The Sydney Summer School

Information Booklet
January February 2002

The University of Sydney
Sydney University
in the summer!

To make your studies in The Sydney Summer School just that little bit more special and a little bit more fun, staff at The Sydney Summer School suggest you supplement study with some friendly get togethers.

The Sydney Summer School BBQ
From 4pm on Tuesday 8 January in the forecourt of the Wentworth Building (see the map at the back of this book). Join Summer School Staff, your fellow students and teachers for The Sydney Summer School picnic. We provide the food, the drink and the music. You provide the laughter, the smiles and the appetite. After 6pm the Union will set up a paying bar and the band will play on for another hour.

From Friday 4 January — every day life at the Gatekeeper’s Lodge
The back garden at the Gatekeeper’s Lodge on City Road (home of The Sydney Summer School) will be open every day from 9am to 4.30pm. Wander in, read the papers and get something cool to drink — we’ll try to keep the fridge stocked. Chat to fellow students or just come and be quiet by yourself. Have your lunch in the shade. Teaching staff welcome too.

Every week — a visit to one of the University of Sydney Museums
The University of Sydney is home to major collections of art, antiquities and ethnography. Late afternoon visits will be scheduled to the various museums and galleries (possibly followed by light refreshments). Information will be available at the bulletin board at the Gatekeeper’s Lodge.

Thursday 14 February — St Valentine’s Day Chocolate and the last day of summer
Drop by the Gatekeeper’s Lodge on St Valentine’s Day and you will receive a free chocolate. From 4.30 pm join us for a chicken sandwich and a glass of champagne as we celebrate the end of the Summer School (for some it will be a break in the midst of exams). Please phone or drop around by Monday 11 February to let us know you are coming.

And more —
The University of Sydney Union will be offering Skills, Sport and Leisure Courses during the summer. Get information on these from the Gatekeeper’s Lodge or Activities Office in the Manning Building.
2 January to 19 February

The University of Sydney campus is a beautiful place to be in January and February. Students come to The Sydney Summer School from the University of Sydney and other universities in Australia and overseas, as well as those who have recently completed their HSC.

They tell us that there are three main reasons why they want to study in the summer. Most students want to accelerate their progress towards a certificate, diploma or degree. Some have completed their three-year degrees in just two years by studying at Summer School each year (see page 2). Other students want to broaden their education by taking units during the summer that don't fit their normal program. Still others want to catch up on units in which they were not successful. They all find that spending the summer months profitably can allow more free time for work or travel either during or at the end of their studies.

The Sydney Summer School has grown considerably over the past four years. Demand for the units of study has increased, as has the number and diversity of units offered. This year there are nearly one hundred units offered by 11 different faculties. Some units are offered on-line to suit people who have other commitments.

Because of the intensive nature of Summer School study, the class sizes are generally much smaller than during the autumn and spring semesters. This means strict quotas have been placed on classes and it is advisable to enrol early. (See "How to Enrol" on page 5).

This Information Booklet contains both the general rules under which The Sydney Summer School operates and information about how to apply to enrol. Please read the detailed information on units being offered in conjunction with the important 'General Information' at the front of the booklet. The Sydney Summer School staff will be available to assist you with any enrolment enquiries.

Along with the university staff responsible for organising and presenting The Sydney Summer School program, we look forward to welcoming you in person next January. In the meantime, please contact us if you have queries about the Summer School or need further information.
During the mid-semester break in July 2002 we will offer a small number of units as a pilot Winter School program. Please see our website in November 2001 for further details: www.summer.usyd.edu.au
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How to fast-track your degree with Summer School

By studying at Summer School every year, you could graduate one semester or even one year earlier. Below is an example of a standard three-year Bachelor of Commerce degree program and an accelerated two-year program with Summer School.

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<tr>
<td>IREL1002</td>
<td>ECON1002</td>
</tr>
</tbody>
</table>

| **YEAR 2** – 48 cps   | **Year 1** – 50 cps            |
| ECON2001             | ECON2001                      |
| ACCT2001             | ECMT1013                      |
| FINC2001             | ACCT1001                       |
| ECON2002             | CLAW1001                       |
| ACCT2002             | ECON2002                      |
| FINC2002             | ACCT1002                       |

| **YEAR 3** – 48 cps   | **Summer** – 16 cps            |
| ACCT3001             | ECON1001                      |
| FINC3001             | ECON1001                      |
| CLAW2001             |                                 |
| ACCT3002             |                                 |
| FINC3002             |                                 |
| ACCT3004             |                                 |

| **YEAR 2** – 56 cps   | **Year 2** – 56 cps            |
| ACCT3001             | ACCT2001                      |
| FINC2001             | ACCT2001                      |
| CLAW2001             |                                 |
| ACCT3002             |                                 |
| FINC2002             |                                 |
| ECON2002             |                                 |
| ACCT3004             |                                 |

| **Summer** – 16 cps  | **Graduate**                   |
| FINC3001             |                                 |
| FINC3002             |                                 |

Note: This is a BCom with majors in Finance and Accounting, with a degree total of 144 credit points. Students wishing to major in Finance with CPA accreditation in Accounting need to take specific units of study, with a degree total of 154 credit points. Actual units offered in Summer School may vary from year to year.
At The Sydney Summer School, you can accelerate towards completion of your degree, catch up on needed units of study, or undertake a unit that may not fit into your degree.

The Sydney Summer School's program of intensive study runs from 2 January to 19 February 2002 (including exam week).* Many faculties across the University are offering units of study at undergraduate level, and some postgraduate units from the Faculties of Architecture, Arts, Education and Rural Management are also available.

**Eligibility to enrol**

The Sydney Summer School is primarily directed towards currently or recently enrolled students at Sydney or other universities in Australia and overseas who are seeking a unit of study to count towards a tertiary award. Others with an appropriate educational background may also apply to enrol.

You may enrol in a unit of study if:

- you are currently enrolled or have recently been enrolled in an Australian or overseas university; or
- your educational qualifications would gain you admission into a degree program from the faculty offering the unit of study in which you want to enrol; and
- you have completed the listed prerequisites for that unit of study at the University of Sydney or another acceptable tertiary institution.

**Applying to enrol as an HSC graduate**

If you are completing your Higher School Certificate in 2001, you can study at Summer School to sample University life and a particular subject area before enrolling in a degree course, and get a head start on your degree so you have the option of graduating sooner.

As an HSC Graduate applying to enrol:

- you need to have a UAI that would normally qualify you for entrance to the faculty offering your chosen unit **
- you can only enrol in ONE unit of study
- you can count a successfully completed unit of study towards a degree course at this University, so long as it is normally available in that course. You will need to check this with the appropriate faculty, or ask a Summer School staff member for advice
- if you enrol at another university, you must ensure that they will credit your Summer School study (do this before you enrol at Summer School)

Units marked with (H) are available to HSC graduates.

* Some units will run for fewer than seven weeks and are very intensive in nature. The University reserves the right to withdraw units of study from The Sydney Summer School before the start of the program.

** If you enrol before receiving your UAI, and then you don't achieve a sufficient score, we can refund tuition fees. The deadline for notifying us is 3 January 2002.
Admission to the University of Sydney
Important Note: Successful completion of a Summer School unit of study is not an offer of admission to the University. Students should seek the advice of the Director of The Sydney Summer School if they wish their Summer School result to contribute to an application for admission.

Overseas students and visa requirements
We have received advice from the Department of Immigration that overseas students taking part in The Sydney Summer School may do so on a Visitor Visa provided that the combined length of any studies they undertake in Australia is not more than three months and the conditions of their visa do not prohibit them from engaging in any studies or training.

Auditing a unit of study
Some units are available on a non-award or audit basis. As an audit student you:
- pay 75% of the tuition fee
- undertake no summative assessment (i.e. assessment that counts towards a result), although you may undertake some formative assessment (e.g. in-class quizzes)
- will receive a Certificate of Participation, as long as your attendance has been satisfactory
- may not credit the audit unit to an award course at the University of Sydney, but you may apply for advanced standing in some cases

Units available to audit are marked with (A) in the individual unit of study listings.
Students enrolled for credit may take preference if places are limited.

Study load
The intensive mode in which Summer School units are presented and studied requires a substantial commitment of time and effort, both inside and outside the classroom. For this reason, you may not undertake more than two units of study in the Summer School.

Mathematics and Statistics study load
The School of Mathematics and Statistics has determined that if you have demonstrated academic ability you may undertake more than two units of study in Mathematics with written permission from Dr Adrian Nelson.

A note about Austudy/Youth Allowance
Please also bear in mind that if by taking a Summer School unit of study your study load at university during semesters 1 and 2 is reduced, this may have an effect on your eligibility for Austudy/Youth Allowance.
How to enrol

You can enrol by web, by post or in person. You should enrol by Friday 30 November. If places remain available it will be possible to enrol in person up to 21 December.

If you need an enrolment application form, you can download it from www.summer.usyd.edu.au. Otherwise, please contact The Sydney Summer School office or go to the Student Centre in Carslaw Building or your Faculty office. Your enrolment application will be subject to approval by The Sydney Summer School office and is dependent upon availability of places in your chosen unit of study. Please read the "Eligibility to Enrol" section on page 3 before completing your enrolment application form. Enrolment is subject to full payment of fees and may be cancelled in the event of invalid cheque or credit card payments.

Enrol early!
Each faculty offering Summer School units will decide early in December whether or not to proceed with the proposed units of study, based mainly on the number of enrolments received by 30 November. It is therefore highly advisable to enrol early to secure your place in your chosen unit of study and ensure that it goes ahead.

To enrol by post — PO Box 446, BROADWAY NSW 2007, Australia
You can enrol by post from 1st September 2001. Please send your completed enrolment application form together with full payment or bank receipt to the above address. We will post you an official receipt and enrolment package.

To enrol on the web — www.summer.usyd.edu.au
You can browse the unit of study database to check fees and availability of units then follow the "WEB ENROLMENT" link to enrol using your Mastercard, Visa, or Bankcard on our secure e-commerce site (1 September 2001 to 2 January 2002). You can print your transaction details from the web and we will also post you an official receipt and enrolment package.

To enrol in person — Student Centre, Carslaw Building, Camperdown Campus
Summer School staff will be at the Student Centre every Thursday from 4th October then every weekday from 19th November to 21st December. Please bring your completed enrolment application form and full payment or bank receipt. We will give you an official receipt and enrolment information.

Very late enrolments
If your decision to enrol in The Sydney Summer School is dependent upon your Semester 2 exam results, you WILL be able to enrol after receipt of results provided that places remain in your chosen unit of study.

The University will be closed from midday 24 December 2001 until 2 January 2002. However, Summer School staff will be available for consultation by telephone or email for some of this period. If you need to make a late enrolment at this time, telephone us and leave full contact details.

Web enrolments will remain available until Wednesday 2nd January. You may also fax an application with credit card details, but please telephone us to let us know that you have done so.

In-person applications to enrol may also be made on the first three days of Summer School (2-4 January) at The Sydney Summer School enquiry counter in the Student Centre. Their acceptance will be at the discretion of The Sydney Summer School Director and the relevant lecturer and subject to availability of places.
Fees and scholarships

As the University uses up its quota of HECS-funded places in Semesters 1 and 2, all Summer School units of study are offered on a full-fee basis and cannot be deferred to HECS. The cost of each unit has been determined according to its credit point value and subject area and is based on the fees for a local student paying full fees or (where the enrolment has been capped at a very low number) on the cost of providing the unit.

If you are not currently enrolled in an Australian university, you will also be charged the appropriate student organisation compulsory subscriptions (about $165 for undergraduates and $108 for postgraduates including GST).

Some units may require extra expense, such as the purchase of equipment or travel costs and these charges are indicated where relevant for your information.

BONUS OFFER! 2001 HSC graduates do not need to pay compulsory subscriptions.

Fee-Waiver Scholarships
DEADLINE FOR APPLICATIONS IS 30 NOVEMBER 2001

Some fee-waiver scholarships will be available in the Summer School. The eligibility criteria will be similar to those of the University's Broadway Admission Scheme. To be eligible for consideration for a partial or full fee-waiver you will generally need to provide evidence of long-term educational disadvantage based on two or more criteria, one of which must be financial hardship.

Make your application in writing to Dr Jim Sait, Director, The Sydney Summer School, Gatekeeper's Lodge, F18, The University of Sydney, NSW 2006. You must include a covering letter, relevant documentation supporting your claims (for example Austudy/Youth Allowance/other government benefit or bank statements which indicate equivalent financial status, pertinent medical certificates etc) and a completed enrolment application form (without payment). You will be notified of the outcome of your application as soon as possible after its receipt.
Refund policy

1. In the event that a Summer School unit of study is cancelled, students will receive a 100% refund of tuition fees and compulsory subscriptions. The relevant Faculty will make a decision about cancellation of a particular unit as early as possible.

2. Students who withdraw from a Summer School unit of study prior to 4pm on 21 December will receive a refund of fees paid less a $50 application fee.

3. Students who withdraw prior to 4pm on 2 January will receive a 90% refund of tuition fees and a 100% refund of compulsory subscriptions.

4. Students who withdraw from a unit of study prior to 4pm on 4 January will receive a 50% refund of tuition fees and a 100% refund of compulsory subscriptions.

5. There will be no penalty if a student transfers between units of study in the Summer School before 4pm on 4 January, provided the credit point values of the respective units are the same. After this date, no change of enrolment will be permitted. Permission to transfer from one unit of study to another must be approved by both the teachers/coordinators of the unit you are leaving and the unit you are seeking to enter.

6. Students who change from a unit of study with a greater credit point value to one with a lesser credit point value after 9am on 2 January and before 4pm on 4 January will receive a 50% refund of the tuition fee difference between the two units of study. Permission to transfer from one unit of study to another must be approved by both the teachers/coordinators of the unit you are leaving and the unit you are seeking to enter.

7. Students who withdraw from a Summer School unit of study after 4pm on 4 January will receive no refund, except at the discretion of The Sydney Summer School Director.
Prerequisites, Assumed Knowledge and Academic Credit

Prerequisites in Summer School
In general, there is more flexibility with regard to prerequisites in Summer School. In some cases, you may apply in writing to the Head of Department for permission to enrol in a unit without having the prerequisites. If successful, you must attach the written permission to your enrolment application form.

Please note, however, that course completion rules may require successful completion of specific units of study to fulfill degree requirements. If a unit has been waived as a prerequisite for enrolment in a particular Summer School unit by the department concerned, such a waiver may not apply at the faculty course rules level and you may need to complete it before you qualify for your degree. Please consult your faculty if you are unsure about course completion rules.

Assumed Knowledge
Assumed Knowledge means that this level of background knowledge is known to facilitate understanding of the study material, which may be difficult to assimilate without that knowledge. You may enrol without having the assumed knowledge, but you should contact the nominated person for your chosen unit to discuss your options.

Crediting Summer School units to your degree
University of Sydney students - credit is normally automatic
Your Summer School enrolment and result will appear on your normal student record and will show on your academic transcript as long as your Summer School unit of study is allowed in your current degree course and you have satisfied the prerequisites.

If you are not currently enrolled, or if your Summer School unit of study cannot be added to your current record because of course rules, you will be enrolled as a Summer School non-degree student.

This Information Booklet indicates some of the awards to which units of study may be credited. Please note that this is a guide only: a particular unit may not be accreditable to all of the award courses listed in ALL cases and taking a unit does not guarantee admission to a particular award. If you are not sure of your course rules, we advise you to consult your faculty prior to enrolling. Please note also that these lists are not exhaustive, and that accreditations to other awards may be possible. Remember, if you have any doubt whether a particular unit of study is eligible for credit to your degree program then you must consult the relevant faculty office and seek confirmation that the unit is eligible if completed successfully.

Crediting Summer School units to degrees at other institutions
If you wish to credit a Summer School unit towards an award course at another institution, it is your responsibility to obtain advice from your home institution, in writing, that they will credit the unit (and at what value). Obtain this information prior to enrolling in the unit.
Graduation

If passing your Summer School units means that you will complete all requirements for your degree or diploma, then you should be able to graduate in 2002. However, it will not always be possible for you to graduate with peers who completed the same award at the end of 2001 — this will depend upon timing of ceremonies and numbers of graduands. Please make sure that you have notified us that you are expecting to graduate — we will arrange Faculty checks before sending your details to the Graduations Office for prompt processing. The Graduations Office will then contact you with details of your graduation ceremony, so please do not make arrangements regarding your graduation until your results are known and the date for your ceremony has been confirmed.

Facilities and services on campus

Student Services

Student Services exists to help students achieve their educational and personal goals through the provision of a range of academic, counselling and welfare services. The following services will be available to students enrolled in The Sydney Summer School:

- **Accommodation Service**: Level 7, Education Building Phone 9351 3312
- **Casual Employment Service**: Level 4, Holme Building Phone 9351 8714
- **Counselling Service**: Level 7, Education Building Phone 9351 2228
- **Disability Services**: Level 7, Education Building Phone 9351 4554
- **International Student Services Unit**: Grd. Floor, G12 Services Building Phone 9351 4749
- **Learning Centre**: Level 7, Education Building Phone 9351 3853

Accommodation

On-campus accommodation will be available during the summer period through the residential colleges whose contact details are listed below. For more information, please contact the colleges directly or consult their web sites. For general information about accommodation or a list of nearby hotels and hostels, please contact the Student Accommodation Service.

