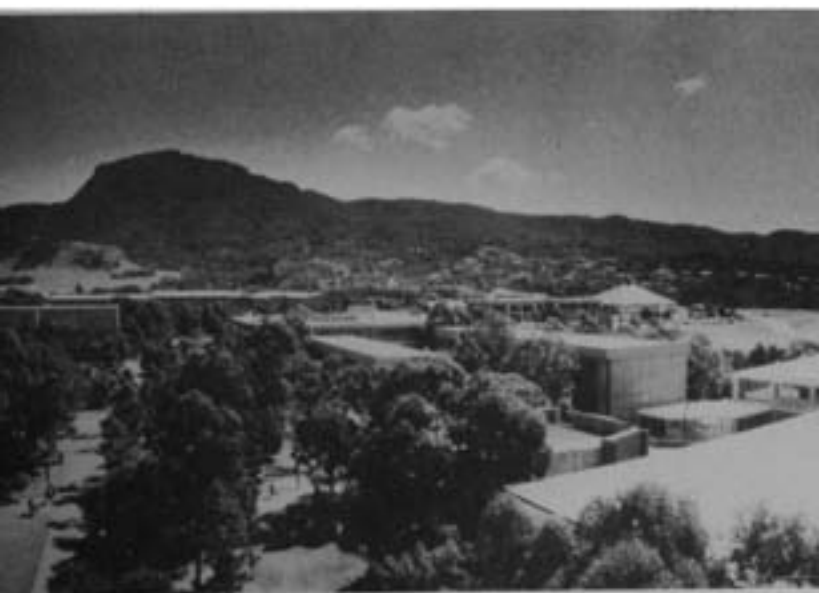


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**The University
of Wollongong**

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GENERAL INFORMATION

This booklet provides details of the courses to be offered by the University of Wollongong for its Summer Session programme in 1987/88. If after reading the booklet you have any further enquiries, please do not hesitate to come to the University Student Enquiry Office or phone the University on (042) 270927.

The booklet forms a supplement to the University Calendar and further details about the credit courses should be obtained from the Calendar.

SUMMER SESSION DATES – 1987/88

7/12/87 - 18/12/87 (2 weeks lectures)
22/12/87 - 1/1/88 (2 weeks recess)
4/1/88 - 5/2/88 (5 weeks lectures)
8/2/88 - 12/2/88 (1 week examinations)

WHAT SUBJECTS ARE AVAILABLE?

There will be two types of subjects on offer: credit and non-credit.

Credit subjects will normally be undertaken by those who are already enrolled at the University of Wollongong or at another tertiary institution. On successful completion of these subjects, students will be able to include them in the programme for their degrees or diplomas **only if the subject is included in the appropriate schedule for the degrees or diplomas - refer University Calendar**. These subjects will have normal assessment procedures (i.e. essays, seminars, examinations) and results will be given at the conclusion of these subjects.

If places are available in these subjects, people who are not enrolled at the University or at another tertiary institution may also be able to enrol in them.

Non-Credit subjects include a range of courses covering general interest subjects, bridging subjects, and so on. There will be no assessment for these subjects. *Tuition fees are payable for non-credit subjects.*

WHO CAN ENROL?

Generally speaking, all the subjects are open to any member of the community, whether qualified for University entrance or not, subject only to any pre-requisites being met for

particular subjects. Priority for the credit subjects will be given to those already enrolled at a tertiary institution who wish to count subjects towards their degrees.

Successful completion of a credit subject by someone who does not hold University entrance qualifications may be taken into consideration if that person later seeks admission to one of the degree or diploma courses available at the University as long as the Summer Session subject completed is appropriate to the degree/diploma for which admission is sought. Those intending to seek admission on the basis of completion of a Summer Session subject must see an appropriate Academic Adviser before enrolling in the Summer Session. However, prospective students seeking a place in a degree or diploma course in 1988 on the basis of Summer Session performance above, should be aware that it may be difficult to gain a place in 1988 due to (i) the imposition of quotas on many courses, and (ii) the timing of the end of the Summer Session (that is, after the offers of places have been made for 1988).

