



College of Business and Economics

mail **School of Finance, Actuarial Studies and Applied Statistics**
ANU College of Business and Economics
CBE Building 26C
The Australian National University ACT 0200 Australia

fax **School Office**
(02) 6125 0087

College Reception
International: +61 2 6125 0744
Local: (02) 6125 0744

tel **School Office**
(02) 6125 0487

College Reception
International: +61 2 6125 3807
Local: 1300 732 120 (local call cost only)

email info.cbe@anu.edu.au

office School: Level 4, CBE Building 26C
College Office: Level 2, CBE Building 26C
[refer to the ANU Campus Map](#) (Located in [map GH32](#) at grid reference G3)

Course Outline

STAT3011/STAT7026 Graphical Data Analysis

Semester 2, 2011

Course description:

This course introduces the principles of data representation, summarisation and presentation with particular emphasis on the use of graphics. The course will use the S-Plus Language in a modern computing environment. Topics to be discussed include: Data representation; examples of good and bad graphics; principles of graphic construction; some pitfalls to be avoided; presentation graphics. Graphics environments; interactive graphics; windows; linked windows; graphics objects. Statistical graphics; stem and leaf plots, box plots, histograms; smoothing histograms; quantile-quantile plots; representing multivariate data; scatterplots; clustering; stars and faces; dynamic graphics including data rotation and brushing. Relationships between variables; smoothing scatterplots; simple regression; modelling and diagnostic plots; exploring surfaces; contour plots and perspective plots; multiple regression; relationships in time and space; time series modelling and diagnostic plots.

Contacts

	Office address	Email	Consultation times
Course convener and lecturer (Course Authority) Professor Michael Martin	Room 4.01 CBE Building 26C	Michael.Martin@anu.edu.au	By appointment. Please send an e-mail to arrange. Telephone: 6125-4852.
School Student Administrator Tracy Skinner	Level 4, CBE Building 26C	tracy.skinner@anu.edu.au	NA

Communication with students

Email If necessary, the lecturers and tutors for this course will contact students electronically using their official ANU student email address.

Announcements

Students are expected to check the Wattle site for announcements about this course, e.g. changes to timetables or notifications of cancellations. Notifications of emergency cancellations of lectures or tutorials will be posted on the door to the relevant room.

***Course details change from semester to semester.
Please check that you are reading the correct Course Outline.***

Course information

Suggested study schedule, including attendance requirements, lecture schedule and tutorial questions

Week beginning	Theme / Topic / Module	Activity	Required student preparation (Chapter from Lecture Notes)	Assessment deadlines and Tutorials (not assessed)
25 July 2011	Introduction and getting to know S-Plus	Lectures	Chapter 1, S-Plus Workshop	Tutorial 1
1 August 2011	S-Plus, Graphics in S-Plus	Lectures	Chapter 1	
8 August 2011	Representing and comparing distributions	Lectures	Chapter 2	Tutorial 2
15 August 2011	Representing and comparing distributions	Lectures	Chapter 2	Tutorial 3
22 August 2011	Relationships between 2 variables	Lectures	Chapter 3	Tutorial 4
29 August 2011	Relationships between 2 variables	Lectures	Chapter 3	Assignment 1 due
5 September 2011	Relationships between 3 and more variables	Lectures	Chapter 4	
26 September 2011	Relationships between 3 and more variables	Lectures	Chapter 4	Tutorial 5
4 October 2011	Relationships between 3 and more variables	Lectures	Chapter 4	
11 October 2011	Relationships between 3 and more variables/Time dependent data	Lectures	Chapter 4/ Chapter 5	Tutorial 6
17 October 2011	Time Series and Dependent data	Lectures	Chapter 5	Tutorial 7
24 October 2011	Time series and dependent data	Lectures	Chapter 5	Tutorial 8
31 October 2011	Graphical Construction	Lectures	Chapter 6	Assignment 2 and Project due

Tutorial registration

There are **no** formal tutorials in computer laboratories. Roughly once a fortnight, starting in roughly week 3, there will be full-class tutorials held during the one of the weekly lecture times. The format of these tutorials will be for me to demonstrate the solutions to tutorial problems. It is essential that you attempt tutorial problems by yourself in the computer laboratory before coming to these classes. Remember, S-Plus is a computer language that you will have to learn for yourself, and it is definitely not a spectator sport. If you just watch me present solutions without attempting them yourself you will find the assignments extremely difficult or even impossible! Solutions to tutorial problems will be made available online from the class web page.

