# MONASH UNIVERSITY

**Annual Report 1990** 





In accordance with Section 41 of the Monash University Act 1958, as amended, I submit the report of the Council for 1990.

> For and on behalf of the Council G H Lush Chancellor

Report of the Council of Monash University for the period 1.1.1990 to 31.12.1990

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For Monash University, 1990 was a year of momentous change. It was accompanied by a degree of turbulence and a significant number of noteworthy

Following the signing of Heads of Agreement with the former Chisholm Institute of Technology and the Gippsland Institute of Advanced Education in 1989, the Monash University Act was amended to create a merged institution on 1 July 1990. With respect to University governance an interim joint council was formed for one year, to be replaced in 1991 by a newly constituted council as defined in the Monash University (Chisholm and Gippsland) Act 1990. The Professorial Board was replaced with an expanded interim Academic Board, which has recently completed a review into its future composition.

Internal structural changes were achieved through the establishment of a merger implementation committee and a series of working parties of this committee. One outcome was the new internal structure of ten faculties across the three metropolitan campuses (Caulfield, Clayton and Frankston), the Monash University College Gippsland, and the Distance Education Centre located at Gippsland but servicing the whole University. The ten faculties of the University are Arts, Business, Computing and Information Technology, Economics Commerce and Management, Education, Engineering, Law,

Medicine, Professional Studies and Science.

As a result of the merger, all staff and students of the former Chisholm Institute of Technology, the former Gippsland Institute of Advanced Education and the former Monash University became staff and students of the new Monash University, and all degrees and diplomas were those of the new Monash University.

The merger ensures that Monash can face the future with great confidence. With four campuses situated in one of the few growth corridors in Victoria – the outer south-east of the metropolitan area, Gippsland, Mornington and Westernport - Monash will be well buffered against the demographic downturn that is about to occur (a decline of 2.5 percent per year of the school leaver age population through the mid and late 1990s).

The degree of diversity provided by the merger coupled with the University's traditional standards of quality, place the 'greater' Monash University in a sound position to sustain enrolments in the face of rapid fluctuations in the areas of undergraduate student demand. Early indications of

1991 undergraduate demand confirm this expectation.

Most of the turbulence associated with the merger is now dissipated. Change is always difficult, and the merger required many adjustments. Changes in long established structures, such as Council, Professorial Board and faculties have not been achieved with near universal support. Some initial suspicions between staff from different cultures are now well behind us. The 'greater' Monash University is now widely viewed as the success story of the national restructuring of higher education. This has only been achieved through a great deal of work and tolerance by academic and general staff at all levels.

In 1990 the University's research activities were supported by the central disbursement of internal funds and by success in attracting awards from external granting bodies. The Monash development fund of \$1.95M was established this year to assist academic staff in initiating research activities which may attract further external funding, while the Monash research fund allocated \$532K to support 199 competitively reviewed research projects which generally fell below the lower funding limits of the ARC, NH&MRC and other major granting bodies. This fund also awarded 105 travel grants amounting to \$75K to support attendance by academic staff at international conferences. The University received approximately \$23.8M from external granting bodies to support research in 1990. Substantial funding was attracted from major Commonwealth competitive granting bodies including the ARC, N&MRC and Industry Research Development Board grants (GIRD). Included

• a total of 101 large ARC grants with a value of \$4.682M, which represented a 47 per cent increase of ARC funds from the previous year. Furthermore, the University's performance and success rate was 37 per cent compared with the national success rate of 31 per cent.



- The University received funding of \$5.457M for 101 competing and continuing NH&MRC project grants and \$156.6K for five NH&MRC equipment grants.
- Since the GIRD scheme was introduced in 1986, the University has received eight grants totalling \$6.246M, and this represents the largest allocation of GIRD grants to any single university. The GIRD Scheme grants have involved the formation of research partnerships with research groups from the University, industry and government research laboratories.

A memorandum of understanding between the University and seven local CSIRO divisions was signed in September 1990, thereby facilitating closer collaboration in research programs, teaching, large equipment usage and supervision of postgraduate students on the University campuses and in the CSIRO divisions.

Regulation 7(a)

Establishment

Monash University was established by an Act of the Victorian Parliament on 15 April, 1958. It is a body politic and corporate known as 'Monash University', it has perpetual succession, a common seal and is capable in law of suing and being sued.

**Objectives** 

Regulation 7(b)

Objectives, functions, powers and duties

The objectives of the University, as stated in Section 5 of Division 1 of the Monash University Act are:

- to provide facilities for study and education and to give instruction and training to all such branches of learning as may from time to time be prescribed by the Statutes, including, without limiting the generality of the foregoing, Pure Science, Applied Science and Technology, Engineering, Agriculture, Veterinary Science, Medicine, Law, Arts, Letters, Education and Commerce;
- to aid by research and other means the advancement of knowledge and its practical application to primary and secondary industry and commerce;
- to confer after examination the several degrees of bachelor, master and doctor and such other degrees and diplomas as are prescribed by the Statutes but so that the standard for graduation in the University shall be at least as high as prevails in the University of Melbourne; and
- to provide facilities for University education throughout Victoria by the affiliation of existing educational institutions to the University, by the creation of new educational institutions to be affiliated to the University, by the establishment of tutorial classes, correspondence classes, University extension classes and vacation classes and by such other means as the Council deems appropriate –

and in the giving of instruction and training in any branch of learning the University shall aim to foster a desire for learning and culture and for a knowledge of the social and cultural as well as the technical and practical aspects of that branch of learning and an understanding of its relation to the whole field of human life and knowledge.

#### Powers and duties

Regulation 7(b)

The governing authority of the University is the Council, the constitution of which is set out in Division 2 of the Act. The Monash University (Chisholm and Gippsland) Act 1990 came into force on 1 July 1990 and substituted in Division 2 of the Act a new constitution of Council to take effect on 1 July 1991. The latter Act provided for a transitional council to hold office for twelve months, and defined its membership. The Council manages and supervises the affairs of the University and is advised by its subordinate standing committees, other boards and committees, the Vice-Chancellor and senior officers of the University.

Regulation 7(c)

University services

The University provides post-secondary education and study facilities primarily to the Victorian community. The ten faculties located within the Monash campuses at Clayton, Caulfield and Frankston (Arts, Business, Computing and Information Technology, Economics Commerce and Management, Education, Engineering, Law, Medicine, Professional Studies and Science) offer undergraduate and postgraduate degrees. In addition to the faculties there are centres which express the research interests of staff members and provide a specialised nuclei for postgraduate and some undergraduate study. Many of these act as a focus for interdisciplinary research. The Monash University College Gippsland has a further seven schools located on its campus. The work

of the University is expanded and supported by affiliated institutions which cooperate in various ways with teaching and research programs at Monash.

Shared policy responsibilities

Regulation 7(d)

The University operates in collaboration with the Commonwealth Government through DEET and with the State Government Ministry of Education and VPSEC, in the funding, planning and administration of its work.

Administrative structure

# Membership of Council 1990

Regulation 7(e)

Between 1 July 1990 and 30 June 1991 the following members constitute a transitional council of the enlarged University in accordance with the Monash University (Chisholm and Gippsland) Act 1990.

# Appointed by the Governor in Council

Members of the Parliament of Victoria

The Hon. James Vincent Chester Guest MA Oxon. MBA Melb. Barrister-at-Law of Lincoln's Inn Barrister-at-Law (Vic.) MLC\*

Gerard Marshall Vaughan BE MEngSc PhD Mon. DipEd S.C.V. ARMIT ARACI MP\*

Thomas William Wallace MP\*

Representing industrial, commercial, educational and community interests

Dorothy Rae Anstee SRN SCM InfWelfCert DipWard&UnitMgt DipNAdmin FCNA

Judy Arndt BArch Melb. MA LaT. ARAIA

James Arnold Hancock OBE BCom Melb. FCA AASA\*

Maria Gwendolene Keys BA Syd. MACS

Geoffrey Alistair Knights MA PhD Cantab.

Jan Eric Kolm AO EngChem PragueTech.Uni. HonDSc Melb. FRACI FAIM FTS\*

Rachelle Ann Lewitan BA LLB (Hons) Melb.\*

Helen Marion Nugent BA PhD Qld MBA Harv.\*

Donald Henry Peebles

Robert Graham Rutter BCom Melb. FCA

Nigel Wood BEc N.E.\*

# Elected by the graduates of the University

Anthony Henry May BEc LLB\*
Kay Christine Lesley Patterson BA Syd. PhD DipEd MAPsS\*

#### Elected by the faculties

Faculty of Arts

Alan George Lewers Shaw AO BA Melb. MA Oxon. FASSA FAHA\*

Faculty of Economics Commerce and Management

June Margaret Hearn MA PhD Melb.\*

Faculty of Education

Winifred McDonell BA MEd DipEd FACE\*

Faculty of Engineering

Robert John Neil Kinsman BMechE Melb. CEng FIMechE MAustIMM\*

Faculty of Law

The Hon. Mr Justice Robert Clive Tadgell LLB Melb.\*

Faculty of Medicine

Anthony Robert Moore MB MS Melb. MA Cantab. FRACS FACRM (until 10 October 1990)\*

Faculty of Science

Hugh Alexander Grayson FMTC CChem FRACI FIDA FAIM\*

# Elected by the professors

John Newsome Crossley MA DPhil Oxon.\*
William Henry Melbourne BE Syd. PhD DIC Lond. FIEAust FRAeS FRGS\*
Clive Trevor Probyn MA Virginia BA Phd Nott.\*
Bruce Oswald West BSc Adel. PhD Adel. and Cantab. FRACI (until 17 December 1990)\*

# Elected by the Academic Board of the former Chisholm Institute of Technology

Richard John Snedden BA LLB Melb. BEd MACE
James Wingate MA Glas. DipArt G.S.A. ATC J.C.E.

# Elected by the full-time academic staff of the former Chisholm Institute of Technology

Arthur Ernest Crook BA Qld MA Melb. MAPsS Richard Lewis Whyte BA Melb. BEd TPTC

#### Elected by teaching staff other than professors

Stella Ann Crossley MA DPhil Oxon.\*
William Anthony Howard MCom Melb. PhD C'nell\*
Jennifer Strauss BA Melb.\*

# Ex officio

Chancellor

The Hon. Sir George Hermann Lush LLM Melb.\*

Vice-Chancellor

Malcolm Ian Logan BA PhD Melb. DipEd Syd. FASSA\*

#### Appointed by the Minister for Education

Ronald George Ritchie BMech<br/>E Dip Ed Melb. Dip Mech<br/>E Caulfield T.C. MAdmin FIEAust MACE\*

# Elected by the Council of the former Gippsland Institute of Advanced Education

Crofton Lee Hatsell DipCE DipTCP FIEAust Dennis John Shore BE MEngSc N.S.W. MIEAust

#### Co-opted members

Jennifer Ann Chandler BBus V.I.C. AFMI
Clive Keith Coogan AM MSc Syd. PhD Brist. FAIP FRSA
Peter Francis Cutter BCom Melb. MEd MACE
William Austin Kricker BSc BE Syd. MBA N.S.W. FAIM FIDA FIEAust
(from 5 November 1990)
Linda Joy Lawrie BA DipEd
Joan Melville McPhee MCom Melb. ACTT
Dorothy Ruth Pizzey BA BEd Melb. FACE\*
Paul Ramler DipBus HonMBus C.I.T. ACTT
Lionel Edward Ward BAgSc W.Aust. MSc PhD Calif.
As at 1 January 1991 there were five vacancies for co-opted members.