COSTS

- (i) All participants in the Summer Session will be required to pay a fee of \$12.00 for Associate Membership of the University Union. This fee will allow participants complete access to the Union's facilities including cafeteria, bistro, bar, squash, courts and other facilities. *Students who were enrolled at the University of Wollongong in 1987 will be exempted from this fee.*
- (ii) Fees are payable for credit and non-credit subjects. Details of the amounts payable for these subjects are listed at the end of the descriptions for each subject.
- (iii) No fees are payable for the credit subjects if they are being undertaken as part of a degree programme.
- (iv) Refunds of fees paid can not be made after the beginning of the Summer Session (i.e. after 7th December, 1987).

HOW TO ENROL

An enrolment form is included in this booklet. You are not required to send any money with this form; you will be advised later of the amount you will be required to pay for the subject(s) you have selected. Priority will be given to those who have applied by this date. Late applications will be considered if places are available.

WHERE TO STAY

Accommodation is available at International House, the University's Residential College. Please complete Section 3 on the enrolment form if you will require accommodation. Accommodation is also available at the many hotels, motels and camping areas in the Wollongong area.

CHILD CARE

Kids' Uni will be available during the Summer Session. If you will have need of such a service while you attend the Summer Session Courses, please indicate in the appropriate place on the Application Form. Fees are charged for this service on an hourly basis. Please phone the Centre (042) 270072 for further information.

PLEASE NOTE

At the time of preparation of this leaflet it is the intention of the University that all the subjects listed will be available in the 1987/88 Summer Session. However, the University reserves the right to withdraw any of the subjects if the number of applicants seeking to undertake particular subjects is not sufficient or for any other reason.

BRIDGING COURSES

MATHEMATICAL CONTENT OF FIRST YEAR UNIVERSITY PHYSICS

Many University students doing first year Physics have great difficulty with the mathematical descriptions of Physical Principles, despite the fact that the small amount of mathematics involved has been met by most students at High School. This concentrated course is intended to provide an opportunity for students to understand and gain confidence in the use of mathematics and the language of Physics, as required in first year Physics. Special attention is given to vector methods.

Mondays to Fridays 1.30 pm – 4.30 pm, for 2 weeks from
8 February, 1988
Fee: \$25

CONCEPTS OF PHYSICS

This course is designed for students who are thinking of taking physics for the first time, for those who have difficulty getting a clear overview of the subject, and for those who lack a feel for how to use the information in practical applications.

It will present the basic concepts and vocabulary in a relaxed and enjoyable manner designed to overcome the "fear of fisiks" commonly experienced by students with little previous exposure or previous lack of success in the subject.

Mondays to Fridays 1.30 pm – 4.30 pm, for 2 weeks from
7th December, 1987
Fee: \$25

BRIDGING COURSE IN CHEMISTRY

For high school leavers and others thinking of taking Chemistry at University this course will cover fundamental aspects of chemistry normally dealt with in high school Science.

Monday to Friday 9.30 am – 12.30 pm, for 2 weeks from
15 February, 1988
Fee: \$25

NON-CREDIT SUBJECTS

LEARNING SKILLS

HIGH PERFORMANCE LEARNING

The course will focus on learning skills required for success as a tertiary student and a life-long learner. You will learn to: Set your goals and achieve them comfortably; Identify your own preferred learning style and vary it when appropriate; Believe in your own ability to learn and your creativity; Take notes; Prepare an essay; Review for an exam; Eliminate exam nerves.

Weekends January 15, 16, 17

and/or February 5, 6, 7

Friday 6.00 pm – 8.00 pm

Sat/Sunday 10.00 am – 1.00 pm, 2.30 pm – 5.30 pm

Fee: \$50

ENGINEERING

MICRO COMPUTING FOR ENGINEERS

- *Fundamental concepts of programming in FORTRAN and BASIC languages
- *Use of Sperry PC facilities
- *Editing and Data files
- *Graphics
- *Engineering Applications

4 January – 13 February, 1988

6 hours per week

Fee: \$100

ADVANCED MICRO COMPUTING FOR ENGINEERS

- *Advanced programming in FORTRAN and BASIC languages
- *Use of Sperry PC facilities
- *Advanced graphics programming
- *Word processing
- *Database applications
- *Programming in DBASE III
- *Spreadsheet for engineers
- *Macro-programming on Lotus 1-2-3

4 January – 12 February, 1988

6 hours per week

Fee: \$100

LANGUAGES

INTRODUCTION TO ELEMENTARY JAPANESE I

This course is open to all students from any field who wish to study Japanese and Japanese thought patterns through studying the structure of the language.