Course URLs

More information about this course may be found on

- Study@ANU
- the College of Business and Economics website at <http://cbe.anu.edu.au>
- Wattle, the University's Learning Management System at <http://wattle.anu.edu.au/>

Learning outcomes

On completion of this course students should have an understanding of and be able to apply the techniques outlined in the course description: to understand and apply the principles of data representation, summarisation and presentation with particular emphasis on the use of graphics. Individual topic areas are listed in the course description. The learning outcomes are open-ended in the sense that students are expected to develop the skills to analyse data without necessarily being told beforehand what tools of analysis will be needed during the analysis.

Proposed assessment overview

Details about assessment may change during the first two weeks of semester. Please ensure that you check whether there have been changes with your lecturer. Changes to the assessment requirements will be posted on the course Wattle site. Assignments and specific instructions are available from Wattle on the dates specified.

Assessment item	Description and detail of the assignment	Specific requirements	Due date	Weighting (%)
Assignment 1	Representing and comparing distributions	Analyse provided data and report	1 September 2011	20%
Assignment 2	Time series and dependent data	Analyse provided data and report	3 November 2011	20%
Project	Graphical Data Analysis – open-ended	Part A: Graphical Awareness Part B: Data Analysis	3 November 2011	60%

There is no midsemester or final examination. As a result, it is imperative that you work hard on your assignments and that you do not leave starting your project too late. **It is also important that you discuss your work on your project with no-one, not even the family pet (dogs can be surprisingly helpful if you are nice to them; cats less so)!!**

Due dates for assessment given here are provisional at this stage, but are expected to be close to the final due dates. Firm due dates will be advised at the top of the assignments when they are made available, and due dates stated on assignments take precedence over those advertised here.

Important note regarding assessment: Your final mark for the course will be *based* on the above formula. However, your mark **may not** be the same number as produced by that formula, as scaling of marks may be necessary to obtain an appropriate distribution of grades. The scaling applied will preserve the order of marks (i.e. if your raw mark exceeds that of another student, then your scaled mark will exceed the scaled mark of that student), and may be either up or down.

Relationship between learning outcomes and assessment

	Tutorials	Assignments	Project
Course Learning Outcomes On satisfying the requirements for this course, students will have the knowledge and skills to:			
Working knowledge of S-Plus statistical computing language, particularly graphical capabilities	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Represent and compare distributions of data	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Summarise and analyse relationships between a response variable and a covariate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Summarise and analyse relationships between a response variable and several covariate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Summarise and analyse time-dependent data using basic time series models	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Effectively communicate statistical analyses graphically, numerically and in written reports	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**Assignment details
and information about
marking**

The assessment for STAT3011 will have two components, apportioned as follows: 40% of your grade will come from two assignments spaced through the semester; and 60% of your grade will come from a project (details below) due on the last day of classes. There is no formal written exam, and no practical exam.

Two Rules:

- I. Collaboration on assessable work is **forbidden**. Collaboration means talking (or any other form of communication) with someone else about the assignments or project. It is also forbidden for you to copy work from any other source. The idea is pretty simple: do the assignment by yourself. All the work you hand in for assessment must come from you alone. Anybody caught violating this rule will receive a zero score. You have been warned!
- II. Rule I again. I **really** mean it.

Because there is no formal examination in this course, it is particularly important that you do not collaborate on the assignments and projects. You are not permitted to discuss the work on the project with anybody else!! You may ask me questions about the assignments and the projects, but I will only answer questions that I feel are appropriate (that is, I will not answer questions that show you how to proceed - think of the assessment as you would an exam: I can clarify certain things, but I am unable to help you substantively). By the way, if you do collaborate on assignments and projects it is usually a lot more obvious than you think it is... and it is better to get something slightly wrong and lose a few points than to copy something completely right, learn nothing, and have me give you no points because I caught you cheating. By the way, it's bad karma as well...

THE PROJECT

The project is a vital part of the course. The purpose of the project is to (1) encourage you to be more aware and to examine graphics more critically; and (2) enable you to put the principles and methods of graphical data analysis to work on a substantial problem. The project is intended to be a piece of independent work that is carried out essentially without assistance. The project consists of two parts, both of which are compulsory.