- **Student Accommodation Service** - Rm 721 Education Building A35 Phone 9351 3312
- **St Andrew’s College** - 19 Carillon Ave, Newtown NSW 2042 Phone 9565 7300 Fax 9565 7310
- **St. John’s College** - 8A Missenden Road, Camperdown NSW 2050 Phone 9394 5200 Fax 9550 6303
- **International House** - 96 City Road, Chippendale NSW 2008 Phone 9950 9800 Fax 9950 9804
- **Mandelbaum House** - 385 Abercrombie St, Darlington NSW 2008 Phone 9692 5200 Fax 9692 5280
- **Sancta Sophia College** - 8 Missenden Road, Camperdown NSW 2050 Phone 9577 2100 Fax 9577 2388
- **Wesley College** - University of Sydney NSW 2006 Phone 9565 3333 Fax 9516 3829
- **Women’s College (for women & men)** - 15 Carillon Avenue, Newtown NSW 2042 Phone 9517 5000 Fax 9517 5006

Learning Centre - Phone 9351 3853

The primary role of the Learning Centre is to assist students to develop their learning and communication skills for academic purposes. Commencing on 21 January 2002 and running for 5 days to 25 January 2002, the Learning Centre will offer academic skills support for students enrolled in The Sydney Summer School. But you don't have to wait until then. Contact the Summer School Office for further information.
Health Services
There are doctors available to cater for students' health needs at Medical Centres in both the Wentworth (9351 3484) and Holme (9351 4095) Buildings. A dentist is also available in the Wentworth building (9692 8900). There are pharmacies located in both the Wentworth and Holme Buildings.

Parking
Parking space on campus is extremely limited and students are advised to take public transport where possible. The University-owned Shepherd Street carpark (behind the Seymour Centre in Chippendale) offers parking for $2/hr or $6/day, 5am-midnight. The flat rate for Camperdown campus is $15/day. Other campuses, such as Nursing at Mallett St (Camperdown) or Law School (Sydney City) have extremely limited nearby on-street parking and you are strongly advised to take public transport. Please note that prices quoted are subject to change.

Other services
Other services such as Fisher Library, sporting facilities and childcare will be available over the summer period. The University of Sydney Union will operate during the Summer School period and will provide a range of catering and retail services, primarily in the Wentworth and Manning Buildings, along with other facilities including copying services. More detailed information about these will be available closer to the commencement of the Summer School.

Sporting facilities
The Women’s Sports Centre on Western Avenue (for use by women & men). The Centre is open to all male and female students as well as staff and the general public. Facilities include the Fitness Arena Gym, The Ledge Climbing Centre, the Sports Clinic, courts to hire, plus lots more. Phone 9351 8111 or visit their web site at www.suwsa.usyd.edu.au

The Noel Martin Recreation Centre on Butlin Avenue
Includes a 50m pool, gymnasium and cardio facilities, squash and tennis courts, yoga classes. Phone 9351 4978 or go to www.sportsunion.usyd.edu.au/Facilities/USACmain.html

Ralph’s Cafe at the Women’s Sports Centre
Western Avenue, Mon-Fri 7am to 8pm, Sat 8am to 4pm
Specialising in espresso coffee, delicious foccacias and sandwiches, huge variety of homemade fillings, freshly squeezed juices, continental biscuits, pide bread, lebanese rolls. Catering available. Receive 3 free coffees if you present this coupon at Ralph’s Cafe between January 2 and February 19, 2002 (three coffees per customer)
Art Workshop units of study: For units of study in Photography, Etching, Oil Painting or Object Design (Wood) that can be credited towards a degree, please see page 66.

Please note: You must have basic computer skills, access to a sufficiently powerful computer with the relevant software and internet access in order to complete the following online units of study (see the "Assumed Knowledge" section for each unit). The Faculty of Architecture will open the Wilkinson Building computer lab to enrolled students who do not have the appropriate facilities. Consult the Faculty Contact person for further details.

Faculty contact
Liz Buckton, Manager Student Services Centre
Ph 9351 5923 Fax 9351 5665
Email liz@arch.usyd.edu.au Address 453 Wilkinson Building, G04

DESA2610 Colour Design 1
4 credit points Fees: $1200 Runs: 02/01/02-19/02/02
Contact hours per week: This unit will be run online

Colour design focuses on presenting knowledge about how we perceive and experience colour and using this knowledge in a series of design exercises. The design exercises focus on the use of colour in the built environment. The way in which the design exercises are implemented is through the image processing program Photoshop with tutorials in the use of Photoshop forming a part of each design exercise. The unit of study is fully online with the participants working through the content and the associated exercises and assignments using e-mail to ask questions and accessing the answers to the frequently asked questions (FAQs) to access responses to others’ questions.

Prerequisites None, but see assumed knowledge
Assumed Knowledge Basic computing skills, access to a computer with a good quality colour screen, sufficient power to transfer graphics files across the Internet, copies of Photoshop and Netscape Navigator or equivalent and one of the standard word processing programs.
Assessment Assessment is by two assignments that each involve producing a number of example colour designs.
Texts All material is available online but a reference list is provided for further exploration of the topic.
Lecturer A/Prof Terry Purcell Ph 9351 3206 Fax 9351 3031 Email terry@arch.usyd.edu.au Address Wilkinson Building, G04
**DES2611 Colour Design 2**

4 credit points  Fees: $1200  Runs: 02/01-19/02

Contact hours per week: This unit will be run online

Colour Design 2 builds on the knowledge and skills developed in Colour Design 1. Colour Design 2 focuses on more complex colour experiences - colour harmony, the four basic dimensions of affective colour experience, familiar and typical and unfamiliar and atypical colours and the effects of the number of colours on colour experience. Each of these is explored by examining the colours and colour relationships in objects and built and natural environments. The image processing skills from Colour Design 1 are used and developed in more depth. These skills are combined with learning to convert pictorial and slide representations of objects and environments into digital form.

**Prerequisites**  DESA2610 Colour Design 1

**Assumed Knowledge**  As for Colour Design 1.

**Assessment**  Assessment involves two assignments. The first is the production of colour designs for a number of building facades and client briefs. The second involves the "deconstruction" of existing colour schemes chosen by the student by studying, evaluating and manipulating the colour relations in the chosen examples.

**Texts**  All material is available online but a reference list is provided for further exploration of the topic.

**Lecturer**  A/Prof Terry Purcell  Ph 9351 3206  Fax 9351 3031  Email terry@arch.usyd.edu.au  Address Wilkinson Building, G04

Award courses DESA units may be counted to: BDesign[Arch], BDesComp, BArch and as an elective in some degrees — consult your Faculty. See "Prerequisites, Assumed Knowledge and Academic Credit in the General Information section and note that passing any unit does not guarantee admission to any award."
ArchiCAD is an object-oriented 3D modelling and documentation package for designing architectural forms. This online unit provides an overview of the package, tutorial instructions, and instruction on how to use the major features of ArchiCAD for creating a 3D model, 2D plans and elevations, rendering with material properties and light sources, and animated walkthroughs and movies. The unit also includes the basics of developing documentation using layers and object properties, and printing and plotting. A tutorial exercise and a model of an existing building or object are the basis for assessment.

**Prerequisites**  
None, but see assumed knowledge and "Please note" on page 12

**Assumed Knowledge**  
ArchiCAD software is required.

**Assessment**  
There are two submissions: an ArchiCAD model according to tutorial instructions and an end of unit project

**Lecturer**  
Dr Michael Rosenman  Ph 9351 5933  Fax 9351 3031  Email mike@arch.usyd.edu.au  Address Wilkinson Building, G04

AutoCAD is arguably the world’s most widely used computer-aided design software. This online unit provides an overview of the package, with tutorial instructions on the use of the major features of AutoCAD for creating 2D drawings and 3D models. Topics include basic commands for drafting and modelling, layering, dimensioning and rendering. Outcomes include basic skills in modelling, visualisation, documentation and presentation of 3D designs. A structured tutorial exercise and a 3D modelling project of an existing building or object are the basis for assessment.

**Prerequisites**  
None, but see assumed knowledge and "Please note" on page 12

**Assumed Knowledge**  
AutoCAD software is required.

**Assessment**  
There are two submissions: an AutoCAD file according to tutorial instructions and an end of unit project

**Lecturer**  
Dr Michael Rosenman  Ph 9351 2293  Fax 9351 3031  Email mike@arch.usyd.edu.au  Address Wilkinson Building, G04
DESC9123 Web Site Design

6 credit points  Fees: $1500  Runs: 02/01/02-19/02/02  
Contact hours per week: This unit will be run online

Creating effective, well-designed web sites is becoming increasingly important. This unit includes basic web page design, navigation, animation, behaviours, and effective layout and site map design. The design issues emphasise cognitive issues and the development of a set of styles across a web site. Technical information such as internet protocols and HTML are included. Skills in using Dreamweaver 4 as a web page editor and site manager are developed. Assessment is based on the publication of a home page and a design portfolio web site. Smaller exercises are assessed as portions of the web site are developed.

Prerequisites None, but see assumed knowledge and "Please note" on page 12
Assumed Knowledge Dreamweaver software or equivalent is required.
Assessment There are two submissions: a home page published on the web according to tutorial instructions and a design web site due at the end of the unit
Lecturer Professor Mary Lou Maher  Ph 9351 2191  Fax 9351 3031  Email mary@arch.usyd.edu.au  Address Wilkinson Building, G04

Award courses DESC units may be counted to: BArch, GradCertDesSc, GradDipDesSc, MDesSc. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.

DESC9135 Digital Audio Production with ProTools

6 credit points  Fees: $1500  Runs: 12noon to 6pm  Total contact hours: 30
Proposed Timetable: Sat & Sun, 16, 17, 23, 24 February and Sat 2 March

Aim: This unit is intended to give an understanding of the principles and practice of computer-based audio production and post-production, through the focus of the industry standard ProTools software. Content: This course will: introduce the student to multitrack audio production concepts and practices as used with a personal computer; give an understanding of the specialised approaches and techniques used with various media, genres and formats; teach skills in computer-based audio production in lectures, practical demonstrations and by individual or small-group practical work, both in-class and by assignments.

Outcomes: Students will develop technical and conceptual digital sound recording skills across a wide range of production areas. They will gain an understanding of the implications of non linear, hard disk based recording systems on production practices. They will develop sound design skills in composition, editing, signal processing and mixing, as well as mastering for various media, technical presentation of material, data management and archiving.

Assumed Knowledge Basic Computer Skills
Lecturer Mr Michael Bates  Ph 9351 5605  Email michael.bates@arch.usyd.edu.au

Award courses this may be counted to: BArch, GradCertDesSc, GradDipDesSc, MDesSc
Faculty of Arts
Koori Centre

KOCR2100 Indigenous Australia

8 credit points  Fees: $1880  Runs: 02/01/02-31/01/02  Contact hours per week: 12
Proposed Timetable: Tu, W, Th 9-1

The unit will focus on Aboriginal life since colonisation. It will address issues of the construction of race, impact of colonisation and Aboriginal resistance. The focus will also include the effects of legislation, government policies and social movements. The relationship to land, spirituality and systems of belief form the foundations of this unit. The structure of Aboriginal societies, cultural practices and maintenance stand beside issues of ownership of knowledge as well as consideration of the lived experience of Indigenous Australians in the political context. Indigenous academic staff teach this unit.

Prerequisites  18 Junior Credit Points
Assessment  1 x Reflective Journal, 1 x Seminar Presentation, 1 x 2,500 word essay
Texts  KOCR 2100 Indigenous Australia Reading Guide
Departmental contact  Kath French  Ph 9351 4078  Fax 9351 6923
Email kath@koori.usyd.edu.au
Address Koori Centre, Old Teachers College A22, Manning Road

SCHOOL OF ENGLISH, ART HISTORY, FILM AND MEDIA
Australian Studies

ASTR2001 Australia: Land and Nation

8 credit points  Fees: $1880  Runs: 02/01/02-08/02/02  Exam: 15/02/02
Contact hours per week: 6  Proposed Timetable: W, F 12-1 & 2-4

A study of some of the interactions between the two major meanings of the term 'Australia': 1) the name now given to a large island in the South Pacific and 2) a nation which came into being on 1 January 1901. Three major themes will be followed: a) Naming of the land and the nation: the different names for Australia and parts of Australia given by Indigenous peoples, early European explorers and white settlers; poems, essays, films and other visual material with a specific focus on Australia as land and nation, b) Changing European perceptions of the Australian environment and landscape, c) Concepts of the nation as demonstrated in the move to federation at the end of the 19th century, to a republic at the end of the 20th century and through the battle for Aboriginal land rights.
SCHOOL OF EUROPEAN, ASIAN AND MIDDLE EASTERN LANGUAGES AND STUDIES
Department of Asian Studies

**Mass Media in Korea**

8 credit points  Fees: $1880  Runs: 03/01/02-12/02/02  Exam: 19/02/02

Contact hours per week: 6  Proposed Timetable: Tu, Th 3-6

This unit of study introduces students to the media industry, processes, policies and practices in South Korea by examining the historical development and operational practice of mass media in Korea. In addressing the topics, the main features of Korean media are discussed and compared with those in other Asian countries and in Western countries, e.g. the USA, the UK and Australia. This unit also looks at Korean media within the context of regionalisation and internationalisation which emerged with the introduction of new communication technologies. The major topics include the development of mass media and foreign influence, the social and cultural role of the media, state control over the media and its relationship with the media, and new media technology and its impact on current media structure and on Korean society. This unit does not assume prior knowledge of media studies, although it would be an advantage.

**Prerequisites**

Introductory-level study in humanities or social sciences. Students with other backgrounds should consult with the coordinator.

**Assessment**

1 x presentation (with 1,500 words written work), 1 x 3,000 word essay, 1 x 2hr exam and participation.

**Texts**

*Selected Readings (Mass Media in Korea)*, University of Sydney, 2000.

**Lecturer**

Dr Ki-Sung Kwak  Ph 9351 4490  Fax 9351 2319  Email Ki-Sung.Kwak@asia.usyd.edu.au  
Address SEAMELS, Brennan Building, A18

**Departmental contact**

Dr Ki-Sung Kwak or Dr Elise Tipton  Ph 9351 4490, 9351 4718  
Fax 9351 2319  Email Ki-Sung.Kwak@asia.usyd.edu.au, Elise.Tipton@asia.usyd.edu.au  
Address SEAMELS, Brennan Building, A18

Award courses this may be counted to: BA, DipArts, BEd(SocSc), BLibStud, BSc, BA/BCom, BEd, BSW. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
This unit of study is an intensive second language learning programme for beginners, which requires students’ active participation and a minimum of six hours home study per week. The unit is based both on communicative methodology and a functional approach to language. Through using the French language in a range of contexts, students will develop spoken communication (speaking, listening) and to a lesser extent written communication (reading, writing) skills in order to exchange information and services, ideas and opinions and express feelings and emotions. Through the use of language in various communicative activities, such as role playing, the student will begin to build up a knowledge of vocabulary, idioms and structures, to develop an understanding of the function of language and of the relationship between language, society and culture. The syllabus involves the use of text books and audio tapes. Online resources designed to assist students in developing their language skills outside campus will also be made available.

**Prerequisites**
For complete beginners; or less than 2 years of secondary-level French; or less than 70% in 2 Unit Z HSC French.

**Assessment**
Continuous assessment during tutorials, 1 x oral and 1 x written examination

**Texts**
Evelyne Berard, Yves Canier, Christian Lavenne, *Tempo 1, methode de franqais* (Paris: Didier/Hatier, 1996). Maia Gregoire, *Grammaire progressive du francais avec 400 exercices, Niveau debutant* (Paris:CLE International, 1997), and one booklet available at the Copy Centre. Please note that these books are available from the University Co-op Bookshop and that students should bring them to the first class.

**Advanced reading**
Week 1 grammar booklet available at Copy Centre

**Lecturer**
Dr Christiane Marvillet (Nov 2001 to mid-Jan 2002 please contact Dept of French) Ph 9351 6779
Email christiane.marvillet@french.usyd.edu.au
Address French Dept, Brennan Building, A18

Award courses this may be counted to: BA, BLibStud, BSocSc, BSc, DipLangStuds, BMedSc, BEd, BCST, BE, BPsych, BEc, BEc(SocSc), BCom, BCom(LibStud), BMus, BSW plus combined degrees and specialist BA degrees. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
An analysis of Roman religious and moral beliefs throughout the Empire until the reign of Julian. The emphasis will be the changes that occurred over the centuries in a society where religion and politics were always intertwined. Topics to be discussed will include: the Augustan reformation, the spread of oriental religions and Christianity and the relations between church and state, the acceptance of the new religion under Constantine and the Failure of Julian's pagan revival.

Prerequisites
12 junior credit points of ANHS or HSTY or ECHS or ANHS/CLCV or equivalent.

