should be the foremost hallmark character attribute of any professional. Academic misconduct, therefore, is viewed as a loathsome practice.

Other examples of academic misconduct include, but are not limited to:
- Students improperly gaining knowledge of an assessment task or examination and using that knowledge in the assessment task or examination;
- Students forging the name of another student on a class role or other document;
- Students having work prepared for them, for remuneration or otherwise, and submitting that work as their own.

Extensions
Extensions are almost never granted, except in very unique circumstances. If, however, a student encounters circumstances beyond the student’s control which interferes with the ability to complete an assessment task and submit in a timely
manner, the student should make the matter known to the subject coordinator as soon as it arises and seek an extension prior to the assessment task’s due date. No extension will be granted on or after the due date of an assignment without proper submission of acceptable medical documentation. Please be clearly aware that assigned work in other classes, employment related issues (other than a medically documented injury), and computer failure of any kind (including lost or corrupted disks, hard drive failure, USB drive failure or other hardware or software fault or failure) are not considered to be circumstances “beyond the student’s control”.

Late Penalties

A penalty will be applied to any assignment not submitted on or prior to the due date of 10% for every day, or part thereof, that the assignment is late. This also includes the weekends, so if an assignment is due on Friday, but is handed in on Monday, the penalty will be 30% of the marks available for that assignment. As the assignment in this subject is worth 20 marks, if it is submitted 3 days late, the student will be penalised 6 points. If the student would have received, say, 14 points out of the possible 20 on the assignment, this means that they will receive only 8 points (14 – 6 = 8). Any assignment submitted 7 days late or more will be penalised so heavily that the student will be deemed, in the absence of acceptable medical documentation or permission from the course coordinator, to have failed the subject.

Readings and Questions

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<thead>
<tr>
<th>Lecture</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>Introduction Ch 1-3</td>
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<td>2</td>
<td>Risk and risk aversion Ch. 6 + 7</td>
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<td>3</td>
<td>Optimal risky portfolios Ch 8</td>
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<td>4</td>
<td>CAPM and market efficiency Ch 9 + 12</td>
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<td>5</td>
<td>Bond pricing and yields Ch 14</td>
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<td>6</td>
<td>Term structure of interest rates Ch 15 + 16</td>
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<td>7</td>
<td>Mid-Session Examination</td>
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<td>8</td>
<td>Equity valuation Ch 18</td>
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<td>9</td>
<td>Options ch. 20</td>
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<td>10</td>
<td>Options ch 21</td>
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<td>Futures ch 22</td>
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<td>12</td>
<td>Swaps ch 23</td>
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<td>13</td>
<td>Risk Management</td>
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Case Study
20% of total assessment

As a consultant, you are required to prepare an executive-style report, which is to be prepared in a manner consistent with what is expected in the real world by a typical Board of Directors. Your report will be presented using the following format.

1. **Report Title Page (0 marks – this is naturally expected)**
   This is a distinctive title page prepared by your team.

2. **Executive Summary or Synopsis (maximum 200 words)**
   This will summarise your whole report.

3. **Introduction (maximum 300 words)**
   This section sets the scene for how and why this report is being prepared. This identifies key issues, and the scope of your study.

4. **Financial analysis (maximum 1500 words)**
   You will choose any two (2) publicly listed (that is, listed on any recognised Stock Exchange) companies that belong in the same industry (for example ANZ Bank and Westpac Bank belong to the banking industry) and prepare an analysis over the last three (3) years. The primary source material should be the companies’ annual reports, but the case study also has to refer to analysts’ published views and/or ratings agencies such as Standard & Poors (S&P) or Moodys.
   You have to decide which of the two (2) companies you would prefer to add as an investment to their portfolio. You may use any tools of analysis you wish, though you are required to fully justify your decision. The highest marks will be awarded to those who directly relate the subject theory to this real life application. Do not include working out or calculations in this section of the report, just the final required solutions and explanations. In some cases, diagrams, tables and charts may be useful to convey information in a structured format.

5. **Conclusions and recommendations (maximum 500 words)**
   This is where you conclude your case study and give supporting recommendations about each company’s future prospects. In addition, here you will offer any general or specific financial solutions you have discovered that will help fix the current financial problems and prevent future financial problems. Furthermore, you will give advice as to how you believe each company will best “add value” to itself in the near future.

6. **Bibliography/References**
   This is where you give credit for using any information or concept which is not your own in this case study, including financial papers, textbook references, media press or web site information, and any other assisting information source.

7. **Appendix** Show all your working out and calculations here.