- I. **Graphic Awareness.** A collection of three statistical graphics with written comments on each graphic. These graphics should be collected during the semester from published work. You may not draw your own graphics or ask a friend (or anybody, for that matter) to do so for you. Credit will be given for interesting, carefully chosen graphics which show evidence of reasonable wide searching. In addition to including a copy of the graphic itself, you should document the source of the graphic (title of article, authors, source including title, page numbers etc.) and discuss the graphic. Your discussion may include the reason for the graphic, strengths and weaknesses, etc, and may include redrawn, improved versions of the graphic. The discussion should be brief, relevant and insightful, not longwinded. Students enrolled in the graduate version of the course, STAT7026 must hand in five such graphics with comments.
- II. **Graphical Analysis.** A few weeks into the course, I will provide a short list of data sets and some documentation for them. You must choose one of these data sets, analyse it, and prepare for submission a concise, well-organized report on your analysis. Your analysis must be appropriate and it must be substantially (though not necessarily exclusively) graphical. Your report should begin with a clear statement of the problem you are addressing and the context in which it arises. You should describe what you have done and why. Relevant graphics and/or output should be included in the report, and all such results should be discussed and interpreted in the text. The entire report must be shorter than 8 pages including graphics and data (any page after the 8th will be ignored), and the written part should not be longer than 4 to 5 pages. Attempts to defy the spirit of the page limit by using unreadable typefaces and so on will be noticed, so please don't do it.

Assignment submission	Assignments are to be submitted on the due date by dropping completed assignments in the marked boxes outside the School of Finance, Actuarial Studies and Applied Statistics main office.
Information about examinations	There are no examinations in this course.
Workload	<p>Students taking this course are expected to commit at least 10 hours a week to completing the work.</p> <p>This will include:</p> <ul style="list-style-type: none"> • 3 hours a week: lecture • 7 hours a week: reading, research, writing and assignment preparation <p>There are no formal tutorials in computer laboratories. Roughly once a fortnight, starting in roughly week 3 or 4, there will be full-class tutorials held during the one of the weekly lecture times. The format of these tutorials will be for me to demonstrate the solutions to tutorial problems. It is essential that you attempt tutorial problems by yourself in the computer laboratory before coming to these classes. Remember, S-Plus is a computer language that you will have to learn for yourself, and it is definitely not a spectator sport. If you just watch me present solutions without attempting them yourself you will find the assignments extremely difficult or even impossible! Solutions to tutorial problems will be made available online from the class web page.</p>
Course delivery	Lectures
Prescribed texts/class materials	<p>Printed Lecture Notes (available on Wattle)</p> <p>Class materials, including detailed lecture notes, class lecture demonstrations, tutorials, assignments and other relevant materials, will be made available on the class web page hosted on Wattle at http://wattle.anu.edu.au. To log on to Wattle, you need to have an ANU ID (your student number) and a password (the same as for obtaining your e-mail). In order to access the class web page within Wattle, you will need to be formally enrolled in the course or you will need to have arranged access with me (e.g. if you are an Honours student). The class web page will be updated with new information on a regular basis, and will also contain links to other places of interest (such as an S-Plus workshop initially). It is essential that you visit the class web page regularly.</p>
Reference materials	<p>STAT3011 makes extensive use of the S-Plus statistical programming language. Learning S-Plus can be a daunting task, but S-Plus's built-in help features are excellent. From within S-Plus, under the help menu are available some excellent, printable guides. The guides are in PDF format, and are designed to be read comfortably on-screen. They can be printed as well, but be warned that they are lengthy documents.</p>