Tuesdays, Wednesdays, Thursdays 9.30 am – 11.30 am, for 7 weeks from 7 December, 1987

Fee: \$50

CREDIT SUBJECTS

Please Note:

1. All of these courses run for the full seven weeks of the session, unless otherwise indicated.
2. Full details of these subjects are contained in the University Calendar.
3. Students should check that the subjects in which they intend to enrol are listed in the schedule of the degree/diploma in which they are currently enrolled. Failure to do so, may mean that credit points gained for a subject may not be able to be counted towards the degree/diploma.

COMPUTER APPLICATIONS

AICA 111: INTRODUCTORY COMPUTING

Credit Points: 6

As an introduction to the fundamentals of computing, this subject has two main objectives. It introduces the students to the techniques of structured programming using the BASIC I language, emphasising problem solving skills, top-down program design and good coding style. It also studies the principles of operation and the functional components of a modern computer system, providing a systematic framework to examine the interrelation between hardware and software, and the current trends in information technology.

Mondays, Wednesdays 9.30 am – 11.30 pm Lectures
11.30 am – 1.30 pm Tutorials

\$50, no fee is payable if subject is counted towards a degree or diploma.

HUMANITIES AND SOCIAL SCIENCES

STS140: REVOLUTIONS IN SCIENCE

Credit Points: 6

This subject, intended primarily for science, engineering and mathematics students, provides an introduction to the study of revolutionary changes in scientific theories. The subject will be taught through a series of historical case studies of major theoretical changes and revolutions. These will be selected from:

- (a) The Galilean revolution in physics;
- (b) The Chemical revolution of the 18th Century;
- (c) The Biological revolution (Darwin, Mendel, Watson and Crick);
- (d) The Einsteinian revolution;
- (e) The 'Continental Drift' revolution in Geology;
- (f) The Keynesian revolution.

Intellectual, philosophical, religious, social and political factors in scientific revolutions will be discussed.

Tuesdays, Thursdays 1.30 pm – 4.30 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

STS200: THE MYTH OF SCIENTIFIC METHOD: CONTEMPORARY PERSPECTIVES ON KNOWLEDGE AND OBJECTIVITY

Credit Points: 8

Pre-requisite: Any 100-level subject

This course, primarily intended for students who have completed STS112, STS122 or STS140, will provide an understanding of the social nature of scientific practice and scientific knowledge. It has long been assumed scientific knowledge derives its particular status because it is based on an unchanging objective method. Hence, any knowledge-claim, from any field of human endeavour, which does not arise from the application of the method is not regarded as scientific. However, recent developments in the history and philosophy of science have cast doubt upon the belief in the existence of such a universal method. This course will critically assess these new developments with reference to such issues as: the construction of scientific 'facts', the social character of experiment and observation, the social and political role of scientific method, and the social and political process of theory change.

Tuesdays, Thursdays 9.30 am – 12.30 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

STS211: THE POLITICS OF WAR AND PEACE

Credit Points: 8

Pre-requisite: Any 100-level subject

This course will consider the changing character of war and peace in the 20th Century, particularly in relation to the enormous technological advances made in war technology, and the novel forms of organisation of the state introduced this century. Topics to be studied include: war in industrial societies; the political role of war in the 20th Century; the history of military technology in the 20th Century; arms races, balances of power and bloc formation; total war and the absolute weapon; neutrality, alignment and balances of power; non nuclear and non military defence; and implications for Australia.