Assessment
1 x 3,000 word essay, 1 x 1,000 word tutorial paper, 1 x 3hr examination

Advanced reading

Lecturer
Miss Leonie Hayne  Ph 9351 3096  Fax 9351 3918
Address Room 733, Mungo MacCallum, A17

Departmental contact
Mr Iain Evans  Ph 9351 2862  Fax 9351 3918
Email iain.evans@arts.usyd.edu.au
Address Ancient History, Main Quadrangle, A14
Department of History

**HSTY2029 Sex and Scandal**

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<tr>
<th>8 credit points</th>
<th>Fees: $1880</th>
<th>Runs: 07/01/02-12/02/02</th>
<th>Exam: 18/02/02</th>
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<tr>
<td>Contact hours per week: 6</td>
<td>Proposed Timetable: M, Tu 4-6</td>
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What makes a scandal? In this unit we examine a number of sensational case studies from the Western world and discover the mingled horror and enjoyment with which they have been told, received, and retold. Weaving its way through the courts of Roman emperors, medieval monasteries and peasant villages to the sensationalist press of modern times, touching along the way on sadism, adultery, incest, homosexuality and harassment, our investigation takes us to the heart of different cultures. We are reminded that it is not behaviour but the ever-changing interpretations of behaviour that give rise to condemnation and scandalised indignation. Examining occasions when social rules regarding marriage, belief and political authority have been gloriously flouted allows us to consider the ways in which rules are themselves constituted, maintained and challenged.

**Prerequisites**
12 junior CPs in History or Asian Studies or with departmental approval

**Assessment**
1 x 1,000 word paper, 1 x 3,000 word essay, 1 x 2hr examination

**Lecturer**
Ms Anna Carden-Coyne  Ph 9211 5595  Fax 9351 3918

**Departmental contact**
AS FOR ANHS2004

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**HSTY2035 A History of the United States Since 1865**

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<th>8 credit points</th>
<th>Fees: $1880</th>
<th>Runs: 02/01/02-07/02/02</th>
<th>Exam: 11/02/02</th>
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<tr>
<td>Contact hours per week: 6</td>
<td>Proposed Timetable: W, Th 11-12,1-3</td>
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This unit will explore key issues and debates in the social, cultural and political history of the United States since 1865. Topics will include the rise and fall of the segregated South, immigration and the nature of ethnic identity, social reform movements from Populism and Progressivism to the Civil Rights movement, feminism and gay liberation, the rise of the mass consumer culture, and the changing place and fate of the United States in the world, from imperialist expansion to isolationism and later Cold War superpower. When we explore the past we will be concerned not only with the ideas and policies which came to dominance at different times in the past, but also with alternatives—ideas which attracted support, but did not succeed in defining the shape of modern America. Wherever possible, we will also look to history 'from the bottom up', studying the ideas and behaviour of ordinary people as well as those of politicians, business leaders and members of the dominant groups in American society.

**Prerequisites**
12 junior CPs in History or Asian Studies or with departmental approval

**Assessment**
1 x 1,000 word tutorial paper, 1 x 3,000 word essay, 1 x take-home examination

**Lecturer**
Dr Stephen Robertson  Ph 9351 3782  Fax 9351 3918  
Email stephen.robertson@history.usyd.edu.au
Address History, Main Quadrangle, A14

**Departmental contact**
As for ANHS2004

Award courses HSTY and ANHS units may be counted to: BA, BLibStud, Study Abroad, BEd, BCom, BSc, BSocSc, DipArts, BEc(SocSc), BEd, BSW, BMus plus some specialist and combined degrees. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
8 credit points  Fees: $TBA  Note: THIS UNIT WILL RUN AT THE END OF 2002

This variation of the History Department's regular senior unit is an exciting opportunity to take part in an intensive study in the city of Florence, cradle of the Italian Renaissance. While living in Florence for a month, students will attend lectures and seminars and participate with their lecturers in a programme of interactive site visits through which they will learn to exploit art and the city as tools to understand Renaissance society and culture in the broadest sense.

The unit emphasises the role of the city as a crucible of culture. Students will trace the medieval background to the flowering of culture under Cosimo, Piero and Lorenzo de'Medici (the Magnificent), on special site visits to Tuscan towns including Siena, Pisa, Volterra and San Gimignano. On many site visits in Florence and its environs your lecturers will treat paintings, sculpture, and architecture and the urban space of the city as texts through which the layered history and culture of Florence can be read. Artists whose work students will study include Cimabue, Giotto, Ambrogio Lorenzetti, Simone Martini, Masaccio, Filippo Lippi, Piero della Francesca, Botticelli, Leonardo da Vinci, Michelangelo and many others.

Special 'field-trip': study of the medieval church of Orsanmichele: This beautiful 14th-century church stands in the centre of Florence between the cathedral (duomo) and the old town hall (Palazzo Vecchio). At various times, Orsanmichele has been a granary, site of a miraculous image, meeting-place for pious lay-people, alms-house and sculpture gallery. Students will make an independent study of a selected aspect of Orsanmichele's history, using textual sources, the building itself, and (under the guidance of lecturers) original medieval documents in the Florentine state archives. Students will also utilise a specially-designed interactive History Department website on Orsanmichele. In turn, the results of their own research will be uploaded and incorporated in the website.

Prerequisites  None
Assessment  6,000 words or equivalent - details TBA
Lecturer  Dr Nicholas Eckstein (History) and Mr Dugald McLellan (Italian)
Departmental contact  Dr Nicholas Eckstein  Ph 9351 2155  Fax 9351 3918  
Email nicholas.eckstein@history.usyd.edu.au
Address History, Mungo MacCallum, A17
**PHIL2213 Philosophy of Mind**

8 credit points Fees: $1880 Runs: 02/01/02-11/02/02

Contact hours per week: 6 Proposed Timetable: M, W 10-12 & 1-2

An introduction to modern theories of the nature of mind, and some important contemporary issues in the philosophy of mind. Topics will include the problem of mental representation (How can minds think about the world?), the relationship of minds to brains, and the problem of consciousness.

**Prerequisites**
12 Junior credit points in Philosophy. Other applicants who believe they have equivalent knowledge should seek advice from the Departmental Chair.

**Assessment**
1 x 3,000 word essay, 1 x 3,000 word take-home exam

**Texts**
Course reading booklet

**Advanced reading**

**Lecturer**
Mr Luke Russell Email luke.russell@pgrad.erts.usyd.edu.au

**Departmental contact**
Ms Patty Henderson Ph 9351 2466 Fax 9351 6660 Email patty.henderson@arts.usyd.edu.au Address Philosophy, Main Quadrangle, A14

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**PHIL2226 Philosophy and Psychoanalysis**

8 credit points Fees: $1880 Runs: 03/01/02-12/02/02

Contact hours per week: 6 Proposed Timetable: Tu, Th 10-12 & 1-2

An analysis and critique of the main ideas in Freudian psychoanalysis, their philosophical background, and influence in subsequent philosophy of mind.

**Prerequisites**
12 Junior credit points in Philosophy. Other applicants who believe they have equivalent knowledge should seek advice from the Departmental Chair.

**Assessment**
2 x 1,500 word exercises, 1 x 3,000 word essay, attendance and participation

**Texts**

**Lecturer**
Dr Stephanie Winfield Email steph@tpgi.com.au

**Departmental contact**
Ms Patty Henderson Ph 9351 2466 Fax 9351 6660 Email patty.henderson@arts.usyd.edu.au Address Philosophy, Main Quadrangle, A14

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Award courses PHIL units may be counted to: BA, BLibStud, Study Abroad and Exchange, DipArts, BEq(SocSc), BSc, BPsych, BEd, BMus, BSW, plus some specialist and combined degrees. See “Prerequisites, Assumed Knowledge and Academic Credit” in the General Information section and note that passing any unit does not guarantee admission to any award.
Department of Prehistoric and Historical Archaeology

ARPH1001 Introduction to Archaeology

6 credit points Fees: $1410 Runs: 04/01/02-23/01/02
Exam: 18/02/02 Contact hours per week: 17
Proposed Timetable: F 2-5pm (first week 12-5pm), Sat & Sun 10am-4pm (& Wed 24/01 2-5pm)

Archaeology is the only study of the human past which is primarily about what people did rather than what they said. This unit of study is about the art and science of archaeology, its great discoveries, its methods and theory, and about humanity's four million years of existence. The unit offers a world-wide perspective on archaeology and the opportunity to study specific regional topics of your choice.

Prerequisites
None

Assessment
3 x exercises, 1 x 1,500 word essay, 1 x 2,500 word essay, 1 x examination

Texts
Renfrew. Archaeology - Theories, Methods & Practice. 3rd Ed. Thames & Hudson.

Lecturer
Helen Nicholson and Andrew Wilson (plus guest lecturers) Ph 9351 3142 Fax 9351 6392 Email nicholson@acl.archaeology.usyd.edu.au, wilson@acl.archaeology.usyd.edu.au
Address Prehistoric and Historical Archaeology, Main Quadrangle, A14

Departmental contact
Ms Patty Henderson Ph 9351 2466 Fax 9351 6660 Email patty.henderson@arts.usyd.edu.au
Address Prehistoric and Historical Archaeology, Main Quadrangle, A14

Award courses this may be counted to: BA, BLibStud, DipArts, BSc, BEd, BSocSc, BSW, BMus, plus some specialist and combined degrees. See “Prerequisites, Assumed Knowledge and Academic Credit” in the General Information section and note that passing any unit does not guarantee admission to any award.
SCHOOL OF SOCIETY, CULTURE AND PERFORMANCE
Department of Anthropology

**ANTH1002 Introduction to Anthropology**

6 credit points  Fees: $1410  Runs: 02/01/02-18/02/02  Exam: TBA
Contact hours per week: 4  Proposed Timetable: M, W 10-12

Food, Self and Society: Food is not merely what we eat, but also something we use to think about ourselves: who we are and our relationship with others. If we are indeed what we eat, then it is not surprising that people have strong attachments to their cuisine and conversely, an aversion to the foodways of others, including their table manners. This simple-minded discrimination of self through food is, however, becoming increasingly more complex these days. In any city, food has become internationalised. Fast food like McDonald's now competes with ethnic foods brought by diaspora communities from all over the world. With this rich offering, how do people use food as a principal metaphor to think about themselves? This is one theme which will occupy us in the lectures and tutorials. A second theme builds on this beginning to investigate how food is used through its exchange to create society. Throughout the Pacific, much of what we classify as food is not eaten but exchanged for political purposes, to create social bonds of all sorts, and for a myriad of symbolic purposes. Sociality created through the exchange of food may override other social structures. Thus, food is a way to explore self and society.

Prerequisites  None
Assessment  2 x 1,500 word essays, 1 x 2hr examination
Texts  Readings will be photocopied and made available to students
Lecturer  Assoc Prof Daryl Feil and Dr S Yao
Departmental contact  Assoc Prof Daryl Feil  Ph 9351 6682  Fax 9351 3046  Email Daryl.Feil@anthropology.usyd.edu.au  Address Anthropology, Main Quadrangle, A14

**ANTH2106 Ethnographic Film**

8 credit points  Fees: $1880  Runs: 02/01/02-18/02/02  Exam: TBA
Contact hours per week: 4 (additional private film viewings to be arranged)
Proposed Timetable: M, W 1-3

This unit has two parts. The first section explores ethnographic representation through film. What makes a film ethnographic? What is the relationship between film-maker, the subjects of a film and the audience? What is the relationship between the narrative and the visual parts of the film? These are some of the themes explored in this unit. Films made in Papua New Guinea over the last 50 years will serve as examples during this section. The second part of this unit will explore the use of feature films as ethnography. It will specifically deal with the question of how feature films articulate the tensions of a society undergoing dramatic transformation. The work of Hong Kong director John Woo will form the focus of the inquiry. Through his films, an understanding of a critical moment in Hong Kong society will be revealed, when colonial disempowerment, Chinese cultural forms, and the impending take-over of China were dominant realities.
Prerequisites  (ANTH1001 or ANTH1003) and (ANTH1002 or ANTH1004), or with interest in anthropology, senior-level standing and permission Of Head of Department
Assessment  2 x 2,500 word essays and 1 x examination
Lecturer  Assoc Prof Daryl Feil and Dr S Yao
Departmental contact  As for ANTH1002

ANTH2108 Old and New Debates in Aboriginal Studies

4 credit points  Fees: $940  Runs: 03/01/02-22/01/02  Exam: 14/02/02
Contact hours per week: 6  Proposed Timetable: Tu, Th 2-5

The unit offers a critical assessment of past and present debates in the understanding of Aboriginal peoples of south east Australia. Focus will be on indigenous rights, culture, politics of difference and native title.

Prerequisites  None
Assessment  1 x 1,000 word paper (review), 1 x 1,500 word paper (essay) and 1 x 2hr examination
Lecturer  Dr Gaynor Macdonald  Ph 9351 3351  Fax 9351 3046
Email gaynor.macdonald@anthropology.usyd.edu.au
Address Anthropology, Main Quadrangle, A14

Department of Linguistics

LNG57109 Language and Identity

6 credit points  Fees: $750  Runs: 02/01/02-08/02/02  Exam: 13/02/02
Contact hours per week: 4  Proposed Timetable: W, F 4-6

Explores the role of language in the performance and perception of identity, at the individual, the social, the national and the international level. We will approach the concept of "identity" from a variety of interdisciplinary perspectives and we will investigate how national, ethnic, cultural, social, linguistic, sexual and gender identities are constructed, challenged, upheld and negotiated in language use, choice, and learning. We will explore the linguistic construction of identities in a rich variety of international contexts, including language learning by immigrant adolescents in Australian classrooms, pronoun use by hijras in India, gay personal ads in Hong Kong or multilingual advertising in Germany. These case studies will be situated within a framework that acknowledges the crucial role of power relations in society and ideologies of marginal and hegemonic identities in the performance and perception of identity. This unit has applications in language teaching and learning, media studies and critical literacy.

Prerequisites  None
Assessment  2 x written assignments, 1 x 2hr examination, participation
Texts  Course pack will be available
Lecturer  Dr Ingrid Piller  Ph 9351 7518  Fax 9351 7572
Email ingrid.piller@linguistics.usyd.edu.au
Address Linguistics, Transient Building, F12

Award courses ANTH units may be counted to: BA, BLibStud, BSocSc, BEd(SocSc), BEd, BCST, BPsych, BEc, BSc, BLibStud, plus some specialist and combined degrees. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
Accounting is about the use of information to make economic decisions. Accounting 1B (a) illustrates the problems in identifying and measuring economic information, (b) discusses solutions adopted by the accounting profession, and (c) develops students’ ability to use the information to make decisions. It is obvious that accounting requires familiarity with technical rules and procedures. However, technical rules do not always provide clear guides; principles sometimes conflict. In these instances, it is necessary to use sound argument and judgment in devising a solution. The study materials and assessment are designed to help students develop the necessary analytical, written and oral communication skills.

**Prerequisites**
ACCT1001 Accounting IA

**Assessment**
3 x 1hr quizzes, 1 x 3hr final exam, 1 x group assignment

**Texts**

**Lecturer**
Mr Martin Bugeja  Ph 9351 3079  Fax 9351 6638
Email m.bugeja@econ.usyd.edu.au
Address Discipline of Accounting, Merewether Building, H04
ACCT2001  Financial Accounting

8 credit points  Fees: $1880  Runs: 03/01/02-12/02/02  Exam: 14/02/02
Contact hours per week: 6  Proposed Timetable: Tu, Th 2-5

Accounting and reporting practices of companies, particularly listed public companies. Emphasis is placed on developing an understanding of, and the ability to evaluate critically, the various regulatory requirements (professional and statutory) governing financial reporting. The economic significance of management's ability to choose between alternative techniques for recording/reporting a given transaction or event is also considered from within a 'costly contracting' framework. Issues covered include accounting for income taxes, leases, employee entitlements, intangibles, extractive industries. Consideration of off-balance sheet liabilities and owner's equity. Introduction to intercorporate investments.

Prerequisites  ACCT1001 and ACCT1002
Assessment  Case study (10%), participation (10%), mid-semester test (35%), final examination (45%)
Lecturer  Dr Neal Arthur  Ph 9351 6624  Fax 9351 6638
Email n.arthur@econ.usyd.edu.au
Address School of Business, Merewether Building, H04

ACCT2002  Management Accounting

8 credit points  Fees: $1880  Runs: 03/01/02-12/02/02  Exam: TBA
Contact hours per week: 6  Proposed Timetable: Tu, Th 9-12

This unit provides students with an introduction to the basics of management/cost accounting. Areas specifically covered include: cost terms and purposes, cost behaviour, cost-volume-profit analysis, cost estimation via regression analysis and other means, basic and alternative product costing methods, detailed study of the budgeting process (master budgets, flexible budgets, standard costing and variance analysis) and cost allocation.

Prerequisites  ACCT1001 and ACCT1002
Assessment  Computer assignments, Class presentation & participation, Spreadsheet test, Final exam
Advanced reading  Chapters 1 and 2 from textbook.
Lecturer  Mr Paul Blayney  Ph 9351 4355  Fax 9351 6638
Email p.blayney@econ.usyd.edu.au
Address School of Business, Merewether Building, H04

Award courses these ACCT units may be counted to: BCom, BCom(LibStd), BAgEc, BEc, BSc, BCT, Study Abroad, plus some specialist and combined degrees. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
### ACCT3004 Auditing

8 credit points  Fees: $1880  Runs: 02/01/02-11/02/02  Exam: TBA
Contact hours per week: 6  Proposed Timetable: M, W 9-12

The aim of this unit is to develop an understanding of the nature of financial statement audits undertaken in compliance with the Corporations Law and the professional auditing standards. It is both practical and theoretical. In tutorials, students are required to apply their knowledge in discussing case studies which have been developed based on actual experiences. The students are also exposed to current cases to assess the application of auditing procedures.