Technology, software or other apparatus required for the course	<p>S-Plus (available to students to download from Wattle)</p> <p>The course makes extensive use of the S-Plus 7 or 8 for Windows computing package. PC labs are located at many places around campus: for an exhaustive list, visit http://infocommons.anu.edu.au/labs.asp</p> <p>Students should be able to use their student cards to access these computing laboratories and should have a computer account automatically set up for them upon registration for this course. If you have not registered for the course, your card will not allow you access to the lab. To get started with the computing requirements for the course, students should make sure that they read the document "Introductory S-PlusWorksheet 1: PC familiarity" (linked to from the S-Plus workshop page, a link to which appears on the class home page). This document describes how you can log in to the PC's. This document will also tell you how you can obtain or view other documents that you will find useful to learn about the computing setup for the course.</p> <p>After this initial handout, all handouts will be available only through the class web page at http://wattle.anu.edu.au</p> <p>From the web page, you will be able to print out all of the lecture notes, all of the computer code used in the class, and all the tutorials and solutions. No handouts will be made available except on the class web page. A number of data sets will be analysed during lectures, live using S-Plus as much as possible. To assist you in understanding the data analyses, the S-Plus code used to produce displays discussed in class will be made available to you on the class web page. You are free to use and modify this code in conducting your own analyses.</p>
Recommended reading / Course reading list / Supplementary reading	Any supplemental reading will be made available through Wattle
Requisites, including assumed knowledge, required skills, and recommended courses	STAT1008 Quantitative Research Methods or STAT1003 Statistical Techniques or STAT2001 Introductory Mathematical Statistics
Co-teaching	N/A
Timetable	Please see http://timetable.anu.edu.au for the latest timetabling information. There is a timetable link on Wattle.

What it's all about...

In STAT3011, we will make extensive use of the statistical programming language S-Plus. Mastering S-Plus is a difficult and time-consuming task. To facilitate your learning of S-Plus, several learning aids will be made available to you in the initial weeks of the semester, through a set of worksheets designed to get you going in S-Plus. This S-Plus Workshop is available from the class web page. **You are expected to become familiar with S-Plus through attempting the workshop material as early in the semester as possible.** The bottom line is that you will have to work hard to get a grasp of this new programming language. Of course, many of you will have encountered S-Plus before in other Statistics classes, such as Regression Modelling and Generalised Linear Models; for those of you covered by this description all that should be necessary is a brief revision of the main ideas.

It is important that you visit the S-Plus Workshop link and complete at least Worksheets 1 and 2 so that you are familiar with the process of logging in to the PC's in the labs, and to get you started learning S-Plus.

OK, now you're logged on...

How well you get to know S-Plus is largely up to you! First, you shouldn't feel intimidated by this new package: it will feel a little strange at first, especially if you're used to menu-based packages like JMP or Minitab. However, we have made materials available that will help you to learn S-Plus. **It is extremely important that you go through these worksheets as much as you can - the best (possibly the only) way to become familiar with a program like S-Plus is to USE it. If you do not do this in the first couple of weeks of the semester, you will experience extreme discomfort in this course, and, in all probability, failure will result! I am not kidding.** There are four worksheets for you to work through: Worksheet 1 gives an overview of using the PC facilities. Many students will already be familiar with these facilities from using e-mail and from other classes.

Worksheet 2 begins a look at data structures in S-Plus and also at many rudimentary S-Plus commands. Much of the material included in worksheet 2 will have been covered in the introductory S-Plus lectures given during week 1 and the first part of week 2. This is probably the most important worksheet for you to understand. Worksheet 3 takes a closer look at some graphical and advanced features of S-Plus. Worksheet 4 is an exercise for you to attempt after the tutorials in week 2. It is not an assignment, but it is useful if you attempt it to make sure you understand the contents of the other worksheets.

Tutorials and solutions will be offered in text format for easy onscreen reading. Finally, the provision of lecture notes and tutorials and their solutions online is done to help you understand and learn the material in this course. Please do not abuse this kindness by not attending class and by not bothering to attempt the tutorials by yourself. If you attempt the former abuse, I shall cease making the materials available online, and this will hurt both you and your classmates. If you attempt the latter abuse, I won't have to punish you in any formal sense because you will have already doomed yourself to the embarrassment of failing the course when you find you can't do the assignments and the project. Remember the words of your parent, guardian, or parole officer: play nice or you won't get any dessert.

ANU College of Business & Economics – General Information for Enrolled Students

The following College offices provide assistance with program and course selection, enrolment, change of program, variation to enrolment, status and other general matters.

College Office

The College Office is located on Level 2 of CBE Building 26c, contact details are: phone (61) 02 6125 3807; Email info.cbe@anu.edu.au or via the web: <http://www.cbe.anu.edu.au/>.

Main Administrative Dates 2011

The main administrative dates regarding teaching sessions, course census dates, examination period, graduation and enrolment variations (ie add and drop courses) are available from the ANU SEAP Guide 2011 - http://www.anu.edu.au/sas/SEAP_guide/

Associate Dean (Education)

Associate Professor Alex Clarke is the Deputy Dean/Associate Dean (Education) in the ANU College of Business & Economics.