Mondays, Wednesdays 2.30 pm – 5.30 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

STSS220: TECHNOLOGY AND THE MODERN INDUSTRIAL STATE (B)

Credit Points: 8

Pre-requisite: Any 100-level subject

The contemporary social system of science and technology in the industrially advanced countries (capitalist and socialist) has two distinguishing characteristics. Firstly, the process of development and application of technology has become highly differentiated, specialised and capital intensive, involving scientists and engineers with diverse skills in the research and development (R and D) laboratories of industry, the universities and government. Secondly, R and D activities are undertaken in relation to three, inter-related objectives: the survival and development of industry, the development of military weapons, and the development of prestigious 'high technology' (e.g. nuclear, space, aircraft, advanced electronics).

Topics include patterns of industrial innovation and their contribution to industrial growth, the emergence of science-based industries, the rise of science-based industries, the military-industrial complex, technology and war, growth of State involvement in the support and direction of technology, post-industrial society, social effects of technological change.

Mondays, Wednesdays 9.30 am – 12.30 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

STS228: COMPUTERS IN SOCIETY

Credit Points: 8

Pre-requisite: Any 100-level subject

This course examines the development, role and implications of computers in contemporary and future society. Issues to be examined include the history of computing, the development of computers through mechanical, valve, transistor and integrated circuit technology; defence and space programs as catalysts for development; applications of computers in corporate decision-making; government planning, education and health-care; automation, robotics, information processing, databanks; implications for privacy and surveillance; the nature of work, employment, social management and control; the power of the State; machine intelligence and human identity.

Tuesdays, Thursdays 9.30 am – 12.30 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

PHIL196: HUMAN RIGHTS

Credit Points: 6

Contemporary political and social debates are dominated by claims and counter-claims about 'human rights'. This subject (i) introduces students to some of the classical thinking about human rights, going back to the natural law doctrines of the ancient and medieval periods, the natural rights doctrines of Hobbs, Hocke, and Maine, and the eighteenth and nineteenth century critics such as Hume, Burke, Bentham, Mill, and Marx. It then (ii) examines some of the contemporary issues associated with human rights declared in a number of international agreements to which Australia is signatory, and considers their meaning and implications, especially in relation to such questions as the right to life (and abortion, euthanasia), to privacy, freedom of expression, to cultural identity, and the problems raised by 'multiculturalism', to freedom of conscience, and to equality (and the questions of affirmative action and reverse ('positive', 'benign') discrimination). Finally (iii) consideration is given to the work of the Human Rights Commission and the implications of the Commonwealth of Australia Constitution in the human rights area, and the question of whether or not Australia should have a 'Bill of Rights'. Anti-discrimination legislation, and its philosophical pre-suppositions, is also examined.

Tuesdays, Thursdays 9.30 am – 11.30 am

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

PHIL211: CLASSICAL PHILOSOPHY

Credit Points: 8

Pre-requisite: At least 18 credit points

A detailed examination of Plato's *Republic* and an assessment of Plato's opinions on such questions as the point of morality, the nature of knowledge, knowledge of the universal as well as the particular, assessment and evaluation by standards of ideals, the perfect form of government, the purposes of education and the responsibilities of the philosopher.

Tuesdays, Thursdays 11.30 am – 1.30 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

SOC101: SOCIETY AND CULTURE

Credit Points: 6

This course deals with anthropological perspectives of people and their societies. Examples will be used from traditional and primitive societies and present industrialised nations – Australian society in particular. The course aims to show how a comparative cultural perspective can help in understanding and analysing the position of minority groups in the Illawarra. A pervading theme of the course will be on male/female relationships in the cultures discussed.

Wednesdays, Thursdays 9.30 am – 12.30 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

SOC102: CONTEMPORARY ART AND SOCIETY

Credit Points: 6

This course will examine how particular forms of art and music are a product of contemporary society; it will also explore the impact that art and music have upon the society. The focus of teaching is on contemporary life, so will concentrate on the art and music of post-World War II society. Thus through the examples of art and music the course explores what is happening to culture in general in present day society.