#### Deans of faculties

Peter LePoer Darvall BCE Melb. MS Ohio State MSE MA PhD Prin. DipEd FIEAust\*
Charles Robert Williams BCL Oxon. BJuris LLB(Hons) Barrister-at-Law (Vic.)\*

# Elected by non-academic staff

John Charles Blyth BAppSc Melb.
Douglas Raymond Ellis BEc ARMIT\*
Paul Kenneth Rodan BA W.Aust. MA Qld PhD

# Elected by the students in the university

James Leslie Backwell\*
David Jenkins
Sally Moxham
Barbara Dawn Murray MA\*
Raymond Victor Scott (until 17 December 1990)\*
Barry Colin Yau

#### Senior officers

Regulation 7(e)

Visitor

His Excellency Dr Davis McCaughey, Governor of Victoria

Chancellor

The Hon. Sir George Hermann Lush LLM Melb.

Deputy Chancellors

James Arnold Hancock OBE BCom Melb. FCA AASA Geoffrey Alistair Knights MA PhD Cantab. (from 5 November 1990)

Vice-Chancellor

Malcolm Ian Logan BA PhD DipEd Syd. FASSA

Deputy Vice-Chancellors

John Anthony Hay BA PhD W. Aust. MA Cantab. FACE Ian James Polmear BMetE MSc DEng Melb. FTS FIM FIEAust Geoffrey Norman Vaughan MSc Syd. PhD Melb. FRACI FPS FSHPA MPSGB (from 1 July 1990)

<sup>\*</sup> Member of Monash University Council before 1 July 1990

Pro Vice-Chancellor and Chief Executive Officer of Monash University College Gippsland

Thomas Kennedy BSc PhD Glas. GradDipEd CChem FRIC FAIM ARACI AIMM MACE (from 1 July 1990)

Registrar

Anthony Langley Pritchard BSc DipEd Melb. BEd Qld

Comptroller

Peter Brian Wade BCom (Hons) MA Melb. FASA

Regulation 7(f)

Principal offices

Office of the Vice-Chancellor Monash University – Clayton campus Wellington Road Clayton 3168 Telephone: (03) 565 2000

Monash City Office Cnr Exhibition Street and Flinders Lane Melbourne 3000 Telephone: (03) 650 9140

Campus Coordinator Monash University – Caulfield campus 900 Dandenong Road Caulfield East 3145 Telephone: (03) 573 2071

Campus Coordinator Monash University – Frankston campus McMahons Road Frankston 3199 Telephone: (03) 784 4152

Chief Executive Officer – Gippsland Monash University College Gippsland Switchback Road Churchill 3842 Telephone: (051) 226 211

Regulation 7(g)

**Publications** 

The University Calendar, volumes one and two, contains information on the operations and governance of the University and details on courses and subjects offered. The Research Report, published annually, records the research being conducted at Monash. Copies of these publications may be purchased from the Monash University bookshop or by application to the Registrar, Monash University, Clayton, 3168, Australia.

The public affairs office, which replaced the former information office, publishes a monthly newspaper, *Montage*, and an occasional single sheet flyer, the V-C's Desk. A weekly newsheet, *Sound*, published throughout the year, will be replaced by a new publication, *Etcetera*, in 1991. These publications are distributed to all staff on all campuses.

Monash University College Gippsland produces annually a handbook which contains information on the operation and governance of the college, together with details of all courses and units offered. The college produces an *Information for prospective students* guide, again published annually, aimed at school leavers intending to continue on to full-time tertiary education. The booklet contains course information and other information useful to first year

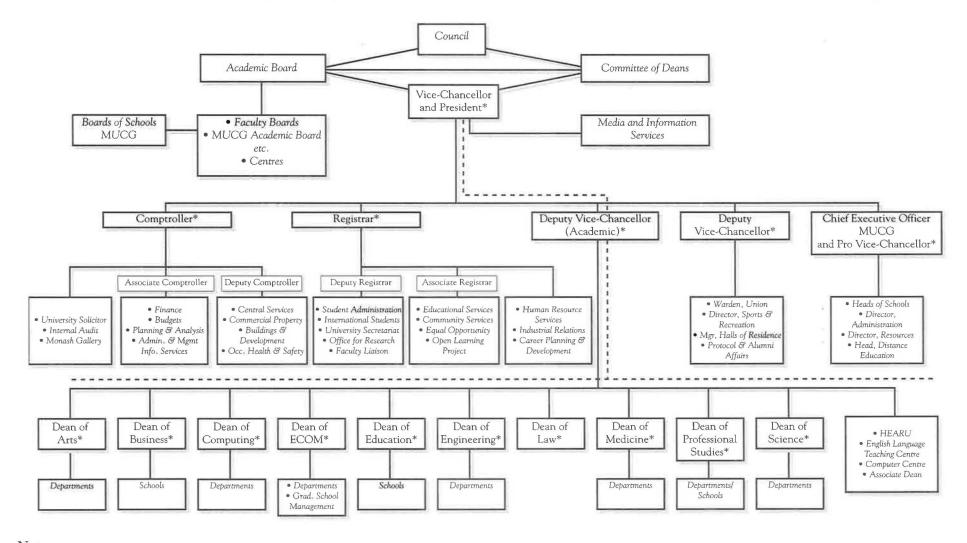
students. A guide to distance education provides prospective students with information about courses offered by the Monash/Gippsland Distance

Education Centre. In addition, the college produces a weekly newsletter which is distributed to all staff at the college.

# Companies, joint ventures and trusts

Regulation 7(h)

- Montech Pty Ltd (100%) handles commercial aspects of University intellectual property.
- Infertility Medical Centre Pty Ltd (60%) provides specialist medical services.
- Monash-ANZ Centre for International Briefing Pty Ltd (100%).



#### Note

- 1. Chart reflects reporting relationships only; DVC(A), DVC & PVC have policy responsibilities eg, DVC (research, general staffing, student issues) DVC(A) (academic issues including academic staffing) PVC (distance education).
- 2. The officers starred (\*) together constitute the Committee of Deans.
- 3. The dashed (- -) line between Deans, HEARU and Deputy Vice-Chancellor reflects normal day-to-day operational requirements even though the strict reporting line is to the Vice-Chancellor.

Operational objectives

Regulation 8(1)(a)

The merger which took place during 1990 has led to further development of the University's objectives. The overall mission of the University remains unchanged, and is based on its founding Act. In its founding Act Monash University 'shall aim to foster a desire for learning and culture and for a knowledge of the social and cultural as much as the technical and practical aspects in branches of learning and an understanding of their relation to the whole field of human life and knowledge'. The University will also strive to 'aid by research and other means the advancement of knowledge and its practical application to primary and secondary industry and to commerce'. The further development of the University's objectives, while taking account of the strengths of the merging partners, has remained consistent with the founding mission described above. To ensure the success of its mission Monash University is developing its objectives along the following lines.

#### Research

Monash will be:

- active in scholarship with a substantial number of identified national and international areas of research excellence;
- a leader in involvement in research, development and service with industry, commerce and state enterprises;
- active in establishing financial sources of research funding independent of those provided through normal government channels.

Monash aims to encourage all staff to be active in research and/or scholarship; achieve and maintain a world class research standard in identified key fields; promote individual excellence in research; and strive for an optimum balance between pure and applied research. The University will effectively apply both internal and external resources to achieving these aims.

# Teaching

Monash will be:

- committed to excellence in teaching and in being responsive to the needs of our client base;
- continuing to offer a range of teaching programs extending from PhDs to undergraduate programs;
- a major provider of postgraduate professional education and training ranging from short courses to coursework masters degrees;
- a major centre in postgraduate research training.

Monash will promote tertiary education and provide equitable access to undergraduate courses for students in our catchment area; endeavour to attract the best students from throughout Victoria; foster excellence in teaching; and provide a range of teaching programs responsive to clients' needs, including professional upgrading, TAFE, and full-fee paying overseas students. The postgraduate level is of particular priority: Monash will strive to attract top students, both nationally and internationally, to undertake postgraduate research degrees, especially in our fields of identified research strength.

#### Distance education

Monash will be a major provider of off-campus higher education for the upgrading of professional qualifications, for retraining, and to satisfy cultural and personal development needs of the adult community. Monash will achieve

this aim by strengthening its distance education base, identifying and addressing opportunities for distance education provision, and exploring the application of new and innovative technology to distance education.

#### Internationalisation

Monash will be:

- the strongest Australian university in Asian studies, languages and business, and have an appropriate balance of Asian and other perspectives in all degree programs;
- among the best known Australian universities throughout the world.

Monash has a substantial international reputation, especially in the United Kingdom, United States of America and Western Europe. In Asia and Asian Studies Monash has an unrivalled reputation. Further development of the internationalisation of Monash University will follow three routes:

- academic staff, departments and faculties will be encouraged to extend their international links;
- the University will target universities in Asia and the Pacific, the USA and Canada, and in Middle and Eastern Europe for the development of institution-to-institution collaborative agreements; and
- the continued marketing of Monash courses, especially through innovative formats.

The broad objectives of these strategies are in teaching, students, research, and development.

#### Community and culture

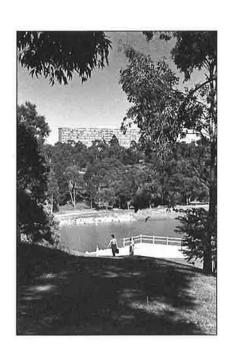
Monash will be an active cultural centre for the local and Melbourne communities. The southern and south eastern suburbs and the Gippsland region are major population centres with few of the facilities available to the city centre. Monash provides, and will continue to develop, access to community facilities, performing and visual arts, and informal public education. Monash will continue to encourage wide community participation in these valuable activities.

# The faculties

Monash is a faculty based university with considerable power and responsibilities devolved to the faculties. With the establishment of ten faculties and a university college following the merger, Monash will continue the process of devolution and has encouraged faculties to develop their own objectives and strategic plans in ways that are consistent with and which implement the overall University objectives.

# Academic developments and achievements

The University's course offerings were widened and diversified by the merger, but in addition, each faculty devoted considerable time and effort to the development of new courses at both undergraduate and postgraduate level. Planning and approval for the following new courses occurred:



- Bachelor of Accounting
- Bachelor of Arts (Graphic Design)(Honours)
- Bachelor of Business (Banking and Finance) by distance education\*
- Bachelor of Business (Retail Management) by distance education
- Bachelor of Commerce
- Bachelor of Computing (Information Systems)
- Bachelor of Computing (Computer Science)
- Bachelor of Computing (Digital Technology)
- Bachelor of Letters (BLitt)
- Graduate Certificate in Computing
- Graduate Certificate in Information Technology
- Graduate Certificate in Management
- Graduate Diploma in Arts (Art History/Film Studies)
- Graduate Diploma in Arts (European Studies)
- Graduate Diploma in Arts (International Relations)
- Graduate Diploma in Arts (Music)
- Graduate Diploma in Business Administration
- Graduate Diploma in Business Technology
- Graduate Diploma of Business (Business Management)
- Graduate Diploma of Business (Human Resources Management)
- Graduate Diploma of Business (Manufacturing Management)
- Graduate Diploma of Business (Marketing-Executive Program)\*
- Graduate Diploma in Computer Control and Communications
- Graduate Diploma in Computer Graphics
- Graduate Diploma in Computing
- Graduate Diploma in Digital Communications
- Graduate Diploma in Economic Studies
- Graduate Diploma in Economics
- Graduate Diploma in Epidemiology and Biostatistics
- Graduate Diploma in Industrial and Employee Relations
- Graduate Diploma in Information Technology
- Graduate Diploma in Information and Communications (ICT) Management
- Graduate Diploma in International Relations
- Graduate Diploma in Municipal Engineering
- Graduate Diploma in Occupational Health
- Graduate Diploma in Offshore Engineering
- Graduate Diploma in Project Management
- Graduate Diploma in Robotics
- Graduate Diploma in Structural Engineering
- Graduate Diploma in Water Engineering
- Master of Arts (Craft) by coursework and project
- Master of Arts (History) by coursework and minor thesis
- Master of Arts (International Relations) by coursework and minor thesis
- Master of Arts (Japanese Interpreting and Translation) by coursework and minor thesis
- Master of Business (Banking)
- Master of Business Administration (International Business)
- Master of Business Administration (Technology Management)
- Master of Business Systems
- Master of Child Psychoanalytic Psychotherapy

- Master of Computing
- Master of Industrial and Employee Relations
- Master of Physiotherapy
- Master of Taxation Studies
- Master of Venereology
- \* Fully approved previously, but approved to be introduced in a different teaching mode.