**Prerequisites**  ACCT3001

**Assessment**  1 x 2hr examination, 2 x 1,000 word essays, class participation

**Texts**  *Auditing & assurance: services in Australia* (Gay & Simnett); *Corporate collapse: regulatory, accounting and ethical failure* (Clarke et al)

**Lecturer**  John Staunton

**Contact**  Prof Graeme Dean  Ph 9351 3107  Fax 9351 6638  Email graeme@econ.usyd.edu.au  Address School of Business, Merewether Building, H04

Award courses ACCT3004 may be counted to: BCom, BCom(LibStud), BEc, BAgEc and combined BCom degrees. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.

### CLAW2001 Corporations Law

8 credit points  Fees: $1880  Runs: 03/01/02-12/02/02  Exam: 14/02/02
Contact hours per week: 6  Proposed Timetable: Tu, Th 10-1

Begins with a brief comparison of business entities, especially partnership. The concept and process of incorporation are examined. Company finance, both equity and debt finance, and the maintenance of the company's share capital will be studied as well as the topics of accounts, auditors, and companies in financial difficulty. The management of companies and directors' duties will be explored as well as the rights and remedies of company shareholders. Company takeovers, prospectus provisions and securities regulation will also be discussed but studied in more depth in the elective Stock Markets and Derivatives Law.

**Prerequisites**  CLAW1001 plus 4 full-semester first-year units of study

**Assessment**  Class quiz, 1 x 1,000 word essay, 1 x 1,500 word essay, 1 x 3 hr open-book exam


**Lecturer**  Ms Pam Devery  Ph 9351 3097  Fax 9351 6638  Email p.devery@econ.usyd.edu.au  Address Accounting and Business Law, Merewether Building, H04

Award courses this may be counted to: BCom, BEc, BCom(LibStud), BArgEc, BEc(SocSc), BSc plus some specialist and combined degrees. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
Finance

**FINC2001  Corporate Finance I**

- **8 credit points**
- **Fees:** $1880
- **Runs:** 03/01/02-12/02/02
- **Exam:** 19/02/02
- **Contact hours per week:** 6
- **Proposed Timetable:** Tu, Th 8.30-12.30

Provides an introduction to corporate finance, including investment decision-making. The first part deals with the analytical techniques necessary to make investment decisions, both when cash flows are known and when they are uncertain. The second part deals with the corporation and the Australian capital market, the raising of capital, including equity versus debt, and allocating capital, including dividends, internal investments and takeovers. As far as possible, the unit will attempt to link theory to practical applications via examples, exercises and assignments.

**Prerequisites**

- ECON1001 and ECON1002 and ECMT1010 and ECMT1020 and (ACCT1001 or ACCT1003)

**Assessment**

- 2 x multiple choice exams, major assignment, final exam, tutorial work

**Contact**

Ms Claire Orbell  Ph 9351 3915  Fax 9351 6461
Email c.orbell@econ.usyd.edu.au
Address Room 421, Finance Discipline, Institute Building, H03

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**FINC2002  Corporate Finance II**

- **8 credit points**
- **Fees:** $1880
- **Runs:** 03/01/02-12/02/02
- **Exam:** 19/02/02
- **Contact hours per week:** 6
- **Proposed Timetable:** Tu, Th 1-5

Builds on FINC2001: Corporate Finance 1, but is more applied in that it is concerned with the actual workings of financial markets. It examines the operation of financial markets from both a theoretical and practical perspective, concentrating mainly but not exclusively on Australian financial markets. The unit deals with the economic role of capital markets and theories of capital market behaviour. The operations of equity and derivative markets in Australia, including options and futures, are examined along with foreign exchange and debt markets. A new and important area of study known as 'market microstructure' is introduced and a number of issues in corporate governance and takeovers are examined.

**Prerequisites**

- As for FINC2001, Pre/Corerequisite: FINC2001 Corporate Finance 1

**Assessment**

- 1 x applied project, mid-term exam, final exam and tutorial work

**Contact**

Ms Claire Orbell  Ph 9351 3915  Fax 9351 6461
Email c.orbell@econ.usyd.edu.au
Address Room 421, Finance Discipline, Institute Building, H03
FINC3001 International Financial Management

8 credit points  Fees: $1880  Runs: 03/01-02-12/02/02  Exam: 19/02/02
Contact hours per week: 6  Proposed Timetable: Tu, Th 1-5

Markets are increasingly globalised. There are very few businesses or industries that are not required to deal with issues such as foreign currency, foreign competition and direct investment. This unit of study is designed to allow students to extend their understanding of basic principles in finance to an international environment. Globalisation of markets introduces risks but also opens up profitable opportunities. Topics covered include foreign currency valuation and markets, international parities conditions, measuring and managing foreign exposure, international portfolio management, capital budgeting and foreign direct investment, international tax management and international financing strategy.

Prerequisites  FINC2001 and FINC2002 and (ECON2001 and ECON2002) or (ECON2901 and ECON2902)
Assessment  1 x project, mid-term exam, final exam, tutorial work
Contact  Ms Claire Orbell  Ph 9351 3915  Fax 9351 6461
Email c.orbell@econ.usyd.edu.au
Address Room 421, Finance Discipline, Institute Building, H03

FINC3002 Derivative Securities

8 credit points $1880  Runs: 03/01-02-12/02/02  Exam: 19/02/02
Contact hours per week: 6  Proposed Timetable: Tu, Th 8.30-12.30

Options, futures and swaps are derivatives of underlying securities such as equities and bonds. These relatively new and rapidly growing types of securities are increasingly used to manage risk exposure and as a relatively low-cost-way of taking a position in a security or portfolio. They are also being used as part of senior management compensation as a way of attempting to align the interests of shareholders with that of management. The unit is designed to provide an introduction to this important area of finance without requiring on the part of students a high level of mathematical sophistication. Students will gain exposure to the operations of the Sydney Futures Exchange (SFE) and the Options Exchange and some may even choose to enhance their learning experience by investing small sums on these exchanges.

Prerequisites  FINC2001 and FINC2002 and (ECON2001 and ECON2002) or (ECON2901 and ECON2902)
Assessment  2 x applied projects, mid-term exam, final exam and tutorial participation
Contact  Ms Claire Orbell  Ph 9351 3915  Fax 9351 6461
Email c.orbell@econ.usyd.edu.au
Address Room 421, Finance Discipline, Institute Building, H03

Award courses FINC units may be counted to: BCom, BEc, BAgEc, BCom(LibStd), Study Abroad, Exchange, plus some specialist and combined degrees. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
Marketing

**MKTG3001 Marketing Research II**

- **8 credit points**
- **Fees:** $1880
- **Runs:** 02/01/02-13/02/02
- **Exam:** 18/02/02
- **Contact hours per week:** 6 hrs
- **Proposed Timetable:** M, W 1-4

Quantitative marketing research methods, including multivariate research methods and models. Analysis and interpretation of data, report preparation and presentation. Applications to market segmentation, targeting, positioning and demand forecasting. Advanced research methods and overview of current state-of-the-art marketing research. Research practicum.

**Prerequisites**

MKTG2001 Marketing Principles AND MKTG2002 Consumer Behaviour AND MKTG2003 Marketing Research 1

**Assessment**

1 mid-term exam 2 hrs; 1 final exam 2 hrs; group project

**Texts**


**Contact**

Associate Professor Terry Beed Ph 9351 7656 Fax 9351 8174
Email t.beed@econ.usyd.edu.au Address Institute Building H03

**MKTG3010 Electronic Marketing**

- **8 credit points**
- **Fees:** $1880
- **Runs:** 07/01/02-12/02/02
- **Exam:** 18/02/02
- **Contact hours per week:** 6
- **Proposed Timetable:** M, Tu 10-12. Tutorial: Tu 2-4.

Electronic Marketing introduces students to emerging interactive technologies, the primary one being the Internet, and their impact on and implications for marketing strategy, consumer behaviour, market segmentation, and marketing communications and promotion. At present, every sub-discipline within marketing is fundamentally changed by advances in interactive communication technologies, of which the Internet is definitely one. Consequently, there is a clear need for marketing students and practitioners to acquire an understanding of how these new technologies can be combined with traditional marketing techniques. The purpose of this subject is twofold: to equip students with a working knowledge of the principles and techniques of electronic marketing with specific focus on Internet marketing; and to enable students to plan, design, implement, and evaluate commercial web sites.

**Prerequisites**

MKTG2001 Marketing Principles

**Assessment**

1 x 2000 word individual paper (Web site Analysis), 1 x 4000 word E-Marketing Plan (group), 1 x 2hr final exam (short answer questions)

**Lecturer**

Ms Jeaney Yip Ph 9351 5494 Fax 9351 8174
Email jeaneyy@econ.usyd.edu.au Address Institute Building H03

**Contact**

Associate Professor Terry Beed Ph 9351 7656 Fax 9351 8174
Email t.beed@econ.usyd.edu.au Address Institute Building H03

Award courses MKTG units may be counted to: BCom, BEc, BCom(LibStd), BAgEc plus some combined and specialist degree courses. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
The first of a sequence of two units that together provide an introduction to quantitative methods used in economics and related disciplines. Topics in basic statistics include: methods available for handling, analysing and interpreting data, discussion of probability distributions, an introduction to sampling theory and simple estimation problems. Mathematics of finance is also covered. A key component is the provision of instruction and experience in the use of computers and statistical software as an aid in the analysis of data.

Prerequisites
None, but see assumed knowledge

Assumed Knowledge
HSC 2 unit Mathematics. ECMT1013 and ECMT1023 may not be taken together in the Summer School without departmental permission.

Assessment
2 x quizzes, 1 x mid-semester test, 1 x group assignment, final examination

Texts

Lecturer
Mr Tig Ihnatko  Ph 9351 3945  Fax 9351 6409
Email tigi@econ.usyd.edu.au
Address Econometrics & Business Statistics, Merewether Building, H04

Builds on the work in Econometrics IA. Introduces hypothesis testing, simple and multiple regression analysis, time series analysis and decision theory. This statistical material is complemented by mathematical topics including matrices and partial differentiation. There is an important computing component that is integrated into this unit. Applications to economics, business and related disciplines in the social sciences are provided.

Prerequisites
ECMT1013. ECMT1013 and ECMT1023 may not be taken together in the Summer School without departmental permission.

Assumed Knowledge
HSC 2 unit Mathematics. NB: Other than in exceptional circumstances, it is strongly recommended that students do not undertake ECMT1023 before attempting ECMT1011,1012 or 1013.

Assessment
2 x quizzes, 1 x mid-semester test, 1 x group assignment, final examination

Texts

Lecturer
Mr Tig Ihnatko  Ph 9351 3945  Fax 9351 6409
Email tigi@econ.usyd.edu.au
Address Econometrics & Business Statistics, Merewether Building, H04

Award courses ECMT units may be counted to: BCom, BEc, BA, BAgEc, BCom(LibStd), BEc(SocSc), BSc, BCST, BLibStud, BResEc, BSocSc, BE, BEd, BPsych, BSW, BArch, Study Abroad, Exchange, plus some specialist and combined degree courses. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
**Economics**

### Introductory Microeconomics

<table>
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<th>6 credit points</th>
<th>Fees: $1410</th>
<th>Runs: 03/01/02-19/02/02</th>
<th>Exam: 19/02/02</th>
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<tr>
<td>Contact hours per week: 5</td>
<td>Proposed Timetable: Tu, Th 9-11. Tutorial: one hour</td>
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Introductory Microeconomics addresses the economic decisions of individual firms and households and how these interact in markets. It is a compulsory core unit for the Bachelor of Economics degree (BEc) and is an alternative core unit for the Bachelor of Commerce degrees and for the Bachelor of Economics (Social Science). Economic issues are pervasive in contemporary Australian society. Introductory Microeconomics introduces students to the language and analytical framework adopted in Economics for the examination of social phenomena and public policy issues. Whatever one's career intentions, coming to grips with economic ideas is essential for understanding society, business and government. Students are given a comprehensive introduction to these ideas and are prepared for the advanced study of microeconomics in subsequent years. The unit begins with the introduction of a model that focuses on the question of how individuals, firms and institutions make choices concerning the allocation of scarce resources among competing uses. This is then followed by examination of a range of market structures, the concept of market power, the range of factors which determine the level of competitive pressure which individual firms experience within different market structures, and the influence of this competitive pressure on pricing and output decisions of firms.

| Prerequisites | None, but see assumed knowledge |
| Assumed Knowledge | HSC 2 unit Mathematics. HSC Graduates applying to enrol must have a good pass in HSC 2 unit Mathematics. |
| Assessment | Continuous assessment, details to be announced |
| Lecturer | Dr Wylie Bradford |
| Contact | Dr Graham K White  Ph 9351 6611  Fax 9351 4341  Email g.white@econ.usyd.edu.au  Address Economics Discipline, Merewether Building, H04 |

### Introductory Macroeconomics

<table>
<thead>
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<th>6 credit points</th>
<th>Fees: $1410</th>
<th>Runs: 02/01/02-08/02/02</th>
<th>Exam: 13/02/02</th>
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<tr>
<td>Contact hours per week: 5</td>
<td>Proposed Timetable: W, F 9-11. Tutorial: M</td>
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</tbody>
</table>

Introductory Macroeconomics addresses the analysis of the level of employment and economic activity in the economy as a whole. It is a compulsory core unit for the Bachelor of Economics degree (BEc) and is an alternative core unit for the Bachelor of Commerce degrees and for the Bachelor of Economics (Social Science). Introductory Macroeconomics begins with an examination of the main factors that determine the overall levels of production and employment in the economy, including the influence of government policy and international trade. The analysis is then extended to explore the implications of money, interest rates and financial markets. This enables a deeper examination of inflation, unemployment and economic policy. Finally, the unit examines fundamental controversies in economic policy and theory, such as the respective roles of markets and governments, causes of and cures for inflation, the explanation of income distribution.

| Prerequisites | None, but see assumed knowledge |
| Assumed Knowledge | HSC 2 unit Mathematics. HSC Graduates applying to enrol must have a good pass in HSC 2 unit Mathematics. |
| Assessment | 3 x 1hr exams |
| Lecturer | Mr Anthony Housego  Ph 9351 6944  Fax 9351 4341  Email anthonyh@bullwinkle.econ.usyd.edu.au  Address Economics Discipline, Merewether Building, H04 |
The aim of Intermediate Microeconomics is the development of theoretical and applied skills in economics. It covers applications and extensions of the theory of consumer choice, firm behaviour and market structure. Emphasis is given to the economics of information and choice under uncertainty; industry structures other than monopoly and perfect competition; markets for factors of production; general equilibrium and economic efficiency; market failure and the role of government. Applications of the theory are developed to allow students to gain an appreciation of the way in which microeconomic theory provides insights into economic behaviour and market phenomena. This unit provides a basis for the more specialised options that comprise third year economics.

Prerequisites: ECON1001, Pre/Corequisite: ECMT1010 or MATH1101 or MATH1001

Assessment: 2 x in-class tests, 1 x final examination.


Advanced reading: Consumer theory: Frank chapters 1-4, Producer theory: Frank chapters 9-11

Lecturer: Dr Anu Rammohan Ph 9351 4728 Fax 9351 4341
Email a.rammohan@econ.usyd.edu.au
Address Economics Discipline, Merewether Building, H04

This unit develops models of the goods, money and labour markets, and in this context, examines issues in macroeconomic policy. Macroeconomic relationships, covering consumption, investment, money and employment, are explored in detail. Macro-dynamic relationships, especially those linking inflation and unemployment, are also considered. Exchange rates and open economy macroeconomics are addressed, so introducing questions of both theory and policy. The lectures include an examination of Australian economic policy in relation to balance of payments performance and foreign debt. In the last part of the unit, topics include the determinants and theories of economic growth, productivity and technology, the dynamics of the business cycle, counter-cyclical policy and the relationship between micro and macro policy in the context of recent Australian experience.

Prerequisites: ECON1002, Pre/Corequisite: ECMT1020 or MATH1102 or MATH1002

Assessment: 3 x 1hr in-class exams. Each exam covers the preceding two weeks of lecture and tutorial content. All exams are weighted equally. Format: multiple-choice, short-answer and essay - varies between exams.

Lecturer: Dr Graham K White Ph 9351 6611 Fax 9351 4341
Email grahamw@econ.usyd.edu.au
Address Economics Discipline, Merewether Building, H04
International Macroeconomics

8 credit points  Fees: $1880  Runs: 03/01/02-12/02/02  Exam: TBA
Contact hours per week: 6  Proposed Timetable: Tu, Th 8.30 - 12.30

This unit studies macroeconomic theory and policy in a global trading world. The microfoundations of the various sectors are examined in the context of an open economy. The evolution of international money and capital markets is described, the operation of the foreign exchange market is examined, showing how its microstructure affects its macro performance. Theories and tests of the efficiency of international capital markets are surveyed, as well as core theories and tests of exchange rate and asset price determination. The unit develops the macroeconomic implications of monetary and fiscal policies for small and large open economies for different regimes.