ANU Student Support Academic Skills and Learning Centre

The Academic Skills and Learning Centre, in the Pauline Griffin Building, offers services to students regarding a range of academic issues including essay writing, note-taking, referencing, reading, examination preparation, and plagiarism. More information about the services and on-line materials can be found on their website: <http://www.anu.edu.au/academicsskills/>.

ANU College - <http://www.anucollege.com.au/>

ANU College offers the following introductory and extended programs:

- maths bridging courses; and
- English language support for students from non-English-speaking backgrounds.

Information Literacy Program - <http://ilp.anu.edu.au/index.html>

Workshops are available to undergraduate and graduate students to develop skills in handling information and communication technologies.

ANU College of Business & Economics - Information for Enrolled Students - Policies, Procedures and Rules

Primary Reference - ANU SEAP Guide 2011 http://www.anu.edu.au/sas/SEAP_guide/

The Student Enrolment and Administrative Procedures Guide (SEAP) supplements the ANU Undergraduate Handbook information available on Study@ANU (<http://info.anu.edu.au/studyat/>), the ANU Rules (<http://www.anu.edu.au/cabs/rules/>), and the Graduate Research website (<http://www.anu.edu.au/graduate/>).

Information for Enrolled Students http://cbe.anu.edu.au/Current_Students/general_info/

Students are expected to be familiar with the ANU College of Business & Economics and university-wide policies and procedures in regard to:

- **Code of Practice for Student Academic Honesty**
- **Assessment Arrangements for Students from Language Backgrounds Other Than English**
- **Academic Progress Rules and Procedures**
- **Special examinations/consideration**
- **Supplementary examinations**
- **Review of assessment procedures**

Special Examinations

NOTE: You must contact the College Office for guidance on the procedure for special examinations. Do not approach your lecturer for this information.

Students who are unable to attend an examination for reasons outlined in the policies above, may **apply** to sit a special examination by lodging an application with the College Student Administration Office no later than 72 hours after the scheduled examination. It is important to emphasise that **travel arrangements and minor illnesses are not normally acceptable grounds for special examinations** (Section 2, College 'Special Examination Policy': http://cbe.anu.edu.au/Current_Students/general_info/specexam.asp).

Please note: Section 7.7 of the 'Student Enrolment and Procedures Guide 2009' states:

Students must make themselves available for the duration of the examination period in order to attend any special examination that may be required.

If you know in advance of circumstances whereby you will be unable to sit the examination, you should lodge an application for consideration as soon as possible.

The dates on which Special Examinations will be held will be published on the School website when the final timetable is published.

Applications for special examinations must be correctly completed with all original supporting documentation attached. Where an application is made on the grounds of sickness, Section B of the application **must be completed by a medical practitioner** and a detailed medical certificate stating the effect on your capacity to sit the examination is required.

Please Note: The medical certificate must carry the stamp from the medical practice, and will not always be sufficient evidence.

Special examinations are not **automatically** granted. Once approved, successful candidates are required to contact the relevant School General Office to obtain details of the special exam. If you do not sit the examination, or your application for a special examination is declined, then you will fail the course as incomplete. It is not grounds for a further special examination if students are not contactable and miss the scheduled examination date.

Special Consideration

If illness or other disruptive events have affected your preparation for, or performance during an examination, you can bring this to the attention of the examiners by making a request for special consideration using the Application for Special Consideration form.

Requests for special consideration must be lodged with the relevant School General Office before the scheduled date of the examination. However, if it relates to a problem that arose during the examination, it should be submitted immediately after the examination (see the invigilator).

Requests for special consideration must be accompanied by documentation of the illness and/or a letter setting out the reasons for the difficulties in studying for or sitting an examination. The examiners will take this into account in awarding the final grade.

Special Arrangements

If you have a disability or disorder (permanent or temporary) which makes undertaking a formal sit-down examination difficult, then **you are responsible for requesting special arrangements to be made for your examination**. In the past these arrangements have included the use of special equipment, additional time, writing breaks, a scribe (someone to write for you), etc.

Please contact the Examination Office early in the semester and at least 10 days prior to the examination period. Failure to make appropriate arrangements for an examination may result in a subsequent application for a special examination/consideration being declined.