# Academic staff development

Regulation 8(1)(b)

Throughout the year the Higher Education Advisory and Research Unit has continued to conduct courses for academic staff on all aspects of their professional duties, to provide data to improve administrative decisions and to monitor and comment on the higher education sector in Australia and overseas. Course evaluations by HEARU continue to increase as staff seek to maintain quality without a decrease in desired standards. Outside studies programs provided one hundred and forty-eight members of staff with a period of time in which to conduct research and/or to familiarise themselves with developments in their fields of study.

Factors affecting achievement of operational objectives

# Staff appraisal

Altogether, 147 academics have undertaken training in staff appraisal techniques. This number included 'supervisors' as defined in the award and 'delegated' staff to the award. It is estimated that over 95 per cent of supervisors, and of staff delegated to this role, have been trained.

#### Resources and facilities

The impact of a reduction in federal funding in recent years has been felt throughout the University, particularly in resources areas such as the library. The library and the Computer Centre are of major significance to the University's teaching and research work. These areas must maintain a satisfactory service to users whilst meeting the cost of operating and developing facilities which, in both instances require a considerable financial commitment. The difficulties of meeting these challenges have become evident at a time when an increased demand for these resources is occurring.

An additional factor undermining the capacity of the University to support an increased student load is a lack of teaching space. This situation is concentrated around certain undergraduate courses where student numbers are currently large. However, until new facilities become available, including a new general teaching building, teaching space will remain a problem in certain areas for the University.

Regulation 8(1)(c)

Major changes

A major change occurred on 1 July with the coming into force of the Monash University (Chisholm and Gippsland) Act 1990. This Act gave effect to the amalgamation with Monash of Chisholm Institute of Technology and Gippsland Institute of Advanced Education. It was the combination of many months of planning, negotiation, and consultations that saw the University enrolment grow to 30 000 students with courses being taught in ten faculties on four campuses. It was by far the most significant event in Monash's twentynine year history, an event that will continue to shape the University's future directions for years to come.

# Major external reviews

Regulation 8(1)(d)

No major external reviews were conducted during 1990. Internally, however, the consultative processes that were set in train to facilitate the mergers with Chisholm and Gippsland Institutes resulted in nearly every aspect of the University's operation being reviewed, from the constitution of its major deliberative bodies to its academic programs and structures.

# Summary of operations

#### New courses offered in 1990

Regulation 8(1)(e)(i)

- Graduate Diploma in Business Administration (external)
- Associate Diploma in Teaching English to Speakers of Other Languages
- Diploma in Pulp and Paper Technology
- Master of Psychology
- Bachelor of Applied Science (Computing)
- Bachelor of Business (Tourism Management)
- Graduate Diploma of Arts (Visual Arts) by distance education
- Graduate Diploma of Business (Tourism Management)
- Graduate Diploma of Health Science (Gerontics)
- Graduate Diploma of Health Science (Community Health)
- Graduate Certificate of Business (Tourism Operations)

# Other initiatives and operational achievements

- Merger with former Chisholm Institute of Technology and Gippsland Institute of Advanced Education, both effected 1 July 1990.
- New faculty structure established, expanding from seven faculties to ten faculties and a university college.
- Monash Distance Education Centre in operation.
- Monash academic development fund and research excellence fund streamlined and combined to form Monash development fund (MDF). Nineteen new teaching and/or research projects funded by MDF in 1990.
- Formal links signed with the University of the Philippines, the University of Gadjah Mada and the University of Indonesia.
- Faculty of Engineering attracted nearly \$K900 from industry to sponsor a new cooperative education program for top undergraduate students.
- Monash plays a key role in the federally funded Languages Institute of Australia, which comprises research centres at Monash, the University of Melbourne, Sydney University, the University of Queensland and Brisbane College of Advanced Education.
- Work was begun on the construction of the new \$M1.5 headquarters of the Australian Pulp and Paper Institute, based at Monash University.
- Monash University and Telecom Australia signed a memorandum of understanding that will lead to a growth in teaching and research in telecommunications engineering at Monash.
- Monash and CSIRO signed a memorandum of understanding designed to encourage collaborative research.

#### Major works

Regulation 8(1)(e)(ii)

• On the Clayton campus of the University, construction work on the new civil engineering building was commenced. Design development relating to construction of the new general building was completed.

- On the Frankston campus, design development and contract documentation associated with the new technology building was commenced.
- On the Caulfield campus, building surveying services were employed for work on the proposed new engineering building.
- Off campus activities included completion of work on the new science and technology park.
- On the Monash University College Gippsland campus the design, development and contract documentation of the General Teaching and Distance Education Centre building was commenced. The accelerated construction of student residences (48 places) was completed and long overdue library modifications, scheduled to be completed by the commencement of the 1991 academic year were commenced immediately after the end of year examination period. A new computer microlab and five classrooms to replace teaching space incorporated into the modified library were also constructed and commissioned at the University College.

#### Major research activities

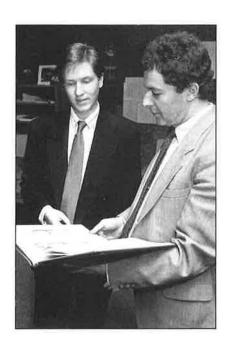
Regulation 8(1)(e)(iii)

Australian Research Council large grants In 1990 Monash staff received forty-seven initial and twenty-six renewal grants totalling \$3 148 400 and staff of the former Chisholm Institute of Technology were awarded four initial and two renewal grants totalling \$234 000 for the 1991 round. The Monash share of the total of ARC funds was 7.12 per cent (including the former Chisholm Institute of Technology) which compares with 6.57 per cent awarded in the previous round. A complete analysis of the ARC large grant awards was prepared and circulated widely throughout the University. The Deputy Vice-Chancellor (Research) and the Manager, Office for Research, continued to hold university-wide faculty information sessions at Clayton, Caulfield and Gippsland campuses at which staff were provided with advice on how to prepare applications for ARC large and small grants and how to prepare for ARC or NH&MRC interviews.

ARC small grants Funds available for the small grants scheme were provided in proportion to the success of the ARC large grants in the previous round. The 'small grants' (\$5 000 to \$25 000 for laboratory departments and \$5 000 to \$15 000 for humanities, social sciences and mathematics) continued to be assessed internally by the institution, in accordance with ARC criteria. The application procedure implemented in the previous year was adhered to in 1990. Faculties assessed and ranked applications before forwarding them to the University Research Committee. The committee prepared a University list which took into account faculty success in the previous large grant round (75 per cent weighting) and the number of new applications from each faculty in the recent round (25 per cent weighting). The result was a total of seventy-four initial and forty-one renewal grants totalling \$1 132 161. In addition former Chisholm Institute of Technology staff received six initial and one renewal grant totalling \$63 300.

National Health and Medical Research Council grants Monash staff were awarded thirty-eight competing and sixty-three continuing grants totalling \$5 457 419 for allocation in 1991. Monash again received the third largest total for universities with medical schools. The University also received two new investigator fellowships and one postdoctoral fellowship. Five NH&MRC large equipment grants totalling \$154 603 were awarded to researchers.

Research infrastructure funding – mechanism A The ARC continued to provide universities with research infrastructure funding as a way of returning some of the 'claw back' funds to tertiary institutions so that they would be directed to areas identified by the institution as a research priority. The infrastructure funds were calculated on the basis of success of the institution in attracting support from Commonwealth competitive grants during 1988 and



1989. Infrastructure funds were allocated to the faculties on the basis of their success in attracting these grants.

**Infrastructure development grants – mechanism B** The aim of mechanism B is to provide research infrastructure support to develop the research capacity of higher education institutions from the former advanced education sector.

In 1989 Chisholm Institute of Technology submitted to DEET seven proposals that reflected the strongest areas of research performed at the institute. CIT was successful in obtaining funding for 1990 in the following areas:

<ul> <li>Water Studies Centre</li> </ul>	\$300 000
<ul> <li>Department of Applied Physics</li> </ul>	\$150 000
<ul> <li>School of Social and Behavioural Studies</li> </ul>	\$50 000

DITAC generic technologies grants In 1990 Monash staff were involved in ten GIRD grants attracting 1990 funds amounting to \$1 760 527 awarded by the Department of Industry, Technology and Commerce in each of the three generic technology areas – biotechnology, information and communication technology and new materials technology.

Victorian Health Promotion Foundation Monash staff were awarded nine grants and three scholarships amounting to \$696 204 for 1990.

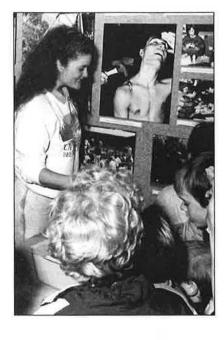
Monash University/CSIRO collaborative research awards Monash University and CSIRO each provided \$100 000 as part of this continuing scheme. A committee comprising the Deputy Vice-Chancellor (Research), Professor B O West and chiefs of CSIRO divisions assessed thirty-one applications and made twenty awards.

Conference travel grants The Vice-Chancellor made funds available for assisting staff to present papers at overseas conferences. Two rounds of applications were called and a total of 102 grants were awarded amounting to \$68 437. The maximum level of grant awarded was \$800. The postgraduate conference grants-in-aid scheme continued in 1990 which enabled postgraduate students to attend local and overseas conferences. Two rounds were held and 40 awards were given ranging from \$100 to \$500.

Postgraduate scholarships The administration and award of postgraduate scholarships is the responsibility of the PhD and Scholarships Committee. The Research Committee has, however, also been involved in discussions pertaining to the value and number of MGS awards. 1990 saw the allocation of forty-two MGS offered from a budget allocation of \$1.7m. In the two years since the Wilson Report, the nationwide allocation of APRA scholarships has increased from 740 to 1000 per annum. Monash's quota during that time has grown from 64 in 1989 to 73.5 in 1990. Following the University's assumption of responsibility for the payment of APRA stipend and allowances at the beginning of 1990, the University's APRA budgetary allocation from DEET has increased from \$2.784m to \$3.437m in 1991. The later figure also includes monies for APCA and APRA (Industry) stipends. 1990 also saw the introduction of the ARC's new scheme of Australian postgraduate (industry) awards which aimed to encourage industry involvement with University research. Monash staff gained eight scholarships for 1991.

Membership of research councils Professors W R Jackson, M T W Hearn and B Holloway were nominated as Fellows of the Australian Academy of Technological Sciences and Engineering. Professor R Day was made a Fellow of the Australian Academy of Science. Professor I J Polmear served on the Department of Industry, Technology and Commerce's GIRD New Materials Technology Committee.