Prerequisites  ECON2002 or ECON2902
Assessment  Continuous assessment, details to be announced
Lecturer  Dr Medhi Monadjemi  Ph 9385 3494  Fax 9351 4341
Email  m.monadjemi@unsw.edu.au
Address  c/- Economics Discipline, Merewether Building, H04

Award courses ECON units may be counted to: BCom, BEc, BA, BAgrEc, BCom(LibStd), BEd, BSc, BCST, BLibStud, BResEc, BScSc, BE, BEd, BPsych, BSW, BArch, Study Abroad, Exchange, plus some specialist and combined degree courses. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.

Government and International Relations

Introduction to World Politics

6 credit points  Fees: $1410  Runs: 07/01/02-11/02/02  Exam: 12/02/02
Contact hours per week: 6  Proposed Timetable: M, Tu 2-5

Introduces the student to the major concepts and approaches of international relations. It will take the student through the traditional theories of international relations, and go on to look at the most recent developments within the discipline. It may look at the uses and problems of the comparative method. Themes examined include the question of order and conflict in world politics, first-third world economic relations and feminist and critical approaches to traditional international relations theory. Students will be equipped with a broad theoretical understanding of international relations as well as an insight into other disciplines, notably politics in general, sociology and economics.

Prerequisites  None
Assessment  1 x 2,000 word essay, 1 x tutorial presentation, 1 x 3hr examination
Texts  Kesley & Wittkopf. World Politics.
Lecturer  Mr Jeff Groom  Ph 9351 6592  Fax 9351 3624
Email  jeffg@econ.usyd.edu.au
Address  Government and International Relations, Merewether Building, H04
The unit will look at the Australian political party system in a number of ways. Historically, the development of parties and the explanations for periods of hegemony, decline, splits, etc. Organisationally, the differing views, and their evolution, of models of organisation and their relation to the wider body politic. Philosophically, the presence or absence of philosophical and ideological bases for the parties and the importance of this for electoral purposes. Sociologically, the presence or absence of class bases for parties and the end of class parties. Functionally, interest aggregating and articulating, parties or pressure groups, the role of minor parties and their prospects and the 'in-dependent' phenomenon.

Prerequisites
Two GOVT 1000 level units of study or permission of the Head of Discipline

Assessment
Continuous assessment, 1 x 2,500 word essay, class participation

Texts
Reader available from Copy Centre

Lecturer
Associate Professor Michael Hogan Ph 9351 7400 Fax 9351 3624 Email michaelh@bullwinkle.econ.usyd.edu.au Address Department of Government and International Relations, H03 - Institute Building

Political Economy

This is an introductory unit in political economy. It explores the nature of economic analysis from different perspectives, emphasising the relationship between economic, social and political issues. It is the first unit in a full political economy major, but may also be taken as a 'stand alone' unit. It is not mathematically oriented, and does not require any prior study in economics. The unit begins with a discussion of current issues in political economy - globalisation, unemployment, structural economic change and the capacity of governments to implement effective economic policies. It then considers the contribution of various schools of economic thought. To what extent do they help us understand such issues? Key concepts are drawn from Classical political economy, Marxism and Neomarxism, the Neoclassical tradition, the Institutional school, Keynesian economics, contemporary political economy and 'economic rationalism'. The unit concludes by discussing how we might apply the tools of economic analysis to current problems and issues.

Prerequisites
None

Assessment
1 x 1,500 word essay, 1 x one-hour exam, 3 x short in-class tests and 1 x oral in-class presentation

Texts

Lecturer
Dr Tim Anderson Ph 9351 4783 Fax 9351 4341 Email timand@ozemail.com.au Address Political Economy, Merewether Building, H04

Award courses ECOP and GOVT units may be counted to: BCom, BEc, BA, BAgriEc, BCom(LibStd), BEqSocSc, BSc, BCST, BLibStud, BResEc, BScScSc, BE, BEd, BPsysch, BSW, BArch, Study Abroad, Exchange, plus some specialist and combined degree courses. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
Faculty of Education

SCHOOL OF DEVELOPMENT AND LEARNING

Faculty contact
Ms Anne Badenhop Ph 9351 6216 Fax 9351 2606
Email a.badenhop@edfac.usyd.edu.au
Address Room 441, Education Building

EDPD5001  Students with Special Educational Needs

6 credit points Fees: $1500 Runs: 07/01/02-10/01/02 Assessment due date TBA
Contact hours per week: 26 hours total Proposed Timetable: M-Th 9-4

An introduction to the study of the psychology, development and learning requirements of students with special needs, such as may result from intellectual, physical, chronic illness, communication, sensory, learning disabilities and/or emotional disturbance, including students who are gifted and talented but also have such additional special needs. In order that students develop skills of critical review and analysis, principles of research design and statistical analysis will be explicated through the examination of theoretical and research literature in the field.

Prerequisites  An undergraduate degree
Assessment Seminar paper involving a review of theoretical and research literature and a research interpretation and evaluation critique
Lecturer Ms Alexandra Rivers / Ms Colleen Hawkins Ph 9351 6259
Email a.rivers@edfac.usyd.edu.au

EDPD5017  Gifted and Talented: Psychological & Developmental Perspectives

6 credit points Fees: $1500 Runs: 15/01/02-18/01/02 Assessment due date TBA (P) (A)
Contact hours per week: 26 hrs total Proposed Timetable: Tu-F 9-4

This unit investigates "giftedness" and "talent" by reviewing theory and research relating to the psychology and development of individuals with exceptional abilities. Models of intelligence and giftedness are evaluated, and issues related to conceptualisation and identification raised. Cognitive and creative processes, intellectual, socio-emotional, physical and moral development characteristics of standard and under-served populations, and problems in development and adjustment are reviewed. Students should develop specialist knowledge in the field, including that of the circumstances which optimise the development of exceptional abilities, an enhanced understanding of individuals with such abilities, and improved skills of intervention. This should enable them to more skilfully foster special abilities in children, and advocate more credibly for the needs of gifted children.

Note: EDPD5018 and EDPZ6730 will be offered in Winter School. These four units of study (Summer and Winter) can comprise the Graduate Certificate in Education Studies.

Prerequisites  An undergraduate degree
Assessment TBA
Lecturer As for EDPD5001

Award courses EDPD units may be counted to: GradDip Educational Studies, GradCert Educational Studies, MEd (Special Education). See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
Faculty of Engineering

<table>
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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>ENGG2007</td>
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<td>2</td>
<td>$700</td>
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<tr>
<td>ENGG2004</td>
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<td>ENGG2008</td>
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<td>ENGG2005</td>
<td>Engineering Studies D</td>
<td>8</td>
<td>$2800</td>
<td>02/01/02-19/02/02</td>
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Proposed Timetable: An individual program will be developed to ensure that the student has the opportunity to take other needed subjects.

Departmental approval required.

These four elective units of study in chemical and electrical engineering are available to students in the summer. Many overseas students commence their studies in the second semester of the academic year. In such cases, it is advantageous for students to undertake additional units of study during the summer period to allow them to fit more easily into the BE degree program in the following year. These elective units serve as generic units of study replacing units usually offered during first and/or second semester. Prior written approval from the Head of the relevant Department/School in which the replaced unit of study is normally given is required before enrolment.

These units of study will involve a major project in an area of engineering within the student's discipline. The project may be supplemented by directed learning and related assignments as required. The syllabus will be determined after consultation with the students. Contact the Faculty office for information.

**Prerequisites**

Departmental approval required

**Assessment**

An individual assessment program will be developed to ensure that the student meets a standard consistent with those of the Faculty of Engineering.

Award courses this may be counted to: BE and combined BE degrees. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
Linear Programming (Part 1): Many decisions taken in industry and commerce involve the need to maximise or minimise quantities (such as profit, wastage, distance travelled) subject to certain conditions (such as availability of raw materials, production capacities). Linear programming is an important technique for solving such optimisation problems. The unit will discuss the mathematical formulation of these problems, graphical solutions, the simplex algorithm (with and without artificial variables), and duality. Some of the tutorials will use Matlab. Boundary Value Problems (Part II): This is an introduction to the numerical solution of boundary value problems for differential equations. A selection of problems in ordinary, elliptic and parabolic differential equations will be solved using the shooting method, the method of finite differences and the method of lines. Computation will be performed in Matlab.

**Prerequisites**

MATH 1001 or 1901 or 1906 and MATH 1002 or 1902 and MATH 1003 or 1903 or 1907. MATH 2001 or 2901 and MATH 2002 or 2902 are strongly advised. It is strongly advised that MATH2052 be taken concurrently with this unit.

**Assessment**

1 hr examination, assignments, laboratory work, participation

**Texts**

Course notes: Choo, K-G. and Henderson, J., Lecture Notes for Linear Programming; Ivers, DJ. and James, RW. Boundary Value Problems Lecture Notes.

**Departmental contact**

Dr Adrian Nelson Ph 9351 5779 Fax 9351 4534 Email adriann@maths.usyd.edu.au
Address School of Mathematics and Statistics, Carslaw Building, F07

Numerical Methods (Normal)

2 credit points Fees: $500 Runs: 04/01/02-08/02/02 Exam: 15/02/02 Contact hours per week: 4 Proposed Timetable: F 8-10, 1-3

This option is an introduction to the theory and techniques of numerical approximation and analysis. The unit is heavily computer oriented and gives students individual programming practice featuring MATLAB.


**Prerequisites**

MATH1001 or 1901 or 1906 and MATH1002 or 1902 and MATH1003 or 1903 or 1907. MATH2001 or 2901 is strongly advised.

**Assessment**

1 hr examination, assignments, laboratory work, participation

**Texts**

Galloway D J and Macaskill C. Numerical Methods, School of Mathematics and Statistics 2001

**Departmental contact**

As for MATH2051

Award courses these MATH units may be counted to: BE and combined BE courses. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
3 credit points  Fees: $1050  Runs: 07/01/02-22/02/02  Contact hours per week: 7

Proposed Timetable: Flexible, depending on staff, student and client availability

Students continue in the on-campus clinic, working with two or more child clients generally with articulation/phonological disorders or stuttering. Students also attend supervisory conferences with their clinical educators and other students.

Prerequisites
CSCD2048 Introductory Speech Pathology Clinical 1 (12296), CSCD2043 Stuttering (12291)

Assessment
Assessment of Clinical Competence to be conducted at mid and end of placement. Submission of clinical hours log sheet and clinical educator evaluation form.

Lecturer
Dr Michelle Lincoln Ph 9351 9430 Fax 9351 9173
Email M.Lincoln@cchs.usyd.edu.au
Address: School of Communication Sciences and Disorders, PO Box 170, Lidcombe, 1825

Award course this may be counted to: Bachelor of Applied Science, Speech Pathology.
Faculty of Law

Faculty address  Law School (C13), 173-175 Phillip St, Sydney

EARLY BIRD DISCOUNT: ENROL EARLY AND PAY 10% LESS - Enrol in any of the units of study offered by the Faculty of Law in The Sydney Summer School BEFORE 5pm on Friday 23 November and you will pay ONLY 90% of the full tuition fee.

Please note: Because of the substantial amounts of reading required for all law units, students are advised to think carefully about their commitments during the summer school period. It would be a very heavy workload to attempt two units. If you are combining work with study, or have other commitments over the summer, it is recommended that you undertake only one unit.

LAWS1000 Legal Institutions (LLB students)

6 credit points

OR

LAWS1006 Legal Institutions (Combined Law students)

6 credit points  Fees: $2130 (Early bird $1915)  Runs: 02/01/02-27/02/02
Contact hours per week: 8  Proposed Timetable: M, W 10-12 & 2-4

Provides a foundation core for the study of law. We aim to provide a practical overview of the Australian legal system, an introduction to the skills of legal reasoning and analysis which are necessary to complete your law degree, and an opportunity for critical engagement in debate about the role of law in our lives. We will introduce students to issues such as: the development of judge made and statute law; the relationship between courts and parliament; the role and function of courts, tribunals and other forms of dispute resolution; understanding and interrogating principles of judicial reasoning and statutory interpretation; key aspects of legislative process; the relationship between law, government and politics; the law reform process in action; and what are rights in Australian law, where do they come from and where are they going. We will have a particular focus on indigenous Australia in exploring many of these issues, for example through the landmark Mabo decision.

Prerequisites
This unit counts towards a law degree if the student is enrolled in law or a combined law degree. Only with the express permission of the Faculty in which the student is currently enrolled, may it be count as an elective towards any other degree. If you wish to take this unit and are not currently enrolled in law or a combined law degree please consult the Director of The Sydney Summer School.

Assessment
Case assignment part 1 week 2 1,500-1,800 words (20%), Case assignment part II week 5 2,000-2,500 words (30%), Essay (due after conclusion of teaching) 2,000-2,500 words (30%), Class work (20%)

Texts
Laying Down the Law, 5th Ed. plus course materials

Advanced reading
Chapters 1-3 of text.

Lecturer
Ms Jenni Millbank  Ph 9351 0318  Fax 9351 0200  Email jennim@law.usyd.edu.au
Contract law provides the legal background for transactions involving the supply of goods and services and is, arguably, the most significant means by which the ownership of property is transferred from one person to another. It vitally affects all members of the community and a thorough knowledge of contract law is essential to all practising lawyers. In the context of the law curriculum as a whole, Contract Law provides background which is assumed knowledge in many other units. The aims of the unit are composite in nature. The central aim is to provide an understanding of the basic principles of the common law and statutes applicable to contracts. A second aim is to provide students an opportunity to critically evaluate and make normative judgments about the operation of the law. As Contracts is basically a case law unit, the final aim of the unit of study is to provide experience in problem solving through application of the principles derived from decided cases. Successful completion of this unit of study is a prerequisite to the option Advanced Contracts.

### Prerequisites
Legal Institutions (LAWS1000/1006). Only available to enrolled Law students.

### Assessment
1 x 3,000 word essay, 1 x 2hr exam, class participation

### Texts
- Carter & Harland. *Contract Law in Australia*, 3rd Ed.

### Lecturer
Dr Elisabeth Peden  Ph 9351 0233  Fax 9351 0200
Email elisabeth@law.usyd.edu.au

### Departmental contact
Mr Bernard Dunne  Ph 9351 0255  Fax 9351 0200
Email bernardd@law.usyd.edu.au
LAWS1010  Torts (2001 Combined Law students)

6 credit points

OR

LAWS1005  Torts (LLB students)

8 credit points

OR

LAWS3001  Torts (pre-2001 Combined Law students)

10 credit points  Fees: $2835 (Early bird $2550)  Runs: 03/01/02-12/02/02  Exam: 19/02/02
Contact hours per week: 8  Proposed Timetable: Tu, Th 10-12 & 2-4

This is a general introductory unit of study concerned with liability for civil wrongs. The unit seeks to examine and evaluate, through a critical and analytical study of primary and secondary materials, the function and scope of modern tort law and the rationale and utility of its governing principles. Particular topics on which the unit will focus include: (a) The relationship between torts and other branches of the common law including contract and criminal law; (b) The role of fault as the principal basis of liability in the modern law; (c) Historical development of trespass and the action on the case and the contemporary relevance of this development; (d) Trespass to the person (battery, assault, and false imprisonment); (e) Interference with goods (trespass, detinue and conversion) (f) Trespass to land; (g) The action on the case for intentional injury; (h) Defences to trespass, including consent, intellectual disability, childhood, necessity and contributory negligence; (i) Development and scope of the modern tort of negligence, including detailed consideration of duty of care, breach of duty, causation and remoteness of damage and assessment of damages; (j) Injuries to relational interests, including compensation to relatives of victims of fatal accidents; (k) Concurrent and vicarious liability; (l) Defences to negligence; (m) Breach of statutory duty; (n) Nuisance; and (o) Liability for animals.

Prerequisites  None. Only available to enrolled Law students.
Assumed Knowledge  Legal Institutions
Assessment  Class work (20%), 2 x 1,000 word assignments (30%), 1 x 2hr open book examination (50%)
Advanced reading  Fleming ppl-29 and Swanton pp1-12
Lecturer  Dr John Ball  Ph 9351 0245  Fax 9351 0200
Email johnb@law.usyd.edu.au
LAWS2004  Equity

8 credit points  Fees: $2835 (Early bird $2550)  Runs: 02/01/02-05/02/02  Exam: 18/02/02
Contact hours per week: 10 (plus 1 x 2hr intro session)
Proposed Timetable: M, T 9-12 & 2-4. Intro session: W 02/01/02 2-4.

An appreciation of equitable principles and remedies is fundamental to understanding the Australian legal system. This unit of study explains the origins of the equitable jurisdiction and examines its role today. A substantial part of the unit is dedicated to study of the law of trusts, including remedial constructive trusts. Other topics include dealings with property in equity, fiduciary obligations, the doctrines of undue influence and unconscionable dealing, estoppel and equitable remedies.

Prerequisites  Contracts (LAWS1002). Only available to enrolled Law students.
Assessment  1 x compulsory problem question 1,500 words (25%), 1 x optional essay 2,500 words (25%), 1 x compulsory open-book examination - 2 questions in 2 hrs for 50% or 3 questions in 3 hrs for 75%
Advanced reading  Heydon & Loughlan, Chapter 1 and Parkinson Chapters 1 & 2.
Lecturer  Ms Joellen Riley  Ph 9351 0205  Fax 9351 0200  Email joellen@law.usyd.edu.au

LAWS2006  Litigation

8 credit points  Fees: $2835 (Early bird $2550)  Runs: 09/01/02*-25/01/02  Exam: 30/01/02
Contact hours per week: 18  Proposed Timetable: W, Th, F 9-1 & 2-4
'Collect the assignment question from Level 12, Law School on 02/01/02.