Mondays, Tuesdays 9.30 am – 12.30 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

HIST232: THE OTHER SUPERPOWER – SOVIET HISTORY, 1917 TO THE PRESENT

Credit Points: 8

There are three aspects of Soviet History that will receive special attention in the course. The first is the development of the Soviet political system and, in particular, the setting-up, functioning and dismantling of the political system of the Stalin era as well as the attempts of Stalin's successors to meet the challenges posed by a heritage of authoritarian government, a commitment to Marxian socialism and the requirements of modern bureaucratic organization. The second aspect concerns Soviet society – the changes that have taken place in class structure, family life, education and welfare provision. The third aspect is the emergence of the Soviet Union as a world power and its relationship to the international communist movement.

6 hours per week

Times to be advised

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

ENGL298 ASPECTS OF AUSTRALIAN FICTION IN THE 1930s

Credit Points: 6

Pre-requisites: It is recommended that students have taken either ENGL113 and/or 200 level subjects in the Department of English.

A study of some representative novels, short stories and a major polemical critical essay.

Wednesdays 1.30 pm – 3.30 pm

Thursdays 9.30 am – 11.30 am

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

ENGL398 THE VIKINGS—OLD NORSE CULTURE, LANGUAGE AND LITERATURE (ADVANCED)

Credit Points: 8

This course will include a detailed study of two Old Norse texts, the prose *Hrafnkels saga*, and the mythological poem *Baldur's Draumar*. As well, students will present a half hour seminar paper on some aspect of medieval Norse culture, and this paper will form the basis of an essay to be handed in in February.

Mondays 11.00 am – 1.00 pm and 2.00 pm – 3.00 pm

Tuesdays 11.00 am – 12.00 pm and 1.00 pm – 3.00 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

ENGL399: 19TH CENTURY AMERICAN LITERATURE

Credit Points: 6

Pre-requisite: ENGL101 or ENGL103 and ENGL104, or ENGL110, ENGL111/ENGL112 or ENGL113

This course covers a range of nineteenth century American literary and cultural expression.

Wednesdays 9.30 am – 12.30 pm and 2.00 pm – 5.00 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

LANGUAGES

Note: Refer also to the "Non-Credit" Section of this booklet for more language courses.

EURO173: INTRODUCTORY SPANISH – LEVEL I

Credit Points: 3

This is a seven-week course for beginners or near-beginners and is designed to provide an introduction to the Spanish language. While the emphasis is on the communicative function, a grammatical basis will also be given. By the end of the course students should be able to communicate in Spanish in a number of situations and to read and write basic Spanish.

Tuesdays, Fridays 9.30 am – 12.30 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

EURO174: INTRODUCTORY LATIN

Credit Points: 3

This is an introductory course designed for students who have had little or no experience with classical languages. It will focus on a rapid coverage of the basic grammar of Latin. There will be a brief outline of Roman civilization and of the development of the Latin language and its literature. At the end of the course successful students should have acquired some reading knowledge of the language.

Mondays and Wednesdays 4.00 pm – 6.00 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

EURO175: INTRODUCTORY GERMAN – LEVEL I

Credit Points: 3

This is a seven-week course for beginners or near-beginners and is designed to provide an introduction to the German language. While the emphasis is on the spoken language, there will be opportunity to develop basic reading and writing skills. By the end of the course students should be able to communicate in German in a limited number of situations and to read and write simple German.

Mondays, Thursdays 9.30 am – 12.30 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

ECONOMICS

ECON313: ECONOMICS OF ENERGY RESOURCES: A COMPARATIVE STUDY OF CANADA & AUSTRALIA

Credit Points: 8

The main objectives of the subject are to review the applications of economic theory to the energy problems in the economies of Canada and Australia; and evaluate the available options of energy policies in the two economies. The course topics include:

1. Social objectives with respect to energy,
2. Renewable and nonrenewable resources,
3. Optimization frameworks for the extraction of energy resources,
4. The demand for energy,
5. The energy supply response - Alternative energy technologies, and the role of nuclear energy,
6. Energy deficits and the role of international trade, and
7. The design and implementation of energy policies.