The School of Business at the University College also continued its support of the Gippsland Region Information Bank, which collects, stores and disseminates information on Gippsland. During 1990 GRIB published the Gippsland Quarterly Profile and Economic Indicators, which is disseminated to approximately 600 organisations and individuals. GRIB conducted survey



based research including VFT Public Opinion Survey, Labour Force Turnover in Manufacturing in Victoria and community telephone surveys on quality of life, public transport and journey to work.

The Gippsland School of Applied Science continued active involvement in research and development projects during 1990. The research areas were: coal science (organic sulphur, humates and active carbons); air quality (organic hydrocarbons, visual distance, and acid rain); instrumentation (molybdenum in ore analysis, teaching spectrometer, and on line water monitoring); thermally stimulated processes in organic polymers; magnetic properties of metallic complexes; biological control of bloodworms and mosquitoes; distributed digital communication; multivalued logics and artificial cognition. The School of Engineering developed a discriminating metal detector for use on SECV conveyor belts, to be trialled at the Loy Yang open cut.

#### Significant activities and achievements

Regulation 8(1)(e)(iv)

In the course of an eventful year for Monash, the following activities and achievements are worthy of note:

Merger with Chisholm Institute of Technology The merger of Monash University and Chisholm Institute became effective on 1 July following the enactment of the Monash University (Chisholm and Gippsland) Act 1990 in the Victorian Parliament. This was the culmination of an extensive program of consultation that involved academic and general staff and students at both institutions. In the main, the whole venture was approached positively and within an atmosphere of good-will. The merger added some 7 000 additional EFTSU to Monash on campuses at Caulfield and Frankston and saw the establishment of new faculties of Business, Computing and Information Technology, and Professional Studies.

Establishment of Monash University College Gippsland July also saw establishment of Monash University College Gippsland following the merger with Gippsland Institute of Advanced Education, adding a further 3 000 EFTSU to the University's overall student load. The University College, although governed by the Monash Council and subject to the direction of the Monash Vice-Chancellor, retains some autonomy in its day-to-day operation and its strong regional orientation.

Sponsorship of the University of Canberra Monash continues to honour its agreement to sponsor the former Canberra College of Advanced Education in its transition to university status as the University of Canberra. As such, Monash is represented on the new university's council, academic board, and chair selection committees and involved in the establishment of postgraduate programs.

Affiliation with the Pharmacy College of Victoria In a move that will greater expand the University, Monash entered into an affiliation agreement with the Pharmacy College of Victoria in October as the first stage in a process aimed at the full merger of the two institutions. This link, once achieved, will lead to significant academic interaction between the respected professional teaching of the Pharmacy College and the research programs in the University's faculties of Medicine and Science.

Other achievements Other events of significance included official launchings of the National Centre for Research and Development in Australian Studies and the Institute for Contemporary Asian Studies. The centre, partly funded by the Department of Employment, Education and Training, promotes Australian Studies, undertakes research in a variety of fields, conducts teaching and consultancy work, and provides advice to both public and private sectors. The institute brings together the University's expertise in Asian Studies, and works to increase understanding of Asian through teaching, research, publishing, and briefings for the business community.



Grants worth nearly \$2.5 million from the National Health and Medical Research Council (\$300 000 a year for five years), the Victorian Health Promotion Foundation (\$850 000 over three years) and the Vice-Chancellor (\$50 000 a year for two years) were awarded to the Graduate School of Management's Public Sector Management Institute to establish the National Centre for Health Program Evaluation, a joint venture between the Institute and the Department of Community Medicine at the University of Melbourne. The centre is located at Fairfield Hospital. It is interdisciplinary in nature, but its major focus is the evaluation of Australian health programs from an economic point of view.

Work was completed on the new \$1.5 million headquarters of the Australian Pulp and Paper Institute, funded partly by the Pulp and Paper Manufacturers' Federation of Australia and industry. The building is the culmination of plans by Monash and the federation to establish a world-class centre of research into pulp and paper technology, bringing together the research capacities of the University and the strengths of the manufacturing sector.

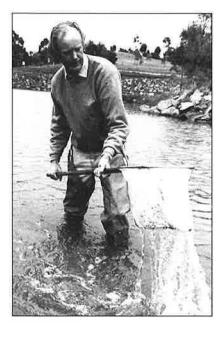
Under a memorandum of understanding signed by Monash and Telecom Australia, the Centre for Telecommunications and Information Engineering will receive support over five years from both Telecom and the University. Significant funding has also been received from the Victorian Education Foundation. The cooperation involves extending and enhancing the telecommunications components of the undergraduate course. It includes the development of courses in continuing education and the promotion of research. The Faculty of Engineering was successful also in attracting nearly \$900 000 from industry to sponsor a new cooperative education program for top undergraduate students, under which scholarships are funded and work experience provided.

Monash University College Gippsland In October 1988 Monash University and Gippsland Institute of Advanced Education submitted a proposal for designation as a distance education centre. The two institutions made the joint submission as affiliated Institutions moving towards a full merger. In April 1989 the Minister for Employment Education and Training announced the designation of the amalgamated Monash University/Gippsland Institute of Advanced Education as one of the eight nominated distance education centres. By using distance education techniques it is possible to shift student teaching load and student support load between campuses relatively easily, without requiring the physical relocation of staff and students. Distance education therefore offers the amalgamating Monash a very powerful tool for building a corporate strategy, at least in teaching, as a major part of its activities. The Monash Distance Education Centre is to be supported by the Distance Education Resources Centre housed in a new building valued at just over \$12 million to be erected at Gippsland campus. The centre is headed by Professor T Kennedy, who is the chief executive of Monash University College Gippsland and chairman of the National Distance Education Conference. The Vice-Chancellor is advised on the development of distance education at the University by a distance education advisory committee.

Major issues before the advisory committee have been the relationship with continuing education, Asian languages by distance education, student load planning, open learning and computer based learning.

The major policy development effort was the preparation of the distance education background paper, published and circulated within the University in August 1990. In November 1990 a further paper entitled 'Towards a new approach to distance education' was published by the Distance Education Centre working party, a strategic planning group established to advise the chief executive of the college. The major issue of this paper was the relationship between weekend schools and other forms of complementary tuition. Workshops and seminars were run on the national coordination of distance education, computer mediated education and distance education development and student support.

New distance education programs have been developed in banking and finance, retail management, counselling psychology, technology studies, police studies and education professional development studies. The Department of



Japanese obtained a grant of \$175 000 to develop distance education packages in Japanese as part of a Commonwealth sponsored development of distance learning packages in Asian languages coordinated by the National Distance Education Conference. An agreement has been reached with the Hong Kong Polytechnic to offer jointly, the University College's Bachelor of Nursing upgrading course in Hong Kong by distance education, with the polytechnic providing local tutor and student liaison support. Some 150 students enrolled in this program in 1990.

# Major promotional activities

Regulation 8(1)(f)

During the year Monash maintained and extended its traditional role as a forum for educational and cultural activities. The University's Centre for International Students, the Office for External Relations and Alumni Affairs and senior staff participated in a busy and successful year. A significant aspect of development in this area has been the growth in the scope and diversity of initiatives undertaken. In general terms this development can be illustrated by the level of overseas promotion of Monash, the enhanced links between Monash and the business community and the specialised approach to the recruitment of students to Monash.

With regard to the overseas promotion of Monash courses, the activities involving exhibitions and seminars are listed below:

January 6–15 The second Gulf Education and Training Exhibition in Dubai, UAE, jointly with Taylor's College to promote all courses and a pre-departure briefing in Singapore on 14 April.

February 20–28 Austrade Korea exhibition to promote all courses, particularly ELICOS and postgraduate courses.

March 5–14 International 'Career 90' exhibition in Singapore to promote mainly undergraduate courses • 6–20 International exhibition and seminar in Hong Kong/Macau, Singapore polytechnic meeting, international exhibition in Taipei for promotion of all courses. Also official opening of Taiwan liaison office.

March/April 26/3 – 9/4 International exhibition in Kuala Lumpur followed by Austrade Singapore to promote all courses.

May 13–18 Attendance at NAFSA conference in USA together with visits to a number of institutions • 14–20 Visit to universities and government bodies in the Philippines to develop awareness and create openings for future promotions.

June 1–18 Seminar/interview program and Austrade Indonesia exhibition in Jakarta, followed by Austrade Thailand exhibition in Bangkok and Chiang Mai for promotion of all courses, particularly at the postgraduate level.

*July*/August 27/7 – 5/8 Austrade Brunei exhibition followed by seminar/interview program in Jakarta for promotion of all courses, particularly for scholarship applicants.

August/September 28/8 - 12/9 Monash/Taylor's Swinburne seminar/interview program covering five cities in Malaysia. Seminar/interview program in Singapore followed with the view of promoting all courses. Hong Kong seminar/interview program also held for students who had just received GCE 'A' level results.

September 18–24 Seminar/interview program in Hong Kong and Taiwan for promotion of all courses.

October 1–3 Tuart College exhibition in Perth for promotion of all undergraduate courses • 19–25 Seminar/interview program in Singapore and Jakarta for promotion of all courses, particularly undergraduate courses in Singapore following announcement of 'preliminary' results.



November 1–6 Seminar/interview program in Manila to promote postgraduate courses for prospective scholarship holders.

November/December 22/11 - 3/12 Austrade exhibition in Kuala Lumpur, Ipoh and Penang followed by joint Monash/Taylor's promotion in Kuantan and Malacca - promotion of all courses.

December 5–14 International exhibition in Singapore for promotion of all courses followed by visit to Sunway College to promote the 'twinning' arrangements for BEc and BEc/LLB.

The activities of the Centre for International Students have expanded to include recruitment for all campuses and the development and extension of new markets.

Again in 1990, the overseas commitment has been matched at the local level by activities designed to emphasise the esteem and relevance of Monash to potential students, employers, the general public and the business community. This approach continues to reinforce an acknowledgment that communication with people, whether they be directly or indirectly involved with the University is worthwhile. Visitors to the University during the year included seventy-six visits by schools for familiarisation and meeting staff; eleven on-campus camps for schools; over 500 parents of new students on parent orientation day; ninety employers for the purpose of meeting undergraduates and postgraduates; five community groups; twenty-five VIP visits, including the Governor-General of Australia, and the Ministers of Education from Brunei and Indonesia.

Promotional programs also involved Monash staff in visits to other locations. The Course and Career Centre arranged 'Monash days' at sixteen schools and undertook country visits in Victoria and interstate. Thirty-seven tertiary information sessions were conducted; fifty talks were given at schools, parent evenings and careers evenings. Staff from the Course and Career Centre participated in two-day sessions, VTAC briefings for Victorian careers teachers and year 12 coordinators. Monash staff were guest speakers at many community group and professional meetings as a result of individual approaches, through the Course and Career Centre and the Monash University Speakers' Bureau. A program of courtesy calls and liaison visits was undertaken with numerous public and private sector entities, with invitations issued for reciprocal visits to the campus.

The University heightened its profile with its cultural activities on campus, including gallery, theatre and musical performances, and enjoyed widened outreach opportunities through events held at the Caulfield, Frankston and Gippsland campuses. An enormously successful season of theatre was enjoyed at the Alexander Theatre and the University's newly established link with Playbox was celebrated. The University's amenities including the Robert Blackwood Hall and the Alexander Theatre were popular venues for members of the public and community groups.

The University hosted major conferences including the Australian Vibration and Noise Conference and the Australasian Association for Engineering Education.

Several prestigious public lectures were presented both on the Clayton campus and in the city premises. Notable were the Oscar Mendelsohn Lecture, the Florey Lecture and the David Nichol Smith seminar.