This unit of study seeks to provide a knowledge of the basic elements of civil and criminal procedure and evidence. The focus is primarily on civil litigation, but the unit of study will identify and describe the important differences in criminal litigation. Pre-trial procedures are studied including techniques for initiating litigation, limiting the issues for judicial decision, obtaining evidence to support a case and avoiding trial. Attention then turns to the trial itself. Rules governing forms of evidence, and the basic inclusionary and exclusionary rules of evidence, together with rules governing the burden and standard of proof are considered.

Prerequisites  Legal Institutions, Law, Lawyers and Justice, Criminal Law, Torts. Only available to enrolled Law students.
Assessment  2 x 1,500 word written assessments (see "advanced reading" below), 1 x 2hr open-book examination
Supplementary reading materials available from level 12, Law School
Advanced reading  See references under "required reading" in Litigation course outline.
Please note that the first assessment is due on 16 January 2002. The assignment question will be available for collection from Level 12 of the Law School on 2 January 2002.
Lecturer  Ms Miiko Kumar  Ph 8233 0300  Fax 9351 0200  Email miikok@law.usyd.edu.au
This unit aims to provide students with: an introduction to the legal regulation and supervision of banks and other Authorised Deposit-taking Institutions (ADIs); an understanding of the legal basis of the relationship between banks, ADIs and their customers, and an overview of the more common rights and duties which adhere to the banker/customer relationship; an introduction to negotiable instruments; and an introduction to some of the legal principles regulating debt finance. The unit covers aspects of banking and finance law at both the “consumer” and “commercial” level, while minimising overlap with existing courses on corporations law, securities, equity, contracts, real property and commercial transactions. The unit does not consider insolvency in any detail. Topics to be covered include: Legislative Regulation and Supervision of ADIs (banks and NBFIs); Legal Basis of Dealings between Banks/ADIs and their Customers; Appropriation, Combination, and Set-Off; Duties and Liabilities of Bankers & ADIs; Cheques; Bills of Exchange; An Introduction to Guarantees; Secured Debt: Fixed and Floating Charges; and “Digital money” and electronic payment systems.

Prerequisites
See Assumed Knowledge. Only available to enrolled Law students.

Assumed Knowledge
Students should have completed Contracts, Property and Equity.

Assessment
1 x optional non-redeemable research essay (40%) and/or 1 x optional non-redeemable assignment (30%); 1 x sit-down exam (1 or 2 questions) for balance of assessment

Texts
Tyree, A. Banking Law in Australia, Butterworths.

Lecturer
Dr Roger Magnusson Ph 9351 0211 Fax 9351 0200
Email rogerm@law.usyd.edu.au

Departmental contact
Mr Bernard Dunne Ph 9351 0255 Fax 9351 0200
Email bernarhd@law.usyd.edu.au

Award courses these LAWS units may be counted to: LLB and Combined Law. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
Faculty of Medicine

Department of Anatomy and Histology

**ANAT2001 Principles of Histology**

4 credit points  Fees: $1400  Runs: 02/01/02-07/02/02  Exam: TBA
Contact hours per week: 6 hours (Consists of a total of approx. 26 lectures and 29 hours of practical classes)  Proposed Timetable: Week 1: W, Th, F 10-5. Following weeks: Th 10-5.

This unit of study covers the principles of cell biology and study of the structure of cells, tissues and organ systems at the light and electron microscopic levels. Instruction will also focus on practical applications of histological techniques and analysis for research.

**Prerequisites**

12 credit points of junior Biology or Psychology or with permission of Head of Department

**Assessment**

1 hr theory and 1 hr practical exam

**Texts**

M H Ross, L J Romrell & G I Kaye, *Histology: A Text and Atlas*, 3rd Ed (Williams & Wilkens, 1995) (should be purchased before the first practical class). A Histology practical book will be provided before the first practical class.

**Lecturer**

Ms Robin Arnold and other Anatomy lecturers

**Departmental contact**

Ms Robin Arnold  Ph 9351 3955  Fax 9351 2813  Email ra@anatomy.usyd.edu.au  Address Room S224 or Main Office, Room S254, Anderson Stuart Building, F13

Award courses this may be counted to: BSc, BMedSc, BErSc, BScBA, BPcych, BSc/BCom, BLibStud. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
**SSSU0003 Introductory Anatomy**

4 credit points  Fees: $1400  Runs: 07/01/02-19/02/02  Exam: TBA

Contact hours per week: 18 (consisting of approximately 6 hours of lectures and 12 hours of practical work)  Proposed Timetable: M - W 10-5

The unit covers brain, spinal cord and peripheral nervous system, musculo-skeletal, and vertebral anatomy with particular reference to thoracic and abdominal walls and vertebral column, cardiovascular anatomy and pelvis and perineum. The urinary, reproductive, endocrine, respiratory and digestive systems are also studied. Consists of 7-10 lectures and 8-11 hours practical per week using prosected specimens, X rays, museum specimens and models of human tissues and organs.

**Note:** This unit is an alternative to ANAT2002 (BSc 2nd year intermediate). It will be accepted as an equivalent to ANAT2002 as a prerequisite for PHSI3001 Neuroscience & Anatomy and ANAT3004 Cranial & Cervical Anatomy, but not for ANAT3006 Forensic Osteology (except with permission of Head of Department).

**Prerequisites**

- 12 credit points of junior Biology or Psychology or with permission of the Head of the Department

**Assessment**

- 2 hr theory exam, 1 hr practical exam

**Texts**

- K L Moore, *Clinically Oriented Anatomy*. An anatomy atlas is also recommended.

**Lecturer**

- Ms Robin Arnold and other Anatomy lecturers

**Departmental contact**

- Ms Robin Arnold  Ph 9351 3955  Fax 9351 2813
- Email ra@anatomy.usyd.edu.au  Address Room S224 or Main Office, Room S254, Anderson Stuart Building, F13

Award courses this may be counted to: BSc, BLibStud and some other awards. Check with your Faculty. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.

**SSSU0004 Anatomy of the Head, Neck and Thorax by Dissection**

Fees: $4000  Runs: 01/02/02-15/02/02  Exam: TBA  Contact hours per week: 40 (total 80 hours for unit) plus orientation session  Proposed Timetable: M-F 9-5

This is an intensive unit conducted at postgraduate level. It covers the gross topographical anatomy of the head, neck and thorax by dissection. Emphasis is upon clinically and surgically oriented anatomy.

**Prerequisites**

- A medical or dental degree. Students will be required to thoroughly prepare the material given upon enrolling by Dr. Stewart as preparatory reading.

**Assessment**

- TBA

**Additional costs**

- Some arrangement may be made with the lecturer to access skull, cervical and thoracic vertebrae and ribs.

**Texts**


**Advanced reading**

- Please consult lecturer

**Lecturer**

- Dr. Fiona Stewart  Ph 9963 2469 (Pager)
- Email fstewart@anatomy.usyd.edu.au  Address Room S448, Anderson Stuart Building, F13
Please note: All units offered by The Faculty of Nursing have a limited number of places available. Some of the units offered also have a clinical component. Because of this very few places are available in these units. The fees for these units have been determined at a higher level in order to cover the costs of their provision.

Department of Clinical Nursing

Department of Clinical Nursing

6 credit points Fees: $2750 Runs: 03/01/02-22/02/02 Exam: 29/01/02 and 07/02/02
Contact hours per week: On campus 12 hr/wk. 2 weeks off campus clinical experience 28 hr/wk.
Proposed Timetable: On campus: M, Tu, Th 9-1. Off campus as arranged with clinical areas.

This unit of study provides an introduction to the nursing care required for individuals experiencing physical health breakdown. In preparation for this practice students will be introduced to basic principles of microbiology and the concepts of: inflammation/infection; trauma/surgery; comfort/measures and fluid imbalance. Students will participate in an off-campus clinical experience of two weeks’ duration. This clinical placement will provide the opportunity for students to combine the cognitive and psychomotor skills developed on-campus as well as the related theory of cross infection, microbiology and disease control.

Prerequisites

None. Faculty approval required for students not currently enrolled in the Bachelor of Nursing (Pre-Registration) course at this University.

Assessment

1 x integrated 3hr examination, 1 x Nursing assessment by simulation (NABS), competency-based clinical assessment

Texts


Departmental contact

Ms Grace Tague Ph 9351 0588 Fax 9351 0508 Email gtague@nursing.usyd.edu.au Address Faculty of Nursing, M02
In this unit of study, students are introduced to historical, philosophical and social construction perspectives on nursing practice. This unit of study encourages the development of reasoning, argumentation, evaluation and critical thinking processes. Students will be encouraged to appreciate the relevance of life-long learning, as well as develop an understanding of how history influences present practice.

Prerequisites
None. Faculty approval required for students not currently enrolled in the Bachelor of Nursing (Pre-Registration) course at this University.

Assessment
1 x seminar presentation and assignment, 1 x 2hr examination

Departmental contact
Ms Maureen Ahern  Ph 9351 0628  Fax 9351 0654
Email mahern@nursing.usyd.edu.au  Address Faculty of Nursing, M02

This unit of study will further develop the concepts introduced in Nursing 1B and 2B with particular emphasis on adults and older adults who have problems with alterations in homeostasis / regulation and mobility. This unit of study will also explore disabilities caused by long term problems and rehabilitation of people following physical health breakdown requiring nursing management in health care settings and in the community. Exploration of the above concepts will include cultural and indigenous practices, patient/nurse interface, patient responses to chronic illness, patient vulnerability, advocacy, health promotion, and research into practice.

Prerequisites
CLNU1001 and CLNU2004. Faculty approval required for students not currently enrolled in the Bachelor of Nursing (Pre-Registration) course at this University.

Assessment
1 x assignment, 1 x 2hr examination

Texts

Advanced reading

Departmental contact
Ms Cheryl Hyde  Ph 9351 0586  Fax 9351 0654
Email chyde@nursing.usyd.edu.au  Address Faculty of Nursing, M02
CLNU3011 Nursing Practice 3B

6 credit points  Fees: $2450  Runs: 03/01/02-03/03/02  Exam: 29/01/02 and 31/01/02
Contact hours per week: On campus 12 hr/wk. Off campus clinical experience - rostered hours as arranged with clinical areas.  Proposed Timetable: On campus: M, Tu, Th 9-1.

This unit of study provides students with the opportunity to extend and consolidate nursing practice in a variety of clinical settings. The additional focus on ethical issues provides essential knowledge for nursing and health care practice. Students will participate in an off campus clinical elective experience of four weeks' duration. This clinical placement is designed to enable students to consolidate nursing practice and to orient students to the reality of the workplace as members of the health care team. Students will be able to choose from electives in a variety of health care settings.

Prerequisites
Nursing Practice 1A, 1B, 2A, 2B & 3A. Faculty approval required for students not currently enrolled in the Bachelor of Nursing (Pre-Registration) course at this University.

Assessment
1 x integrated 2hr examination, 1 x nursing assessment by simulation (NABS), competency-based clinical assessment, 1 x assignment

Texts

Departmental contact
Ms Bev Wellington  Ph 9351 0676  Fax 9351 0508
Email bwellington@nursing.usyd.edu.au  Address Faculty of Nursing, M02

Award courses CLNU units may be counted to: BN, BN/BA, BN/BSc. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.

CLIN5001 Inquiry in Nursing

6 credit points  Fees: $2100  Runs: 10/01/02-07/02/02  Contact hours per week: 7
Proposed Timetable: Th 9-5

Nursing knowledge is generated through a process of inquiry into the practice of the discipline and by examining personal experience, research texts and journal articles. Critical analysis of these various modes of inquiry will be used to investigate nursing practice and/or matters of interest to nurses. Areas of nursing that require further inquiry to provide an evidence base for practice will be identified and explored. Opportunities will be provided to experience the inquiry process with reference to clinically related situations.

Prerequisites
None. Faculty approval required for students not currently enrolled in the Master of Nursing course at this University.

Assessment
2 x assignments

Departmental contact
A/Prof Sandra West  Ph 9351 0564  Fax 9351 0654
Email swest@nursing.usyd.edu.au  Address Faculty of Nursing, M02
The origins of nursing as an occupation and practice discipline will be explored with particular reference to the political, industrial, scholarly debates and assumptions surrounding the nature of knowledge and knowledge making in nursing and health care. Trends and influences that have shaped, and continue to shape nursing knowledge and practice patterns will be explored and possible futures discussed. Of particular interest will be the impact of postmodernism, the increasing use of technology in health care and new forms of information gathering and usage.

**Prerequisites**
None. Faculty approval required for students not currently enrolled in the Master of Nursing course at this University.

**Assessment**
2 x assignments

**Texts**
Book of readings

**Departmental contact**
Ms Jenni Blundell  Ph 9351 0524  Fax 9351 0654
Email jblundel@nursing.usyd.edu.au  Address Faculty of Nursing, M02

Award courses these CLIN units may be counted to: MN, GradDipNurs, GradDipMidwifery, GradCertN(ClinStud) . See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
This unit of study in Biochemistry and Molecular Biology is designed to provide a firm basis in the chemistry of life. Questions to be addressed include: What are the chemical structures of the components of living matter? How do their interactions lead to the assembly of organised macromolecules, cells, and multicellular tissues and organisms? How does living matter 'extract' energy from its environment? How are chemical reactions controlled inside living cells? Specifically, the unit of study will cover the following topics: structures of biological macromolecules (proteins, nucleic acids, and sugars); molecular morphology of cells; digestion, storage, and utilisation of dietary carbohydrate; biological catalysts (enzymes); generation of metabolic energy; metabolic adaptation during starvation, exercise, and diabetes.

Only available to students who are not taking this unit for the first time (unless with written approval from Head of Department).

**Prerequisites**
Available only to Pharmacy students. A first year Chemistry course or equivalent. BCHM2611 and 2612 may not be taken together in the Summer School without written departmental permission from Prof R Christopherson or his designated representative. Only available to students who are not taking this unit for the first time (unless with written approval from Head of Department).

**Assessment**
1 x 3 hr exam and assignments

**Texts**
M K Campbell, *Biochemistry*, 3rd Ed (Saunders, 1999)

**Lecturer**
Dr Michael Thomas and other lecturers

**Departmental contact**
Dr Michael Thomas  Ph 9351 2475  Fax 9351 4726  
Email summerschool@biochem.usyd.edu.au  
Address Room 610, Biochemistry Building, G08
This unit of study in Biochemistry and Molecular Biology is designed to provide a firm basis in the chemistry of life. Questions to be addressed include: What are the chemical structures of the components of living matter? How do their interactions lead to the assembly of organised macromolecules, cells, and multicellular tissues and organisms? How does living matter 'extract' energy from its environment? How are chemical reactions controlled inside living cells? How does an organism store and decipher the information it needs to grow and reproduce? Specifically, the unit of study will cover the following topics: genetic engineering and the genetic code — storage, utilisation, and control of genetic information (DNA); digestion, storage, and utilisation of dietary lipid and protein; generation of metabolic energy; metabolic adaptation during starvation, exercise, and diabetes; inherited disorders of metabolism; pharmaceutical intervention in metabolic pathways.

Only available to students who are not taking this unit for the first time (unless with written approval from Head of Department).

**Prerequisites**

Available only to Pharmacy students. A first year Chemistry course or equivalent and BCHM2611 or equivalent. Permission to enrol without both of the above and/or enrol in both BCHM2611 and 2612 can only be given by Prof R Christopherson or his designated representative. Only available to students who are not taking this unit for the first time (unless with written approval from Head of Department).

**Assessment**

1 x 3 hr exam and assignments

**Texts**

M K Campbell, *Biochemistry*, 3rd Ed (Saunders, 1999)

**Lecturer**

Dr Michael Thomas and other lecturers

**Departmental contact**

Dr Michael Thomas Ph 9351 2475 Fax 9351 4726 Email summerschool@biochem.usyd.edu.au Address Room 610, Biochemistry Building, G08

Award courses these BCHM units may be counted to: BPharm. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.

**School of Biological Sciences, Faculty of Science**

**BIOL1001 Concepts in Biology**

6 credit points Fees: $2010 See Faculty of Science section

**BIOL1003 Human Biology**

6 credit points Fees: $2010 See Faculty of Science section
This unit provides students with the concepts, knowledge and skills needed to design and implement a rural property plan that responds to the complex demands of sustainable development. Students will recognise the benefits of physical property planning, and learn how to weigh up the sometimes conflicting demands of environmental and economic goals in whole farm management. They will also critically reflect on the needs of the wider catchment ecosystem, and attempt to come to a balanced view on the role of agricultural production within a rural environment. Students will also prepare development plans for a specific property aimed at long term sustainability; then will demonstrate an ability to evaluate technical details for selected aspects of the plan.

**Prerequisites**
None

**Assumed Knowledge**
Some knowledge of agriculture, soils and plant systems is desirable

**Assessment**
Assessed via an assignment in which students develop a property plan. Students need to have access to a rural property.