Mondays, Tuesdays and Wednesdays 9.30 am – 11.30 am

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

SCHOOL OF INDUSTRIAL & ADMINISTRATIVE STUDIES AND THE SCHOOL OF CREATIVE ARTS

Please note: The following subjects are offered by the School of Industrial and Administrative Studies and the School of Creative Arts. Care should be taken before enrolling in these subjects to ascertain whether they can be counted towards the degree/diploma in which you are enrolled.

AAPT108: FILM AND TELEVISION PRODUCTION I **Credit Points: 6**

Explanation of basic Film and Television terminology. Introduction to various formats and types of film and video equipment; instruction and practice in the use of operation of basic film and video equipment and facilities; instruction in the basic theory of planning and shooting a film or video production; develop familiarity with equipment through individual short practical exercises.

Mondays, Wednesdays 6.30 pm – 9.30 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

AAPT109: FILM AND TELEVISION PRODUCTION II **Credit Points: 6** Pre-requisite: AAPT108

Advanced instruction and practice in using film and video equipment; further instruction in the basic theory of planning and shooting of a film or video production; further instruction in basic editing techniques and use of post production facilities; undertake a small group of production of a short film or videotape.

Tuesdays, Thursdays 6.30 pm – 9.30 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

AIIS101: COMMUNICATIONS **Credit Points: 6**

In this subject students will: develop an understanding of a theoretical model of the communication process; relate that model to a series of practical situations; develop an understanding of the ways of facilitating communication; become aware of the stages at which communicating may break down, and ways of avoiding this; develop an appreciation

of the factors, both personal and technical, involved in shaping, directing and receiving a piece of oral or written communication; develop their awareness of non-verbal factors involved in communication.

Wednesdays, Thursdays 6.30 pm – 9.30 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

AIIS210: HISTORY AND FUNCTION OF TRADE UNIONS

Credit Points: 6

This subject will not only enable further study of important subject areas treated elsewhere, but will also allow a degree of specialisation according to interest. The subject examines the history and structure of Australian trade unions within the framework of the labour movement as a whole. Discussion of the role of unions within Australian society has generated more heat than light and the nature of union power and influence is poorly understood within the community. Media coverage of union affairs usually serves to exacerbate this situation. The challenge for any subject on unionism must therefore be to provide reliable information about an area of constant controversy as well as to promote the realisation that labour organisations are an integral and necessary feature of Australian society. This course is ultimately concerned with fitting the trade union movement into a general appreciation of industrial relations.

Tuesdays, Thursdays 6.30 pm – 9.30 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

AIIS307: SPECIAL TOPIC IN ADMINISTRATION

Credit Points: 6

Pre-requisite: Completion of at least 48 credit points of Associate Diploma in Administration subjects.

This subject will enable a student to undertake a project of administrative interest in their particular field of endeavour.

Mondays, Tuesdays 6.30 pm – 9.30 pm

Fee: \$50, no fee is payable if subject is counted towards a degree or diploma.

THE UNIVERSITY OF WOLLONGONG

1987/88 SUMMER SESSION
APPLICATION FORM

Full Name:

Date of Birth: Age:

Address:

..... Postcode:

Phone: Home:

Work:

1. List below, in order of preference, the subject(s) that you would like to enrol in: (note: for credit subjects, a maximum total of 14 credit points applies for the Summer Session)

(i)

(ii)

(iii)

(iv)

2. If you have listed a credit subject above and you wish to count this subject towards a degree or diploma, please provide the following information:

- * Are you currently enrolled or have you ever been enrolled at the University of Wollongong?

Yes No

Course:

Student Number:

- * Are you currently enrolled at another tertiary institution?

Yes No

Name of Institution

Course:

3. Will you require accommodation at International House?

Yes No

4. Will you require child care facilities while attending the Summer Session?

Yes No

(If you answer yes to questions 3 or 4, appropriate forms will be sent to you).

PLEASE RETURN THIS FORM TO:

The Summer Session Organiser,
The University of Wollongong,
P.O. Box 1144,
Wollongong, N.S.W. 2500.

by 31st October,
1987, if possible.

THE UNIVERSITY
OF WOLLONGONG
SUMMER SESSION 1987/88

Supplement to
the University Calendar