In all, 29 246 people visited the Clayton campus for the purpose of attending conferences, seminars and lectures.

Publicity for these functions and other activities based at Monash was generated through regular advertisements placed in the national and local press. Following the establishment of the Office of Public Affairs in August, the University's communications program underwent a major overhaul. This provided new vehicles for publicity and promotion, including Montage, Etcetera (to begin publication at the start of 1991) and VC's Desk.

The *Prospectus*, the University's official publication describing courses and degrees available and *Schools Update*, a quarterly newsletter for students and their advisers were widely distributed to schools and *Highlights of the Month at Monash*, distributed to public libraries and other outlets.



The following internal statutes and regulations were made by Council between January and December 1990 pursuant to its powers under the Act:

Meeting 2/90 – 26 February Statute 2.5 – Committee, Boards of Studies and Institute (Amendment No. 19) Statute; Courses and Degrees (Faculty of Education) (Diploma in Educational Policy and Administration) Regulations; Courses and Degrees (Faculty of Education) (Diploma in Teaching Asian Languages) Regulations; Courses and Degrees (Faculty of Education) (Diploma in Second Language Education) Regulations; Courses and Degrees (Faculty of Medicine) (Degree of Master of Venereology) Regulations

Meeting 3/90 – 9 April Faculties (Amendment No. 102) Regulations; Courses and Degrees (Faculty of Economics and Politics) (Degree of Bachelor of Information Systems) (Amendment No. 5) Regulations; Faculties (Amendment No. 101) Regulations; Courses and Degrees (Faculty of Science) (Degree of Bachelor of Science) (Amendment No. 3) Regulations

Meeting 5/90 – 2 July Statute 2.13 – Monash University College Gippsland; Statute 1.1 – Interpretation (Amendment No. 7) Statute; Statute 2.2 – The Academic Board; Statute 9.2 – Election of Members of the Academic Board; Statute 2.6 – the Discipline Committee (Amendment No. 1) Statute; Statute 4.1 – Discipline (Amendment No. 3) Statute; Courses and Degrees (Faculty of Economics Commerce and Management) (Degree of Master in Business Administration) (International Business) Regulations; Courses and Degrees (Faculty of Engineering) (Graduate Diploma in Business Administration) Regulations; Courses and Degrees (Faculty of Engineering) (Degree of Bachelor of Engineering) (Amendment No. 6) Regulations; Courses and Degrees (Faculty of Science) (Amendment No. 4) Regulations; Courses and Degrees (Higher Doctorate) (Amendment No. 2) Regulations; Faculties (Amendments No. 103) Regulations; Academic Dress (Amendment No. 6) Regulations

Meeting 6/90 - 13 August 1990 Statute 2.3 - The Faculties (Amendment No. 13) Statute; Statute 6.1.2 – Courses and Degrees Statute; Statute 1.1 – Interpretation (Amendment No. 8) Statute; Statute 6.1.1 - Courses and Degrees (Amendment No. 9) Statute; Faculties (Amendment No. 105) Regulations; Courses and Degrees (Faculty of Economics Commerce and Management) (Degree of Bachelor of Accounting) Regulations; Courses and Degrees (Faculty of Economics Commerce and Management) (Degree of Bachelor of Commerce) Regulations; Courses and Degrees (Faculty of Education) (Degree of Master of Educational Policy and Administration) (Amendment No. 1) Regulations; Courses and Degrees (Faculty of Engineering) (Degree of Bachelor of Engineering) (Amendment No. 7) Regulations; Courses and Degrees (Faculty of Medicine) (Degree of Master of Psychological Medicine) (Amendment No. 5) Regulations; Courses and Degrees (Faculty of Science) (Degree of Bachelor of Science) (Amendment No. 5) Regulations; Courses and Degrees (Faculty of Economics and Politics) (Degree of Master of Business Administration) (Amendment No. 12) Regulations; Courses and Degrees (Faculty of Economics and Politics) (Master of Business Administration (Mt Eliza)) (Amendment No. 1) Regulations; Courses and Degrees (Faculty of Economics and Politics) (Degree of Master of Management) (Amendment No. 3) Regulations; Courses and Degrees (Faculty of Economics and Politics) (Graduate Diploma in Business Administration (External)) (Amendment No. 1) Regulations; Courses and Degrees (Faculty of Economics and Politics) (Graduate Diploma in Accounting) (Amendment No. 2) Regulations; Courses and Degrees (Faculty of Engineering) (Degree of Bachelor of Engineering) (Amendment No. 7) Regulations; Courses and Degrees (Faculty of Law) (Degree of Bachelor of Law) (Amendment No. 33) Regulations; Courses and Degrees (Faculty of Arts) (Degree of Master of Librarianship) (Amendment No. 7) Regulations; Faculties (Amendment No. 104) Regulations; Academic Dress (Amendment No. 7) Regulations; Elizabeth Eggleston Memorial Fund (Amendment No. 1) Regulations



Meeting 7/90 – 24 September Courses and Degrees (Faculty of Education) (Degree of Master of Educational Studies) (Amendment No. 9) Regulations; Courses and Degrees (Faculty of Education) (Degree of Master of Teaching English to Speakers of Other Languages) Regulations; Admission to Courses (Amendment No. 47) Regulations

Meeting 8/90 – 5 November Statute 3.4.6 – Adjunct Professors; Statute 2.4 – The University Teaching Hospitals (Amendment No. 11) Statute and University Hospitals (Membership of the Faculty of Medicine) (Amendment No. 2) Regulations; Statute 2.1 – The Council (Amendment No. 2) Statute; Statute 2.9 - The Committee of Deans (Amendment No. 3) Statute; Statute 3.5 - Administrative Staff (Amendment No. 2) Statute; Statute 9.2 - Election of Members of the Academic Board (Amendment No. 1) Statute; Courses and Degrees (Faculty of Economics Commerce and Management) (Degree of Master of Management) (Amendment No. 4) Regulations; Courses and Degrees (Faculty of Education) (Degree of Bachelor of Educational Studies) (Amendment No. 25) Regulations; Courses and Degrees (Faculty of Engineering) (Graduate Diploma in the Faculty of Engineering) Regulations; Monash University Engineering Faculty Foundation Regulations; Courses and Degrees (Faculty of Science) (Degree of Bachelor of Science) (Amendment No. 6) Regulations; Courses and Degrees (Faculty of Science) (Degree of Bachelor of Applied Science) Regulations; Courses and Degrees (General) (Amendment No. 7) Regulations; Monash University Syme Faculty Foundation Regulations; Admission to Courses (Amendment No. 47) Regulations

Meeting 9/90 - 17 December Statute 1.1 - Interpretation (Amendment No. 9) Statute; Statute 3.3 - Deans, Associate Deans and Subdeans of Faculties (Amendment No. 4) Statute; Courses and Degrees (Faculty of Computing and Information Technology) (Degree of Bachelor of Information Systems) Regulations; Courses and Degrees (Faculty of Computing and Information Technology) (Degree of Master of Business Systems) Regulations; Courses and Degrees (Faculty of Computing and Information Technology) (Graduate Diploma in the Faculty of Computing and Information Technology) Regulations; Courses and Degrees (Faculty of Computing and Information Technology) (Degree of Master of Computing) Regulations; Courses and Degrees (Faculty of Computing and Information Technology) (Degree of Bachelor of Computing) Regulations; Courses and Degrees (Faculty of Education) (Graduate Diploma of Education (Primary)) Regulations; Courses and Degrees (Faculty of Education) (Diploma in Teaching English to Speakers of Other Languages) (Amendment No. 2) Regulations; Faculties -(Amendment No. 106) Regulations; Courses and Degrees (Faculty of Engineering) (Diploma in Pulp and Paper Technology) (Amendment No. 1) Regulations; Courses and Degrees (Faculty of Engineering) (Degree of Bachelor of Engineering) (Amendment No. 8) Regulations; Courses and Degrees (Faculty of Engineering) (Degree of Bachelor of Computer Science and Engineering) (Amendment No. 1) Regulations; Courses and Degrees (Faculty of Professional Studies) (Degree of Bachelor of Arts) Regulations; Courses and Degrees (Faculty of Professional Studies) (Degree of Bachelor of Arts) (Social Sciences) Regulations; Courses and Degrees (Faculty of Professional Studies) (Degree of Bachelor of Arts) (Police Studies) Regulations; Courses and Degrees (Faculty of Professional Studies) (Degree of Bachelor of Arts in the School of Arts and Design) Regulations; Courses and Degrees (Faculty of Professional Studies) (Degree of Bachelor of Technology) (Design) Regulations; Courses and Degrees (Faculty of Professional Studies) (Degree of Master of Arts) Regulations; Courses and Degrees (Faculty of Professional Studies) (Diploma of Applied Science) (Nursing) Regulations; Courses and Degrees (Faculty of Professional Studies) (Graduate Diploma) Regulations; Courses and Degrees (Diploma in the Faculty of Arts) (Amendment No. 13) Regulations; Courses and Degrees (Faculty of Arts) (Graduate Diploma of Environmental Science) Regulations; Courses and Degrees (Faculty of Arts) (Degree of Master of Arts) (Amendment No. 9) Regulations; Courses and Degrees (Faculty of Law) (Amendment No. 35) Regulations; Courses and Degrees (Faculty of Law) (Amendment No. 34) Regulations; Courses and



Degrees (Faculty of Science) (Graduate Diploma in Applied Polymer Science) Regulations; Courses and Degrees (Faculty of Science) (Graduate Diploma on Applied Science) (Water Science) Regulations; Courses and Degrees (General) (Amendment No. 7) Regulations; Academic Dress (Amendment No. 8) Regulations

# Regulations

Regulation 8(1)(h)

The number of internal statutes and regulations made or in force during the year is too numerous to summarise. However, they are printed in the annually revised University Calendar which in 1990 consisted of two volumes. Volume one contained the regulations pertaining to the diploma, degree and higher degree programs offered at Monash and volume two the general statutes and regulations. The Calendar is freely available for purchase within the University.

# Persons employed

Regulation 8(1)(i)

A table detailing staff numbers before and after the institutional mergers is attached as appendix 1.

The University has a staff committee, the terms of reference of which are 'to determine policy only on matters relating to conditions for staff appointments and work which are not contained in those awards of Victorian conciliation and arbitration boards or of the Australian Conciliation and Arbitration Commission which cover University staff'.

During 1990 the following significant changes to staffing policy evolved:

- agreements were reached between the University and staff associations representing academic and general staff, to provide for the merger of Monash with Chisholm Institute of Technology and Gippsland College of Advanced Education;
- a common set of employment conditions was negotiated to cover staff employed at the University under the Universities General Staff Award or the CAE PACCT award other than at Monash University College Gippsland;
- transitional promotion reviews were undertaken to commence integration of academic promotion procedures, to be based solely on merit;
- staff of the former Chisholm Institute were transferred to the University's integrated staff information system for payroll and personnel records purpose.

In July 1990, the University's Equal Opportunity Advisory Committee, a standing committee of Council, was replaced by a reconstituted Equal Opportunity Committee. This step was necessitated by the merger with the former Chisholm Institute of Technology. The committee is required to recommend equal opportunity and affirmative action policies and objectives, to monitor the effectiveness of these programs and to report on progress.

Membership includes representatives of management, staff associations, trade unions and student associations. Composition and terms of reference were agreed in joint meetings of the former equal opportunity committees of Monash University and the Chisholm Institute of Technology before the merger.