**Additional costs**
Aerial photograph approx $200

**Texts**
Study materials provided by post. Enrol by 30 November for despatch in early December. Late enrolments risk late delivery of material.

**Advanced reading**
Web material will be available from mid-December

**Lecturer**
Basil Baldwin  Ph 02 6360 5562  Fax 02 6360 5590  Email bbaldwin@orange.usyd.edu.au  
Address The University of Sydney - Orange, PO Box 883, Orange NSW 2800
The main emphasis of this unit is on the development of skills to create a plan for the ecologically sustainable management of a rural property that meets the goals of the managers. Although it focuses on the farm, consideration is given to planning within a catchment context. The unit involves a "hands-on" field exercise in which students identify and evaluate a range of natural resource management issues. The biophysical resources of a property are appraised and an assessment is made of the impact of agricultural activities on the environment. You are challenged to create a plan for future development, which integrates issues associated with agricultural production, economics, natural resource management and personal aspirations within an ecological framework. Students are required to have access to a rural property and will need an aerial photograph of that property. This is a distance education unit. It is supported by print-based study notes, a WebCT presence, with on-line study notes that link to a wide range of learning resources. It includes a case study that clearly demonstrates the process of resource appraisal and planning. There is an on-line forum site for discussion of issues related to the unit and provision for private email. The unit is assessed via assignment/project work.

Prerequisites
None

Assumed Knowledge
Some knowledge of agriculture, soils and plant systems is desirable

Assessment
The unit is assessed via assignment/project work.

Additional costs
Aerial photograph approx $200

Texts
Study materials provided by post. Enrol by 30 November for despatch in early December. Late enrolments risk late delivery of material.

Advanced reading
Web material will be available from mid-December

Lecturer
Basil Baldwin Ph 02 6360 5562 Fax 02 6360 5590
Email bbaldwin@orange.usyd.edu.au
Address The University of Sydney - Orange, PO Box 883, Orange NSW 2800

Award courses this may be counted to: All Faculty of Rural Management postgraduate courses. Other students - check with your Faculty prior to enrolling. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
Faculty of Science

Department of Biochemistry

BCHM2001 Genes and Proteins

8 credit points

Note: This unit is only offered to students who are eligible for an exemption in the practical component of BCHM2001 or MBLG2001 - it is the equivalent of the 4 credit point theory component (BCHM2101).

BCHM2101 Genes and Proteins Theory

4 credit points  Fees: $1340  Runs: 03/01/02-08/02/02  Exam: 14/02/02

Contact hours per week: 7  Proposed Timetable: Th 9-11 & 12-2, F 9-11 & 12-1

The lectures in this unit of study introduce the main principles of biochemistry i.e. the molecular basis of life. In the beginning, the unit of study concentrates on proteins and, in particular, the mechanisms of action of enzymes in the light of what we know of their structures. The second half of the unit of study concentrates on nucleic acids (DNA and RNA) as the molecules of heredity and gene expression, and includes a section on DNA replication, transcription and translation. The processes of replication and transcription are highly controlled in multicellular organisms and these control mechanisms are discussed. The last section of the unit of study will describe how these processes are put together in a whole organism in order to maintain life. Particular emphasis will be put on the anabolism and catabolism of fuels under normal conditions and under conditions of feeding, starvation or exercise.

**Prerequisites**

A first year Chemistry course or equivalent. NOTE: BCHM2001 OFFERED ONLY TO STUDENTS WHO ARE ELIGIBLE FOR AN EXEMPTION IN THE PRACTICAL COMPONENT OF BCHM2001 OR MBLG2001. Those without lab exemption should enrol in BCHM2101.

**Assessment**

1 x 3 hr exam, 5 assignments

**Texts**


**Lecturer**

Dr Michael Thomas and other lecturers

**Departmental contact**

Dr Michael Thomas  Ph 9351 2475  Fax 9351 4726
Email summerschool@biochem.usyd.edu.au
Address Room 610, Biochemistry Building, G08
**BCHM2002 Molecules, Metabolism and Cells**

8 credit points

*Note:* This unit is offered only to students who are eligible for an exemption in the practical component of BCHM2002. It is the equivalent of the 4 credit point theory component (BCHM2102).

**BCHM2102 Molecules, Metabolism and Cells Theory**

4 credit points  Fees: $1340  Runs: 02/01/02-06/02/02  Exam: 12/02/02

**Contact hours per week:** 7  **Proposed Timetable:** Tu 9-11 & 12-2, W 9-11 & 12-1

This unit of study aims to describe how cells work at the molecular level. The chemical reactions which occur inside cells are described in the first series of lectures, Cellular Metabolism. Aspects of the molecular architecture of cells which enable them to function and communicate are described in the second half of the unit of study, Molecular Aspects of Cell Biology. At every stage the unit of study relates how the function of each individual cell is coordinated and integrated with other cells, especially in humans. Cellular Metabolism: How cells extract energy from fuel molecules like fatty acids and carbohydrates. The regulation of energy metabolism. How the body selects which fuels to use under different circumstances such as starvation and exercise. The metabolic inter-relationships of the muscle, brain, adipose tissue and liver. The role of hormones in coordinating the regulation of fuel utilisation and the mobilisation of fuel stores. How cells lay down stores of fuels. The synthesis and storage of fat and carbohydrate. The digestion of fats, starches and sugars and the use of ingested materials to make new cellular components. Synthesis and use of biochemical building blocks. The strategies and mechanisms involved in biochemical reactions and the involvement of coenzymes and vitamins in biological inter-conversions. Molecular Aspects of Cell Biology: Sub-cellular engineering; cytoskeleton and molecular motors. Intracellular motion and the mechanism of muscle contraction. Cell membranes and cell walls. Transport across cell membranes. Communication between cells via cell surface receptors. The molecular mechanism of hormone action and the transduction of cellular signals.

*Note:* These units are only offered to students who have successfully completed BCHM2001 or MBLG2001.

**Prerequisites**  A first year Chemistry course or equivalent AND BCHM2001/MBLG2001 or equivalent. Permission to enrol without both of the above can only be given by Prof R Christopherson or his designated representative.  **NOTE:**  BCHM2002 OFFERED ONLY TO STUDENTS WHO ARE ELIGIBLE FOR AN EXEMPTION IN THE PRACTICAL COMPONENT. Those without lab exemption should enrol in BCHM2102.

**Assessment**  1 x 3 hr exam, 5 assignments


**Lecturer**  Dr Michael Thomas and other lecturers

**Departmental contact**  Dr Michael Thomas  Ph 9351 2475  Fax 9351 4726  Email summerschool@biochem.usyd.edu.au  Address Room 610, Biochemistry Building, G08

Award courses these BCHM units may be counted to: BSc, BMedSc, BLibStud, BPsych, BNutr, BCST plus some specialist and combined degrees. See “Prerequisites, Assumed Knowledge and Academic Credit” in the General Information section and note that passing any unit does not guarantee admission to any award.
## BIOL1001 Concepts in Biology

| Prerequisites | None, but see assumed knowledge |
| Assumed Knowledge | HSC 2 unit Biology |
| Assessment | Summative quizzes, laboratory report, poster presentation, 1 x 2.5 hr exam |
| Departmental contact | Prof Ian Hume Ph 9351 2369 Fax 9351 4119 Email ianhume@bio.usyd.edu.au Address Room 324, Heydon-Laurence Building, A08 |

### Summary

'Concepts in Biology' is an introduction to the major themes of modern biology. Starting with interactions between organisms in biological communities, we move on to the diversity of microorganisms, plants and animals. This is followed by introductory cell biology, which particularly emphasises how cells obtain and use energy, and leads into an introduction to molecular biology through the role of DNA in protein synthesis and development. The genetics of organisms is then discussed, leading to consideration of theories of evolution and the origins of the diversity of modern organisms. It is recommended that this unit of study be taken before all other junior units of study in Biology.

## BIOL1003 Human Biology

| Prerequisites | None, but see assumed knowledge |
| Assumed Knowledge | HSC 2 unit Biology |
| Assessment | Summative quizzes, laboratory report, poster presentation, 1 x 2.5 hr exam |
| Departmental contact | Prof Ian Hume Ph 9351 2369 Fax 9351 4119 Email ianhume@bio.usyd.edu.au Address Room 324, Heydon-Laurence Building, A08 |

### Summary

This unit of study provides an introduction to human evolution and ecology, cell biology, physiology and anatomy, through both lectures and practical work. It begins with human evolution, human population dynamics and the impact of people on the environment. The unit of study includes human nutrition, distribution of essential requirements to and from the cells, control of body functions and defence mechanisms. After discussion of reproduction and development, it concludes with some controversial aspects of human genetics. It is recommended that Concepts in Biology be taken before this unit of study. This unit of study, together with BIOL 1001 or 1901, provides entry to Intermediate units of study in genetics and cell biology in the School of Biological Sciences and, with good performance or permission, the School's other Intermediate units of study.

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Award courses BIOL units may be counted to: BSc, BMedSc, BPharm, BEd, BA, BLibStud, BPsysch, BScT, BE, BResEc, BSW, BCom(LibStd), BCom plus some combined and specialist degrees. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
This unit of study introduces the fundamental skill that underlines all of Computer Science: computer programming. Using the Java object-oriented programming language, students learn modern programming techniques based on recent developments in the subject. No previous knowledge of computers or programming is assumed.

**Prerequisites**

Pre/Corequisite: Students intending to major in Computer Science are advised to enrol in Mathematics (1003 and 1004) or (1004 and 1005) or (1903 and 1904) or (1904 and 1905) in their first year. Prohibition: May not be counted with Computer Science 1901

**Assumed Knowledge**

HSC 3 unit Mathematics

**Assessment**

1 x 2hr exam (50%), 1 x individual lab project and 1 x group lab project (50% approx)

**Texts**


**Advanced reading**


**Lecturer**

Sacha Groves Email sacha@cs.usyd.edu.au

**Departmental contact**

Ms Shari Lee Ph 9351 4916 Fax 9351 3838 Email shari@cs.usyd.edu.au

Address Basser Dept of Computer Science, Madsen Building, F09

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This unit of study is a continuation of COMP1001. Advanced features of the programming language Java are presented, and a beginning is made on some topics from the wider field of Computer Science, such as parsing and reasoning about the correctness and efficiency of computer programs.

**Prerequisites**

COMP1001 or COMP1901 Prohibition: May not be counted with COMP1902

**Assessment**

50% exam, 50% practical (approximately)

**Texts**

Arnow and Weiss, *An Introduction to Programming Using Java* (Java 2 update) and Duke and Salzman, *Java Genesis* (don't purchase these until confirmed in December)

**Departmental contact**

Ms Shari Lee Ph 9351 4916 Fax 9351 3838 Email shari@cs.usyd.edu.au

Address Basser Dept of Computer Science, Madsen Building, F09
**COMP2004 Programming Practice**

4 credit points  Fees: $1220  Runs: 02/01/02-12/02/02  Exam: 13/02/02


Prac: M, W 3.30-5, F 11.30-1

In this unit of study we attack the task of the programmer from an engineering viewpoint. This means that a major focus is on using existing tools as building blocks to complete a task. This unit of study will teach C++ programming, its idiom and its considerable array of powerful programming tools. In addition, students will study the implementation of some of the library tools so that they gain an appreciation of how much better these are than a typical programmer would be able to create. In addition, it will introduce students to some of the very elegant ideas from computer science that have been applied in the construction of the tools. [See prerequisites for Senior Computer Science units of study - consult Departmental Handbook.]

**Prerequisites**

COMP1002 or COMP1902 or with permission of Head of Department.

**Assessment**

40% assignments, 60% exam (approximately)

**Lecturer**

Kevin Pulo  Ph 9351 4459  Fax 9351 3838  Email kev@cs.usyd.edu.au

Address Basser Dept of Computer Science, Madsen Building, F09

**Departmental contact**

Ms Shari Lee  Ph 9351 4916  Fax 9351 3838  Email shari@cs.usyd.edu.au

Address Basser Dept of Computer Science, Madsen Building, F09

Award courses COMP units may be counted to: BCST, BE, BSc, BA, BDesComp, BCom, BLibStud, BEc, BSocSc, Exchange, Study Abroad, BEc(SocSc), BMedSc plus some specialist and combined degree courses. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.

**INFO1000 Information Technology Tools**

6 credit points  Fees: $1830  Runs: 03/01/02-12/02/02  Exam: 14/02/02

Contact hours per week: 12  Proposed Timetable: M 9-10, Tu 2-3. Tutorial: M 10-11, Tu 3-4.

Prac: M 11-1, Tu 4-6; Th 12-2, F 12-2.

A critical study of common computer applications (including word processors, spreadsheets, databases, image processing packages and web browsers). Emphasis will be given to acquiring a sophisticated level of skills in the usage of these tools. This will include: examining common concepts within and between classes of applications, the ability to transfer skills between releases and alternative packages, customisation and automation of environments, and the ability to design solutions to problems and use a tool to implement that solution. A central focus of this unit of study will be the application of critical thinking to the problems of tool use, including the evaluation of tools and the selection of a suitable tool, and the evaluation of information produced by tools (including knowledge of common sources of error or misunderstanding, and ways to avoid them). NOTE: Students intending to proceed to professional credentials in Computer Science should enrol in COMP1001 in their first semester, and in COMP1002 in their second semester. If they wish they may also enrol in INFO1000.

**Prerequisites**

None

**Assessment**

TBA

**Departmental contact**

Ms Shari Lee  Ph 9351 4916  Fax 9351 3838  Email shari@cs.usyd.edu.au

Address Basser Dept of Computer Science, Madsen Building, F09
The syllabus covers data-centred, process-oriented and object-centred methodologies for requirements analysis and system description to address organisational needs, including the gathering of facts, diagnosis of problems, recommendation of appropriate and feasible solutions. A CASE tool will be used to develop practical skills.

Prerequisites
Qualifying: INFO 1000 or (COMP1000 or 1001 or 1901 or COMP1002 or 1902). Prohibition: May not be counted with COMP 2000.

Assessment
Written and practical assignments + written exam.

Texts
Hawryszkiewycz, I. Systems Analysis and Design.

Department of Mathematics and Statistics
You may be eligible to take more than two units of study in Mathematics and Statistics- see Study Load in the General Information section, page 4.

Prerequisites
HSC 3 unit Mathematics

Assessment
1.5 hr examination, assignments/quizzes, participation

Texts
MATH 1002 Linear Algebra

3 credit points  Fees: $750  Runs: 07/01/02-12/02/02  Exam: 18/02/02
Contact hours per week: 6  Proposed Timetable: M l-3,Tu 8-10 & 1-3

MATH 1002 is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. This unit of study introduces vectors and vector algebra, linear algebra including matrices, determinants, eigenvalues and eigenvectors.

Prerequisites
HSC 3 unit Mathematics

Assessment
1.5 hr examination, assignments/quizzes, participation

Texts
Lecture Notes for MATH 1002/1902: Linear Algebra, 6th Ed (School of Maths and Stats, University of Sydney, 2001).

MATH 1003 Integral Calculus and Modelling

3 credit points  Fees: $750  Runs: 02/01/02-07/02/02  Exam: 14/02/02
Contact hours per week: 6  Proposed Timetable: W 10-12,Th 8-10 & 1-3

MATH 1003 is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. This unit of study first develops the idea of the definite integral from Riemann sums, leading to the Fundamental Theorem of Calculus. Various forms of integration are considered, such as integration by parts. The second part is an introduction to the use of first and second order differential equations to model a variety of scientific phenomena.

Prerequisites
MATH1001 or MATH1901 or HSC 4 unit Mathematics

Assessment
1.5 hr examination, assignments/quizzes, participation

Texts

MATH 1004 Discrete Mathematics

3 credit points  Fees: $750  Runs: 03/01/02-08/02/02  Exam: 15/02/02
Contact hours per week: 6  Proposed Timetable: Th 3-5, F 8-10 & 1-3

MATH 1004 is designed to provide a thorough preparation for further study in Mathematics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirements in the Faculty of Engineering. This unit provides an introduction to fundamental aspects of discrete mathematics, which deals with 'things that come in chunks that can be counted'. It focuses on the enumeration of a set of numbers, viz. Catalan numbers. Topics include sets and functions, counting principles, Boolean expressions, mathematical induction, generating functions and linear recurrence relations, graphs and trees.

Prerequisites
HSC 3 Unit mathematics

Assessment
1.5 hr examination, assignments/quizzes, participation

Texts
MATH1005 Statistics

3 credit points  Fees: $750  Runs: 07/01/02-12/02/02  Exam: 18/02/02
Contact hours per week: 6  Proposed Timetable: M 10-12 & 3-5, Tu 10-12

MATH1005 is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. This unit offers a comprehensive introduction to data analysis, probability, sampling, and inference including t-tests, confidence intervals and chi-squared goodness of fit tests.

Prerequisites  HSC 2 unit Mathematics
Assessment  1.5 hr examination, assignments/quizzes, participation

MATH1015 Life Sciences Statistics

3 credit points  Fees: $750  Runs: 07/01/02-12/02/02  Exam: 18/02/02
Contact hours per week: 6  Proposed Timetable: M 10-12 & 3-5, Tu 10-12

MATH1015 is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. This unit offers a comprehensive introduction to data analysis, probability, sampling, and inference including t-tests, confidence intervals and chi-squared goodness of fit tests.