Disabilities

If you have any queries about special arrangements with respect to disabilities, please refer to the Disabilities Officer. The ANU Disability Services Centre's website is <http://www.anu.edu.au/disabilities/>.

Supplementary Examinations

Under University policy Examinations Rules 2007, <http://www.anu.edu.au/cabs/rules/ExamsRules.pdf> you may be provided with a supplementary exam.

If you have qualified for a supplementary examination, your grade will be recorded as a PX on your Notification of Results. **You must notify the School Office, in writing (email is satisfactory), within 7 days of the official publication date of examination results to indicate your acceptance or otherwise to sit the supplementary examination.**

If you pass the supplementary examination you will receive the grade of PS (pass supplemental) and a mark of 50. If you are unsuccessful, or you decide not to sit the supplementary examination, your grade will be recorded as N (fail) and your original mark will stand.

Supplementary examinations will be held early in the next semester on dates to be advised. For information regarding the timing and venues for Supplem

entary examinations please refer to the school websites in week 2 of the current semester:

ABIS: <http://www.cbe.anu.edu.au/schools/abis/>
ECONOMICS: <http://www.cbe.anu.edu.au/schools/eco/>
FAS: <http://www.cbe.anu.edu.au/schools/fas/>
MMIB: <http://www.cbe.anu.edu.au/schools/mmib/>

Travel plans should be made accordingly as failure to do so is not an acceptable reason to miss a supplementary examination.

Results and Examinations

ANU Grading Codes - in accordance with the University Assessment Grades/Codes, the CBE applies the following scale when awarding grades:

Final Pass Grades

HD - High Distinction	80 –100
D – Distinction	70 –79
CR – Credit	60 -69
P–Pass	50 –59

PS – Pass at supplementary examination 50

Final Fail Grades

N–Fail	0-49
NCN – Not Completed/Fail	
WN – Withdrawn with failure	

Interim Codes (used when a result for a course has not yet been finalised)

DA – Deferred assessment
PX – Awarded supplementary assessment
RP – Result pending
WA – Withheld for administrative reasons

Scaling

Scaling can increase or decrease a mark but does not change the order of marks relative to the other students in the course. If it is decided that scaling is appropriate, then the final mark awarded in a course may differ from the aggregation of the raw marks of each assessment component.

Results Notification

To access results students should check their ISIS accounts on the advertised date for release of examination results. After publication students enquiring about results must provide an ANU student card as proof of identification. For privacy reasons students should not make enquiries regarding the results of other students.

Examination Timetable – Final Examination Period Details of the final examination timetable are available on the ANU Timetabling website (<http://timetable.anu.edu.au/default.asp>). The onus is upon students to acquire their own scheduling details.

Examination Timetable – Mid-Semester Examinations

When a mid-semester exam is scheduled, timetable information will be posted by the relevant School.

Misconduct

In relation to an examination, misconduct on the part of a student includes:

- cheating;
- plagiarism (including the reproducing in, or submitting for assessment for, any examination, by way of copying, paraphrasing or summarising, without acknowledgement and with the intention to deceive, any work of another person as the student's own work, with or without the knowledge or consent of that other person);
- submitting for an examination any work previously submitted for examination (except with the approval of the prescribed authority);
- failing to comply with the University's instructions to students at, or in relation to, an examination;
- acting, or assisting another person to act dishonestly, in or in connection with an examination;
- taking a prohibited document into an examination venue.
-

The administrative procedures regarding misconduct are incorporated in the ANU Discipline Rules – detailed here

<http://www.anu.edu.au/cabs/rules/DisciplineRules.pdf>

Plagiarism

The College regards plagiarism as any appropriation of the ideas or expressions of another without relevant and appropriate acknowledgment. This includes un-attributed appropriation of text or content and may extend to improper referencing. Plagiarism will not be tolerated in any course and all discovered instances would be pursued to the full extent allowable under the rules.

Where students have doubts as to how to deal with or acknowledge source materials in course assignments they should consult the lecturer or tutor.

The penalties and administrative procedures regarding plagiarism are incorporated in the ANU Policy on Academic Honesty – see here for details:

http://info.anu.edu.au/Policies/_DVC/Policies/Code_Practice_Student_Academic_Honesty.as p?tab=1.

On-line material discussing plagiarism and referencing styles is available from the Academic Skills and Learning Centre Web page (<http://www.anu.edu.au/academicskills/>).