The committee recommended to Council a revised equal opportunity policy for the enlarged institution, which incorporated the best features of the pre-existing policies and introduced new concepts in line with developments in equal opportunity legislation. The committee has commenced work on the integration of the affirmative action programs of the merging institutions. The chief objective of the program is to develop an affirmative action program which will promote balanced representation of women and men on equitable terms in all courses, both undergraduate and postgraduate; in all occupational groupings and classifications; and in all decision making bodies.



Specific objectives are concerned with selection and promotion procedures, terms and conditions of employment, staff development, management and decision-making, publicity and education, and provision of childcare.

Arising out of a needs analysis survey various training programs are being developed at Gippsland for the training of staff. In November a program for staff involved on selection panels was offered, with each session well attended.

# Pecuniary interests

Regulation 8(1)(j)

The Monash University Act 1958 states that any member of the Council or of any committee appointed by the Council shall be disqualified from voting on subject matter in which the member has a direct pecuniary interest.

#### Overseas visits

Regulation 8(1)(k)

Officers of the University, in their respective roles, undertook various overseas trips during the year. All of these trips were related to the technical or procedural aspects of their employment or terms of appointment.

# Occupational health and safety

Regulation 8(1)(l)

The University Council approved two new occupational health and safety policies – namely, incident reporting, investigation and recording and a policy with respect to smoking, the occupational health and Safety Policy Committee (OHSPC) initiated a review of ionising radiation safety covering the twenty-three (pre-merger) departments in which ionising radiation is used in teaching and/or research. All laboratories in which ionising radiation is used or stored have been inspected and the review committee will submit its report early in 1991. The OHSPC also requested its road and traffic sub-committee to review the use of bicycles on the Clayton campus, particularly with respect to cycling on footpaths. The sub-committee's report is expected to be finalised early in 1991.

In the second half of the year a strategy for introducing the Monash University OHS structure of zone OHS committees was developed with the campus coordinators at the Caulfield and Frankston campuses. Introduction of this structure was initiated in December 1990.

There were seven fires reported but none of them major. An increased level of OHS awareness was reflected in an increased level of incident reporting. The most serious incidents tended to be those involving musculo-skeletal injuries, particularly amongst cleaning staff. There were also a number of incidents involving hazards such as asbestos, chemicals and dangerous machinery which led to Department of Labour involvement.

Two major projects involving upgrading of the University's 420 fume cupboards and improving fire safety in our buildings continued. Five fume cupboards were upgraded to comply as far as practicable with the Australian standard. Full fire alert and intercommunication systems were installed in the Engineering faculty, the main library and the Hargrave library, Medicine A, B, C, D and E and the Menzies building, and tunnel cabling was laid to enable installation alert systems in other buildings as funds become available. Another major project was initiated – namely, the implementation of the new Dangerous Goods (Storage and Handling) Regulations. The University will develop software to enable chemical inventories to be maintained and to enable the calculations and reports required by the regulations to be generated on a campus by campus basis.

The OHS branch conducted a range of OHS training courses in fire safety (90 attendees) first aid (88 attendees), cardio-pulmonary resuscitation (42 attendees), use of emergency breathing apparatus (73 attendees) and zone OHS committee training (29 attendees). This is an area which continued to require time and effort developing strategies, rehabilitation and education to enable a more structured approach.



The Equal Opportunity and Affirmative Action Committee, the terms of reference of which include 'to recommend equal opportunity and affirmative action policies and objectives, to advise on the development of equal opportunity and affirmative action management plans, to monitor the effectiveness of programs, and to report regularly to staffing committee on progress in meeting program objectives and legislative requirements' met regularly during 1990. Membership of the committee comprises students including a nominee of the Union board, academic staff including a nominee of the Academic Staff Association, general staff including a nominee of ACUSA (Gippsland branch) with the equal opportunity coordinator and equal opportunity officer being ex-officio members.

#### Industrial relations

Regulation 8(1)(m)

The University modified its approach to Industrial Relations during 1990. Due to the amalgamation with Chisholm Institute of Technology the Industrial Relations Branch was created. A staff of a director and two industrial officers will allow the University to react quickly to problems resulting from the merger, award restructuring and other issues.

In 1990 the University, in common with many others across Australia encountered industrial action from academic staff towards the end of the year on award restructuring issues.

Overall the University experienced more industrial action in 1990 than the previous year although the causes were related more to external factors than to internal management practices. There was no consequential quantifiable lost time.

This is an area of continual change at Gippsland, requiring negotiation and provision of advice and follow-up action in relation to the restructuring and efficiency and effectiveness determinations for academic, general and wages staffs.

#### Freedom of information

Regulation 8(1)(n)

The University received sixty-two requests under the Freedom of Information Act for 1990 of which thirty-nine related to access to examination results/script books and the remainder distributed between academic, personal and administrative records. Full access was granted to documentation in all but nine cases whereupon partial access was granted. Prior to amalgamation on 1 July 1990, the Chisholm Institute received no requests for access under the Act. The Gippsland Institute received three requests between 1 January and 30 June 1990 which were satisfied without reference to the Act.

The Victorian freedom of information legislation continues to be a light load on the College at Gippsland due to the open access policy. The freedom of information manager, John Maynard, attended several freedom of information seminars at the Leo Cussen Institute in Melbourne prepared by the Attorney-General's Department. The college produced its regular thirty-page Freedom of Information Part II publication requirement and statistics return as required under the Victorian Freedom of Information Act 1982.

#### Major committees (external)

Regulation 8(1)(o)

There are no major committees established by Monash but external to the University, which deal with public policy matters.

#### Prices, rates and levies

Regulation  $8(1)(p)\mathcal{E}(q)$ 

Overseas students who successfully sought admission into courses were enrolled on a full fee paying basis. Certain graduate and higher degree courses were available for enrolment on a fee paying basis. The student amenities fee in 1990 was \$299 for full-time and \$130 or \$188 part-time depending on the fractional enrolment. The University Union catering areas provide food and



beverages to students and the public at prices marginally lower than market prices. The University charges rentals on properties let at market prices.

# Major financial and performance statistics

Regulation 8(1)(r)

The financial statement comprises a separate section of the report.

#### Performance statistics

Attached as appendix 2 are the following summary tables:

- Appendix 2.1 Institutional mergers enrolments and student load at 31.03.90
- Appendix 2.2 Enrolments by degree and faculty 1989/90
- Appendix 2.3 Student load by course 1989/90
- Appendix 2.4 Past course completions 1988/89

# Statement by principal accounting officer

In my opinion: (a) the financial statements of Monash University present fairly the financial transactions of the University during the financial year ended 31 December 1990 and the financial position of its operations for the year ended on that date, and (b) the financial statements of the body have been prepared in accordance with section 11 of the Annual Reporting Act 1983 and the Annual Reporting (Contributed Income Sector) Regulations 1988.

In addition, I am not aware at the date of signing these statements, of any circumstances which would render any particulars included in the statements to be misleading or inaccurate.

R J Cochrane Principal accounting officer

6 September 1991

Statement by vice-chancellor and comptroller

In our opinion: (a) the financial statements of Monash University present fairly the financial transactions of the University during the financial year ended 31 December 1990, and the financial position of its operations for the year ended on that date, and (b) the financial statements of the body have been prepared in accordance with section 11 of the Annual Reporting Act 1983 and the Annual Reporting (Contributed Income Sector) Regulations 1988.

In addition, we are not aware at the date of signing these statements, of any circumstances which would render any particulars included in the statements to be misleading or inaccurate.

M I Logan Vice-chancellor 6 September 1991 P B Wade Comptroller 6 September 1991 Monash University – accounts for the year 1990

198	RQ			199	00
170	Monash			177	Monash
Consolidated \$000	University \$000		Notes	Consolidated \$000	University \$000
		Equity			
22 326	5 566	Capital	1(c)(iv)	116 065	97 972
13 989	13 989	Reserves	1(c)(v)	553 081	553 015
11 843	3 568	Retained surplus		41 433	30 568
48 158	23 123	Total equity		710 579	681 555
		Current liabilities			
2 970	2 955	Bank overdraft		1 668	1 668
11 807	12 068	Accounts payable and accrued expenses	8	16 119	16 935
4 053	4 053	Student fees received in advance		9 818	9 818
18 868	18 868	Government grants received in advance		28 271	28 271
2 197	2 197	Loans	9(a)	2 217	2 217
		Provision for long service and accumulated			
24 615	24 548	recreation leave	1(b)	38 076	37 939
64 510	64 689	Amounts payable to associated entities  Total current liabilities		<u>344</u> <u>96 513</u>	<u>203</u> 97 051
04 510	04 009			90 313	97 031
		Non-current liabilities			
4 833	4 833	Loans and advances	9(b)	_14 232	14 232
117 501	92 645	Total equity and liabilities		821 324	792 838
		Current assets			
1 142	1 084	Cash at bank and on hand		722	541
4 642	4 711	Accounts receivable	5	8 750	8 673
1 662	1 662	Inventories	4	1 736	1 736
64 203	63 741	Short term investments	7(a)	98 073	97 663
1 847	1 845	Payments in advance		3 031	3 030
263		Amounts receivable from associated entities		50	301
73 759	73.043	Total current assets		112 362	<u>111 944</u>
		Non-current assets			
-		Land and buildings	1(a)(v)	508 048	508 048
-		Leasehold improvements		126	107
17 322	16 999	Equipment	1(a)(iii)		34 313
_	_	Library books	1(a)(iv)		133 902
26 420	2 603	Investments	7(b)		3 869
		Loans	6		655
43 742	19 602	Total non-current assets		708 962	680 894
117 501	92 645	Total assets		<u>821 324</u>	792 838

# Consolidated statement of changes in equity for the year ended 31 December 1990

	Notes	Contributed capital and Crown equity \$000	Funds held for restricted purposes \$000	Funds held in perpetuity \$000	Asset revaluation reserve \$000	Retained surplus \$000	1990 Total \$000	1989 Total \$000
Balance at 1 January 1990		586	4 146	17 594	13 989	11 843	48 158	46 974
Balance at 1 July 1990 (merger)		86 770	501	76	45 792	11 044	144 183	
Surplus for the period						22 193	22 193	8 609
Capital receipts		2 745					2 745	586
Retroactive adjustment for								
Provision for long service leave	1(b)							$(16\ 000)$
Provision for recreation leave	1(b)							$(6\ 000)$
Transfer from retained surplus to								
Contributed capital		626				(626)	-	
Funds held for restricted purposes			1 108			$(1\ 108)$		
Funds held in perpetuity				1 913		(1913)	_	
Asset revaluation reserve Non-current assets capitalised					493 300		493 300	13 989
Balance at 31 December 1990	1(c)	90 727	5 755	19 583	553 081	41 433	710 579	48 158