Prerequisites  HSC 2 unit Mathematics
Assessment  1.5 hr examination, assignments/quizzes, participation

MATH2001 Vector Calculus and Complex Variables

4 credit points  Fees: $1000  Runs: 03/01/02-12/02/02  Exam: 14/02/02
Contact hours per week: 8  Proposed Timetable: Tu 8-10 & 1-3, Th 10-12 & 3-5

The first section of this unit is a study of functions of several variables from a vector point of view. It builds on the work covered in the calculus and vector components of junior mathematics. Vector calculus is indispensable as a mathematical tool for the study of various physical phenomena in many areas of science and engineering.

Topics include: Line integrals, multiple integrals, surface integrals, conservative fields, divergence, curl, flux, and the theorems of Green, Gauss and Stokes. The second part of the unit is an introduction to the theory of functions of complex variables, often considered as one of the most elegant theories of mathematics. The emphasis is on integration, and topics include: The Cauchy-Riemann conditions, contour integration, Cauchy's Integral Theorem and Cauchy's Integral Formula, residue theory and its application to evaluating certain real integrals. This unit is a prerequisite for MATH 2004, and is good preparation for MATH 2005, 2007, 3003, 3008 and 3010.

Prerequisites  MATH1001 or 1901 or 1906 and MATH1002 or 1902 and MATH1003 or 1903 or 1907
Assessment  2 hr examination, assignments/quizzes, participation
Texts  S Britton and K G Choo, Lecture Notes for Vector Calculus and Complex Variables (School of Maths and Stats, 2001)
**MATH2002 Matrix Applications**

4 credit points  Fees: $1000  Runs: 02/01/02-11/02/02  Exam: 13/02/02
Contact hours per week: 8  Proposed Timetable: M 8-10 & 1-3, W 10-12 & 3-5

This unit is a continuation of the first year Linear Algebra module MATH1002 and deals with vectors and matrices in a more general setting. Along with the theoretical study of vector spaces, the unit also contains examples of how the theory is applied to problems of interest in scientific and engineering disciplines. There are weekly computer-based lab sessions, which supplement the regular face-to-face tutorials. No previous knowledge of computers is required. Topics for the lectures will be selected from: Systems of linear equations; existence and uniqueness of solutions, LU factorisation, partial pivoting, residual correction. Vector Spaces: linear combinations, linear independence, spanning sets, basis, dimension, fitting polynomials to data sets, linear transformations, change of basis, kernel and image. Eigenvalues and eigenvectors: similarity, diagonalisation, applications to population distribution problems, difference equations, linked differential equations, iterative methods for calculating eigenvalues/eigenvectors and solutions of linear systems. This unit follows on from junior units in linear algebra, and is a prerequisite for MATH 2008. It is good preparation for MATH 2010, 3002, 3003, 3006 and 3007.

**Prerequisites**
MATH1002 or MATH1902 or Distinction in MATH1012

**Assessment**
2 hour examination, assignments/quizzes, participation

**Texts**
*Lecture Notes for Matrix Applications MATH2002*
(School of Maths and Stats, 2001)

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**MATH2005 Fourier Series and Differential Equations**

4 credit points  Fees: $1000  Runs: 03/01/02-12/02/02  Exam: 14/02/02
Contact hours per week: 8  Proposed Timetable: Tu 10-12 & 3-5, Th 8-10 & 1-3

In the Fourier Series segment, periodic phenomena such as wave motion are given a systematic treatment. The basic problem is to represent a periodic function of one variable as the sum of an infinite series of sines and cosines. The theory has extensive applications in engineering, acoustics, internal and surface waves in fluids, etc., as well as in pure mathematics. Then a review of first order equations is followed by a systematic treatment of second order equations using the methods of variation of parameters, undetermined coefficients and the theory of Laplace Transforms. Linear systems of differential equations are treated using matrices and vectors. The final part of the unit of study deals with partial differential equations with the emphasis on the application of the method of separation of variables to first and second order linear equations and on Laplace transforms for initial value problems.

**Prerequisites**
MATH1001 or 1901 or 1906 and MATH1002 or 1902 and MATH1003 or 1903 or 1907

**Assessment**
2 hour examination, assignments/quizzes, participation

**Texts**
Graph Theory is a branch of discrete mathematics. Discrete mathematics deals with objects which are "discrete" or "separate", such as the natural numbers, or subsets of a set - in contrast to areas of mathematics which deal with continuous things, such as the real numbers. In graph theory the objects are graphs, which are sets of point and edges (not graphs of functions). Graph theory has widespread applications in almost every branch of science, and particularly in computer science and engineering. Topics covered include: Eulerian and Hamiltonian graphs; the theory of trees (used in the study of data structures); planar graphs; the study of chromatic polynomials (important in scheduling problems); maximal flows in networks; matching theory; activity networks; digraphs. Most importantly, Graph Theory is enormous fun, and in this unit you will see how it can be used to solve the "Instant Insanity" puzzle, the Konigsberg Bridge problem, and other famous problems of recreational mathematics. This unit is similar in flavour to Discrete Mathematics MATH1004/1904, but does not assume that students have taken that unit.

**Prerequisites**
6 credit points of Junior Mathematics
(at Distinction Level for Life Science Students)

**Assessment**
2 hr examination, assignments/quizzes, participation

Psychology is the study of the human mind and human behaviour and thus encompasses a wide range of topics. Psychology 1001 is an introduction to the main topics and methods of psychology, and is the basis for advanced work as well as being of use to those not proceeding with the subject. Psychology 1001 lectures cover the following areas: psychobiology; social psychology; personality theory; sensory processes; basic statistics and measurement; subject matter and method. A tutorial program involving small group activities, discussions, videos and interactive computer programs complements the lecture series.

**Prerequisites**
None

**Assessment**
1 x 1,000 word essay (20%), lx 30-minute tutorial test (15%), lx 3 hr exam (60%), 4 hrs optional involvement in experiments (5%).

**Texts**

**Departmental contact**
Ms Sadhana Raju  Ph 9351 5107  Fax 9351 2603
Email rajur@psych.usyd.edu.au
Address Room BR480, Griffith Taylor Building, A19

Award courses this may be counted to: BA, BSc, BPsych, BLibStud, BCST, BEd(SocSc), BEd, BCom(LibStd), BSocSc, BEd, BTeach, BDes, Study Abroad, Exchange, plus some specialist and combined degree courses. See "Prerequisites, Assumed Knowledge and Academic Credit" in the General Information section and note that passing any unit does not guarantee admission to any award.
what else is on during summer?

**Faculty of Architecture Art Workshop**  
January and February

You can study Photography, Etching, Oil Painting or Object Design (Wood) as a three or four credit-point unit of study (Faculty of Architecture, Art Studio 1 or 6). Classes will be full or half days for one or two weeks. Fees are set at $300 per credit point (subject to availability, these may be taken as Audit units). If you would like to count these units towards a degree other than Architecture, then please consult your faculty advisor. For full details, please visit our website at http://www.summer.usyd.edu.au.

**Biology Bridging Course**  
30 Jan to 5 Feb 2002

For students starting university who need HSC Biology as assumed knowledge for their studies.

**Physics Bridging Course**  
15 to 22 Feb 2002

For students starting university who need HSC Physics as assumed knowledge for their studies.

**Chemistry Bridging Course**  
Feb 6 to 14 (every week-day)

The course is aimed at those who have not completed HSC chemistry and is preparation for first year University Chemistry. The course will comprise 14 sessions, each session consisting of a 1-hour lecture followed by a 2 hour small group tutorial. Topics covered include: The Structure of Atoms, Compounds, Bonding, Chemical Equations, Chemical Calculations, The Periodic Table and Acids & Bases. Course fee: $220.

**Mathematics Bridging Courses**  
February

These courses, commencing in February 2002, are designed for people lacking the required mathematical background assumed for a course in which they wish to enrol. There are two different courses:

- **Mathematics Extension 1** is for people who have done Mathematics (2 unit) in the HSC and wish to enrol in a course that has an assumed knowledge of Mathematics Extension 1.

- **Mathematics (2 unit)** is for people who have not done Mathematics (2 unit) and want to study a subject for which Mathematics (2 unit) is assumed knowledge. The main content of this course will be an introduction to differential calculus and is suitable for those students who have studied General Mathematics at the HSC. Knowledge of Year 10 mathematics will be assumed.
This course, which commences in February 2002, is a preparatory course for students planning to undertake programs which require the study of statistics, such as Psychological Statistics, General Statistical Methods or degrees/diplomas in Public Health. The course is designed for people who lack confidence when faced with mathematical tasks or as a refresher for people who want to brush up on basic mathematical skills. The course includes: review of basic numerical and algebraic skills, including the solution of simple linear equations; use of a scientific calculator; introduction to concepts in probability and simple descriptive statistics, such as mean, standard deviation and correlation.

For further information about these Mathematics and Statistics courses contact the Mathematics Learning Centre.

Mathematics Learning Centre
phone 9351 4061
email MLC@mail.usyd.edu.au

The Compuware Computer Science School brings together talented young people who have completed Year 11 for an intensive week of computer programming and related activities at the Department of Computer Science. Students stay at a University college which will provide full board for the duration of the School. The summer school is sponsored by Compuware and the cost to the student will be approximately $200 per student. Information and application forms will be sent to all high schools in NSW in September and will also be available on www.cs.usyd.edu.au/~ccss.

For further information contact Weiying Wang.

phone 9351 4917
email weiying@cs.usyd.edu.au
website www.cs.usyd.edu.au/~ccss

The ASAS course is a four-week, intensive very advanced level program. It is not primarily for English, but rather to reinforce academic study skills. The University of Sydney recommends this program as preparation for those with unconditional or appropriate conditional offers for undergraduate or postgraduate study. We also welcome students planning to study at other universities.

We arrange study tours for small or large groups. Programs are designed to meet the needs of organisations such as government, professional groups, travel companies or student groups. We develop flexible full-time or part-time English programs that can include visits and excursions. We also arrange package tours which include English with holidays. You can indicate your own group tour needs and we will design you an appropriate program.

For further information about these English courses contact the Centre for English Teaching.

Centre for English Teaching
phone 9351 0706
email info@cet.usyd.edu.au
website www.usyd.edu.au/cet
The Faculty of Economics offers a broad range of postgraduate units of study both in the summer and at other non-traditional times during the year. These units normally form part of the various postgraduate degree programs in Commerce, International Business, Economics, Public Affairs, Public Policy, International Studies, Industrial Relations & Human Resource Management, Logistics Management, Transport Management and Marketing. They may be taken as part of those programs or as stand-alone units.

For further information
Graduate Office
phone 9351 6628
email graduate@econ.usyd.edu.au

The Summer School caters for rank beginners as well as advanced students; all levels of experience (or lack of it) are equally welcome. Intensive study of the Latin language - with plenty of reading, light and serious from different periods and genres - will be accompanied by talks from experts on topics of general interest. This very popular School, now in its seventh successful year, is designed to encourage rapid learning at all stages in a friendly, helpful environment. Registrations close 30 November, 2001.

For further information
phone 9484 1615
email ifmcleod@metspace.net.au

A two, four or six-week intensive Indonesian language and culture program run in Indonesia. It comes as a package and includes tuition, accommodation and meals. The two-week program costs $1225, four weeks - $1940 and six weeks - $2550. The Salatiga Program attracts a wide range of people including university students, HSC students, journalists, teachers, public servants and business people

For further information
Abbie Messiter, School of European, Asian and Middle Eastern Languages and Studies
phone 9351 3173
email Salatiga@asia.usyd.edu.au
Sydney Conservatorium Of Music Access Centre

2002 Summer Festival at the Con

Back by popular demand. The Sydney Conservatorium Access Centre again presents its summer celebration of intensive music making and performance workshops. Taking place in the third week of January, the annual Summer Festival at the Con offers courses for teachers, students and interested observers to learn more about performance, technique, repertoire and the latest developments in music pedagogy. The Summer Festival will be held in the newly renovated premises of the Sydney Conservatorium of Music in Macquarie Street Sydney.

Summer Piano Teachers Festival  Mon 14 & Tues 15 Jan

A professional development workshop in piano pedagogy, repertoire and current developments in music education led by the Conservatorium’s most highly respected pianists and teachers.

Summer Clarinet Festival  Thurs 17 & Fri 18 Jan

For clarinet students (minimum Grade 4) and woodwind teachers, this two-day festival of masterclasses, ensemble tutorials, informal demonstration lectures and concerts is presented by the leading teachers, examiners and musicians from the Sydney Conservatorium, the AMEB and the professional Sydney orchestras.

Summer Saxophone Festival  Wed 16 & Thurs 17 Jan

For classical saxophone students (minimum Grade 4) and woodwind teachers, this two-day festival of masterclasses, ensemble tutorials, informal demonstration lectures and concerts is presented by the leading teachers, examiners and musicians from the Sydney Conservatorium, the AMEB and the professional Sydney orchestras.

For further information on course details and fees contact Conservatorium Access Centre  phone 9351 1207, Fax 9351 1210  email access_centre@greenway.usyd.edu.au
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koori Centre - Indigenous Australia KOCR2100 - Tu, W, Th 9-1

Korea, Mass Media in - Mass Media in Korea ASNS2511 - Tu, Th 3-6

Languages - See French or Linguistics

Late enrolment

Law

Legal Institutions LAWS1000/1006 - M, W 10-12 & 2-4
Contracts LAWS1002 - M, W, Th 9-1
Torts LAWS1005/1010/3001 - Tu, Th 10-12 & 2-4
Equity LAWS2004 - M, T 9-12 & 2-4. Intro session: W 02/01/02 2-4.
Litigation LAWS2006 - W, Th, F 9-1 & 2-4
Banking and Financial Instruments LAWS3101

Learning Centre

Library

Linguistics - Language and Identity LNGS7109 - W, F 4-6

Map of campus

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Marketing

Marketing Research II MKTG3001 - M, W 1-4
Electronic Marketing MKTG3010 - M, Tu 10-12. Tut: Tu 2-4

Mathematics and Statistics - see also Engineering

Differential Calculus MATH1001 - W 8-10 & 1-3; Th 10-12
Linear Algebra MATH1002 - M 1-3, Tu 8-10 & 1-3
Integral Calculus and Modelling MATH1003 - W 10-12, Th 8-10 & 1-3
Discrete Mathematics MATH1004 - Th 3-5 F 8-10 & 1-3
Statistics MATH1005 - M 10-12 & 3-5, Tu 10-12
Life Sciences Statistics MATH1015 - M 10-12 & 3-5, Tu 10-12
Vector Calculus and Complex Variables MATH2001 - Tu 8-10 & 1-3, Th 10-12 & 3-5
Matrix Applications MATH2002 - M 8-10, 1-3 & W 10-12, 3-5
Fourier Series and Differential Equations MATH2005 - Tu 10-12 & 3-5, Th 8-10 & 1-3
Graph Theory MATH2009 - W 8-10, 1-3 & F 10-12, 3-5

Mathematics Learning Centre

Media Studies - Mass Media in Korea ASNS2511 - Tu, Th 3-6

Nursing

Inquiry in Nursing CLIN5001 - Th 9-5
History of Ideas in Nursing CUN5002 - Tu 9-5
Nursing Practice 1B CLNU1003 - On campus: M, Tu, Th 9-1, plus off-campus clinical
Professional Development 1 CLNU2006 - Tu, Th 9-12
Nursing 3B CLNU3007 - Tu, Th 9-12
Nursing Practice 3B CLNU3011 - On campus: M, Tu, Th 9-1, plus off-campus clinical

Object Design (Wood) - Art Workshop

Oil Painting - Art Workshop

Orange Agricultural College - See Rural Management

Parking on campus
Pharmacy/ Faculty of Proteins, Enzymes and Metabolism 1 BCHM2611 - Tu, Th 9-11 & 12-2. W, F 9-11 & 12-1 52
Metabolism 2 and Genes BCHM2612 - Tu, Th 9-11 & 12-2. W, F 9-11 & 12-1 53
See also Biological Sciences 58

Philosophy
Philosophy of Mind PHIL2213 - M, W 10-12,1-2 22
Philosophy and Psychoanalysis PHIL2226 - Tu, Th 10-12 and 12 22

Photography - Art Workshop 66

Political Economy - Economics as a Social Science ECOP1001 - W, F 9-12 36
Politics - See Political Economy, Government or Asian Studies

Postgraduate units of study
See individual unit listings in Architecture, Arts, Education and Rural Management
Postgraduate Economics see page 68

Prehistoric and Historical Archaeology
Introduction to Archaeology ARPH1001 - F 2-5pm, Sat & Sun 10am-4pm & Wed 24/01 2-5pm) 23

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Programming - See Computer Science

Psychology - See also Philosophy or Education

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Rural Management
Property and Catchment Planning RMMN2153 - Distance and online 54
Property and Catchment Planning RMMN6955 - Distance and online 55

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Science, Faculty of
See Biochemistry, Biological Sciences, Computer Science, Mathematics and Statistics or Psychology 56

Services - Student Services 9

Social Anthropology - See Anthropology

Social events during Summer School inside front cover

Speech Pathology
Introductory Speech Pathology Clinical II (12297) CSCD2049 - Flexible timetable 40

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Statistics - See Mathematics and Statistics or Econometrics

Statistics Bridging Course 67

Student Services 9

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