198				19	
Consolidated \$000	Monash University \$000		Notes	Consolidated \$000	Monash University \$000
		Operating revenue providing fund inflows			
137 055	137 055	Commonwealth Government grants	10	173 330	173 330
1 889	1 889	State Government grants		5 645	5 645
_	-	Victorian Education Foundation grants		2 101	2 101
1 756	1 756	Higher Education Contribution Scheme		3 981	3 981
5 148	5 148	Student fees		11 106	11 106
7	3 842	Grant from Monash University Foundation			4 076
13 116	13 116	Private and indirect Government research grants		19 291	19 291
3 318	3 318	General donations		5 413	5 248
11 859	9 490	Investment income		16 011	12 123
28 259	25 638	Other revenue	11	38 630	34 088
202 400	201 252			275 508	270 989
		Less			
		Operating expense requiring fund outflows			
44 623	46 918	Operating expense		59 463	61 334
127 387	126 354	Salaries and related items		170 048	168 749
3 438	3 430	Scholarships		7 447	7 434
42	20	Audit fees		147	105
805	805	Interest on loans	9(c)	924	924
54	39	Bad debts expense		64	44
367	285	Lease expense		743	287
41		Directors' emoluments		50	
176 757	177 851			238 886	238 877
25 643	23 401	Operating surplus attributable to fund items		36 622	32 112
		Operating expenses not requiring fund outflows			
7 030	6 933	Depreciation		10 926	10 796
2 228	2 191	Provision for long service leave	1(b)	1 307	1 284
387	357	Provision for recreation leave	1(b)	2 152	2 130
_		Provision for doubtful debts		44	44
9 645	9 481			14 429	14 254
_		Operating revenue not providing fund inflows		_	_
(9 645)	(9 481)	Operating deficit attributable to non-fund items		(14 429)	(14 254)
15 998	13 920	Operating surplus before abnormal items	14	22 193	17 858
		Abnormal items			
7 389	7 389	Expenditure on building construction and site works		-	
8 609	6 531	Surplus for the year ended 31 December 1990		22 193	17 858
46 974	24 017	Retained surplus at 1 January 1990		11 843	3 568
		Retained surplus at 1 July 1990 (Merger)	2	11 044	11 456
55 583	30 548	Funds available for appropriation		45 080	32 882
		Less			
		Retroactive adjustments for			
16 000	16 000	Provision for long service leave	1(b)	-	-
6 000	6 000	Provision for recreation leave	1(b)	-	_
		Transfers to reserves			
-	<del></del>	Transfer to contributed capital		626	600
4 146	4 146	Transfers to funds held for restricted purposes		1 108	1 108
17 594	834	Transfer to funds held in perpetuity		1 913	606
11 843	3 568	Retained surplus at 31 December 1990		41 433	30 568

	Notes	Consolidated \$000	Monash University \$000
Source of funds			
Funds from operations			
Operating revenue providing fund inflow		275 891	271 372
Operating expenses requiring fund outflow			
as per revenue and expense statement		238 930	238 921
Operating surplus attributable to fund items	14	36 961	32 451
Contributed equity capital receipts		2 745	2 745
Reduction in assets			
Current assets		120	512
Cash at bank and on hand		420	543
Amounts receivable from associated entities		213	
Increase in liabilities		633	543
Current liabilities			
Accounts payable and accrued expenses		4 312	4 867
Student fees received in advance		5 765	5 765
Government grants received in advance		9 403	9 403
Loans		20	20
Amounts payable to associated entities		344	203
Timodico payable to accomine a similar		19 844	20 258
Non-current liabilities			
Loans and advances		9 399	9 399
Total source of funds		69 582	65 396
Application of funds			
Increase in assets			
Current assets			
Accounts receivable		4 064	3 918
Inventories		74	74
Short term investments		33 870	33 922
Payments in advance		1 184	1 185
Amounts receivable from associated entities		20.102	301
X		39 192	39 400
Non-current assets		22 201	22 601
Land and buildings and equipment		23 381 4 926	22 681 1 266
Investments Loans		655	655
Leasehold improvements		126	107
		29 088	24 709
Leasenoid improvements		27 000	21107
-			
Decrease in liabilities			
Decrease in liabilities Current liabilities Bank overdraft		1 302	1 287

Notes to and forming part of the accounts for the year ended 31 December 1990

## 1 Statement of accounting policies

The accounts have been prepared using an accrual basis of accounting in accordance with the accounting standards issued by the Australian accounting bodies except where stated otherwise, and with the disclosure requirements of the Annual Reporting Act 1983 and the Annual Reporting (Contributed Income Sector) Regulations 1988 as amended.

(a) Non-current assets For the years up to and including 1988 the distinction between capital and recurrent expenditure was not maintained in the Monash University accounting system. The purchases of equipment and the construction of buildings during each accounting period were recorded as recurrent expenditure in that year's accounts.

In accordance with the statutory rules 1988, which refer to the Annual Reporting Act 1983 –

(i) Items of equipment acquired prior to 1989 were recorded at directors' valuation in the 1989 accounts under the heading 'Non-current assets'. The credit side of the entry has been recorded in the asset revaluation reserve. The directors' valuation was based on cost less depreciation accumulated to the date of valuation.

(ii) Depreciation on equipment has been recorded as an expense item in the revenue and expense statement. Depreciation is computed on the straight-line method over the estimated useful life of the assets.

(iii) The non-current item 'Equipment', shown in the statement of balances, consists of the following:

1989			199	90
Consolidated \$000	Monash University \$000		Consolidated \$000	Monash University \$000
24 352	23 932	Equipment at cost	100 183	99 346
7 030	6 933	Provision for depreciation	65 298	65 033
17 322	16 999	Net value at 31 December 1990	34 885	34 313

(iv) The University's collection of library books has been recorded in the 1990 accounts under the heading 'Non-current assets' at directors' valuation as follows:

1989			1990	
Consolidated \$000	Monash University \$000		Consolidated \$000	Monash University \$000
		Campus		
	_	Clayton	125 106	125 106
_	_	Caulfield and Frankston	1 517	1 517
_	_	Gippsland	7 279	7 279
	_	Total	133 902	133 902

(v) The value of land and buildings has been established by formal valuation by the Valuer General of Victoria as at 31 December 1990, and accordingly depreciation of buildings has not been provided for in these accounts. The total value of land and buildings shown in the statement of balances is made up as follows:

1989			199	90
Consolidated \$000	Monash University \$000		Consolidated \$000	Monash University \$000
		Campus		
-		Clayton	348 206	348 206
		Caulfield and Frankston	122 702	122 702
_	_	Gippsland	37 140	37 140
		Total	508 048	508 048

(b) Provision for long service leave and recreation leave For the years up to and including 1988 the University's liability in respect of employee entitlements to long service leave and recreation leave was not recorded in the accounts because the expenditure was charged in the accounts in the year in which the leave was taken or the staff member retired or resigned. Provision for accumulated long service leave and accumulated recreation leave has been

recorded in the revenue and expense statement for 1989 as a retroactive adjustment. Long service leave and annual leave employee entitlements have been calculated and recorded in the 1989 and 1990 accounts on an actual individual liability basis. In the case of long service leave, liability for staff with four years or more eligible service has been brought to account. The total provision shown in the statement of balances is made up as follows:

1989			1990	
Consolidated \$000	Monash University \$000		Consolidated \$000	Monash University \$000
18 228	18 191	Provision for long service leave	26 272	26 218
6 387	6 357	Provision for recreation leave	11 804	11 721
24 615	24 548		38 076	37 939

**(c)** Transfers to reserves The following reserves are recorded in the accounts. The reserve movements are recorded in the consolidated statement of changes in equity.

1989			1990	
Consolidated \$000	Monash University \$000	(	Consolidated \$000	Monash University \$000
4 146	4 146	(i) Funds held for restricted purpose Unexpended private and indirect Government research grants restricted to expenditure on research only		5 755
1110	1 1 10	(ii) Funds held in perpetuity	3 133	
977	834	Specified bequests and donations Monash University Foundation	1 666	1 516
16 617 17 594	834	original capital, augmented for inflation as an income-producing capital base	17 917 19 583	1 516
594	504	(iii) Contributed capital (and Crown equity) Commonwealth Government and State grant lead (contributions to capit	al	00.701
586	586	works and land (see note below)	90 727	90 701
22 326	5 566	(iv) Total	116 065	97 972
13 989	13 989	(v) Fixed asset revaluation reserve	553 081	553 015

Regulation 23(1) of the Annual Reporting (Contributed Income Sector) Regulations 1988 states that Crown payments to a public body which represent capital payments are to be reported as 'contributed capital'. The item contributed capital (and Crown equity) is made up as follows:

	Monash U	_
	\$000	
Capital Commonwealth and State Grants 1989 and 1990		7 599
Equity managed on behalf of the Crown, being the		
value of land and buildings of the Chisholm Institute of		
Technology as established by professional valuers in 1987		
and subsequent reserve adjustments, giving a net balance		
as per the institute's audited accounts at 30 June 1990	73 818	
Capitalised recurrent expenditure as per the institute's		
audited accounts at 30 June 1990	3 784	
	77 602	
Adjusted in line with items raised in the Auditor-general's		
qualifications on the statements as being understated:		
Equity	4 200	
Capitalised recurrent expenditure	1 300	
		83 102
		90 701

#### 2 Principles of consolidation

There was a merger between Monash University, the Chisholm Institute of Technology and the Gippsland Institute of Advanced Education on 1 July 1990. The accounts of the University have been prepared on the basis of consolidating the audited accounts of the Chisholm Institute of Technology and the Gippsland Institute of Advanced Education as at 30 June 1990 and taking account of subsequent transactions from 1 July 1990 to 31 December 1990. In addition to this the accounts have been consolidated on the basis of the University's controlling and beneficial interest in the following associated entities: Montech Pty Ltd, Infertility Medical Centre Pty Ltd, Monash University Foundation, Pelletray Pty Ltd, Monash-ANZ Centre for International Briefing Pty Ltd.

- Montech Pty Ltd The principal activities of the company were the marketing and promotion of commercially viable projects predominantly developed at Monash University. At 31 December 1990, the University owned all the shares in Montech Pty Ltd. The operating loss of the company for the financial year was \$187 654 (1989 \$29 649). The total assets of the company at 31 December 1990 amounted to \$787 460 (31 December 1989 \$604 622). The total liabilities of the company at 31 December 1990 amounted to \$809 629 (31 December 1989 \$505 400).
- Infertility Medical Centre Pty Ltd The principal activities of the company during the year were the provision of medical services, particularly in the area of infertility. At 31 December 1990 the University owned 70 per cent of the shares in Infertility Medical Centre Pty Ltd. The operating profit of the company for the year after charging income tax expense and including extraordinary items was \$nil (1989 nil). The total assets of the company at 31 December 1990 amounted to \$640 859 (31 December 1989 \$535 272). The total liabilities of the company at 31 December 1990 amounted to \$640 759 (31 December 1989 \$535 172).
- Monash University Foundation Monash University Foundation is a trust created by the University in 1983. The University is the sole beneficiary of the trust and received contributions from the foundation in 1990 totalling \$4 076 000 (1989 \$3 842 000).
- Pelletray Pty Ltd The principal activities of the company during the year were property management and investment, which continued unchanged following the merger of the Chisholm Institute of Technology with Monash University on 1 July 1990. At 31 December 1990 the University owned 100 per cent of the shares in Pelletray Pty. Ltd. The operating profit of the company for the six months ended 31 December 1990 was \$119 320.
- Monash-ANZ Centre for International Briefing Pty Ltd The principal activities of the company were those of an international briefing centre in Australia. At 31 December 1990 the University owned 100% of the shares in Monash-ANZ Centre for International Briefing Pty Ltd. The operating profit of the company for the year after charging income tax expense and including extraordinary items was \$nil. The total assets of the company at 31 December 1990 amounted to \$99 119. The total liabilities of the company at 31 December 1990 amounted to \$99 117.

#### 3 Other associated entities

- (a) At 31 December 1990 Monash University was the sole beneficiary and unit holder of two trusts which were created on 16 June 1988 namely the Infertility Medical Centre Pathology Services Trust, which carries out pathology tests in public practice and the Obstetrics and Diagnostic Ultrasound Services Trust, which carries out ultrasound tests in public practice. The University does not have a controlling interest in the income-producing assets of the trusts, and accordingly the trusts have not been consolidated into the University accounts. The University has taken in the distributions by the trusts as income in 1990 as follows: Infertility Medical Centre Pathology Services Trust \$350 000 (1989 \$500 000).
- (b) The Sir John Monash Business Centre Pty Ltd was incorporated on 16 July 1990 on which date it acquired the assets and liabilities of the Sir John Monash

Business Centre joint venture. The company issued 600 000 ordinary \$1 shares as follows:

	\$
50% Council of Adult Education	300 000
50% Monash University	300 000
Issued and fully paid	600 000

At 31 December 1990 the non-current borrowings of the company were as follows:

	\$
Loan from Council of Adult Education	250 000
Loan from Monash University	250 000
	500 000

The operating loss of the company for the period from 16 July 1990 to 31 December 1990 was \$183 951.

### 4 Inventories

Only materials which are purchased and controlled centrally have been reported within the statement of balances. Materials purchased by the University for departmental use and held under the control of individual departments have been expended at the time of purchase. Perpetual stock records were maintained for centrally controlled stock. Stock-takes of centrally controlled stock were completed at 31 December 1990 and valuations at cost were as follows:

1989			1990	
Consolidated \$000	Monash University \$000	C	Consolidated \$000	Monash University \$000
1 076	1 076	Trading bookshop	593	593
294	294	Union and sports and recreation	317	317
73	73	Central building maintenance sto	re 181	181
29	29	Halls of residence	26	26
178	178	Central stationery store	477	477
12	12	Other academic services	142	142
1 662	1 662		1 736	1 736

### 5 Accounts receivable

1989			1990	
Consolidated \$000	Monash University \$000		Consolidated \$000	Monash University \$000
132	132	Accrued Government grants	552	552
1 922	1 897	Trade debtors	3 240	2 962
537	537	Student loan debtors	832	832
	114	Infertility Medical Centre Pty Lt	d —	149
2 031	2 031	Other income receivable	4 112	4 164
20		Loan account – unsecured	14	14
4 642	4 711		8 750	8 673

## 6 Loans receivable - non-current

1989			1990	
Consolidated \$000	Monash University \$000	C	Consolidated \$000	Monash University \$000
		Loans receivable from associated e	entities –	
		Unsecured loan to Sir John		
-	-	Monash Business Centre Pty Lt	d 250	250
_	_	Other loans unsecured	405	405
			655	655

## 7 Investments

Short term investments, common fund investments and Monash University Foundation investments are managed by fund managers and are included in the accounts on the basis of statements from the fund managers.

19	89		19	90
Consolidated \$000	Monash University \$000		nsolidated \$000	Monash University \$000
64 203 64 203	63 741	<ul><li>(a) Current</li><li>Short term investments managed by Westpac, at cost</li><li>Other deposits on term and call</li><li>(b) Non-current</li><li>Investments in managed funds</li></ul>	89 808 8 265 98 073	89 808 7 855 97 663
23 844	-	Monash University Foundation J P Morgan Investment Management Australia Limited, at cost (market value: 31 December 1990 \$26 925 036 31 December 1989 \$27 207 105) Common fund	27 487	-
2 440	2 440	Westpac Investment Management Pty Ltd, at cost (market value: 31 December 1990 \$2 909 720 31 December 1989 \$2 882 432)	2 656	2 656
_	135	135 000 ordinary shares in Montech Pty Ltd 300 000 ordinary shares in	_	135
=	-	Sir John Monash Business Centre Pty Ltd, at cost Deposits with Farrow Group, at	300	300
_	-	valuation based on the face value of Victorian Government bonds	745	745
101	-	Semi-government securities, at cost	118	-
5		Fixed-interest securities, at cost	5	
30 26 420	28 2 603	Other securities, at cost	35 31 346	33 3 869

## 8 Accounts payable and accrued expenses

19	89		199	90
Consolidated \$000	Monash University \$000		Consolidated \$000	Monash University \$000
6 212	5 705	Trade creditors	8 626	8 378
1 813	1 447	Accrued charges	4 583	3 696
2 779	2 779	Group tax	2 129	2 129
519	519	Fringe benefits tax	-	: <del></del> 2
_	1 116	Monash University Foundation	-	1 865
;	18	Montech Pty Ltd	_	86
484	484	Other	781	781
11 807	12 068		16 119	16 935

# 9 Loans payable

19	89		199	90
Consolidated \$000	Monash University \$000	,	Consolidated \$000	Monash University \$000
φοσο	φουσ	(a) Comment	φοσο	φοσσ
		(a) Current Loans from Victorian Public		
		Authorities Finance Agency		
		(VicFin) secured by guarantee		
2 000	2 000	repayable 1 February 1991	2 000	2 000
		Loans from banks secured by mortgage against the revenues of the University		
185	185	repayable 0–1 year	205	205
		Other loans, unsecured		
12	12	repayable 0-1 year	12	12
2 197	2 197	Total current loans	2 217	2 217
		(b) Non-current		
		Loans from Victorian Public		
		Authorities Finance Agency		
		(VicFin) secured by guarantee		
2 000	2 000	repayable 15 June 1996	2 000	2 000
2 007	2 007	repayable 15 September 1997	2 007	2 007
		Loans from banks secured by mortgage against the revenues of	c	
		the University	11	
206	206	repayable 1–2 years	54	54
164	164	repayable 2–5 years	167	167
414	414	repayable over 5 years	8 357	8 357
		Loan, repayable to Student		
		Guild, Caulfield campus, secure	d	
		by occupancy agreement	1 106	1 100
_	_	repayable over 5 years	1 486	1 486
24	2.4	Other loans, unsecured	145	1.45
24	24 18	repayable 1–2 years	145	145
$\frac{18}{4833}$	4 833	repayable 2–5 years Total non-current loans	$\frac{16}{14232}$	$\frac{16}{14232}$
4 633	<del>4</del> 033		14 232	14 232
		(c) Interest expense		
689	689	In 1990 on VicFin loans	806	806
116	116	In 1990 on loans from banks	110	110
$\frac{116}{805}$	<u>116</u> 805	and other loans Total interest expense on loans	$\frac{118}{924}$	$\frac{118}{924}$
003	300	i otal interest expense on loans	74	724

# 10 Revenue – Commonwealth Government grants

19	989		199	90
Consolidated \$000	Monash University \$000		Consolidated \$000	Monash University \$000
123 887 461	123 887 461	Operating grant Teaching hospitals grant Australian Research Council	158 303 487	158 303 487
3 053	3 053	grant Other Commonwealth	4 278	4 278
9 654 137 055	9 654 137 055	Government grants	10 262 173 330	10 262 173 330

## 11 Other revenue

19	89		199	90
	Monash			Monash
Consolidated \$000	University \$000		Consolidated \$000	University \$000
		Outside earnings including income from photocopying, vending machines, special activities, parking etc.  from auxiliary business type		
5 807	5 807	activities	8 291	8 291
8 104	8 104	from academic activities	10 181	10 181
4 408	4 408	Student amenities fees	4 775	4 775
		Student resident fees -		
3 026	3 026	halls of residence	3 859	3 859
1 931	1 931	Rentals and hirings	2 447	1 922
1 006	1 006	Fees for short courses	2 129	2 129
-	-	Profit on disposal of fixed assets	107	107
3 977	1 356	Other income	6 841	2 824
28 259	25 638		38 630	34 088

## 12 Expenditure commitments

19	89		199	90
Consolidated \$000	Monash University \$000		Consolidated \$000	Monash University \$000
1 257	1 257	Capital-equipment grant purchases	1 376	1 376
1 267	1 267	Building expenditure	6 146	6 146
2 524	2 524		7 522	7 522

## 13 Lease commitments

19	189		199	90
Consolidated \$000	Monash University \$000		Consolidated \$000	Monash University \$000
		Rental commitment at 31 December 1990		
280	280	not later than 1 year	1 127	280
280	280	later than 1 year and not later than 2 years	1 193	280
512	512	later than 2 years and	3 269	232
312	312	not later than 5 years		232
		later than 5 years	2 313	
1 072	1 072		7 902	<del></del>

## 14 Reconciliations

Reconciliation of operating result with funds from operations is as follows:

	Consolidated \$000		Monash University \$000
Operating surplus	22 193		17 858
Add			
Depreciation	10 926	10 796	
Provision for long service leave	1 307	1 284	
Provision for recreation leave	2 152	2 130	
Proceeds of sale of fixed assets	490	490	
	14 875		14 700
	37 068		32 558
Less			
Profit on disposal of fixed assets	107		107
	36 961	=	32 451

#### 15 Superannuation funds

The University contributes to the following superannuation funds on behalf of employees.

- (a) Superannuation Scheme for Australian Universities This scheme is a defined benefit scheme and the University makes contributions at the rate of 14 per cent of gross salary. Employees contribute at the rate of 7 per cent of gross salary. The last actuarial review of the scheme was in December 1988 and indicated the fund was in a strong financial position. Total contributions by the University for the year ended 31 December 1990 were \$12 509 382 (1989 \$9 937 753).
- **(b) 'M' Superannuation Scheme** This scheme is a defined benefit scheme and the University makes contributions at the rate of 12.6 per cent of gross salary. Employees contribute at the rate of 6.3 per cent of gross salary. The last actuarial review of the scheme was in December 1987, and indicated the fund was in a strong financial position. Total contributions by the University for the year ended 31 December 1990 were \$93 621 (1989 \$96 631).
- (c) Staff Superannuation Scheme ('A' Scheme) This scheme was introduced under Statute 3.6 of the *Monash University Act* and is an endowment assurance benefit scheme. The University makes contributions at the rate of 10 per cent of gross salary. Employees contribute at the rate of 5 per cent of gross salary. Total contributions by the University for the year ended 31 December 1990 were \$102 229 (1989 \$76 329).
- (d) Monash University (Non-Academic) Superannuation Scheme This scheme is an endowment assurance benefit scheme and the University makes contributions at the rate of 5 per cent of gross salary. Employees contribute at the rate of 5 per cent of gross salary. Total contributions by the University for the year ended 31 December 1990 were \$2,959 (1989) \$3,687).
- (e) Tertiary Education Superannuation Scheme This scheme is a cash accumulation productivity scheme and the University makes contributions at the rate of 3 per cent of gross salary. Employees have no requirement to contribute. Total contributions by the University for the year ended 31 December 1990 were \$3 626 622 (1989 \$2 934 318).
- (f) State Superannuation Board of Victoria Employees contribute between 3 per cent and 8 per cent of annual salary depending on their age. The University is required to pay periodically the emerging cost in respect of employees who have retired. For the six months ended 31 December 1990 this cost was \$1 130 493.

No provision has been made for the future pension costs of former employees who are members of the Victorian State Superannuation Scheme. Such costs are accounted for as and when they emerge and are invoiced to the University by the trustees of the scheme. The impact of this cost has been lessened by the announcement in 1981 by the Minister for Education that the Commonwealth Government had decided to assist with the additional superannuation costs to institutions for staff in State Government emerging cost schemes such as the Victorian State Superannuation Scheme. This additional funding by way of supplementation relates to costs beyond those incurred in 1981.

Monash University – accounts for the year 1990

## Auditor-general's report

The accompanying financial statements comprising balance sheet, revenue and expense statement, consolidated statement of changes in equity, statement of sources and application of funds and notes to the financial statements of Monash University and of the group have been audited as required by the Annual Reporting Act 1983 and in accordance with Australian Auditing Standards.

The group consists of the Monash University and its subsidiaries, Montech Proprietary Limited, Infertility Medical Centre Proprietary Limited, Monash University Foundation, Pelletray Proprietary Limited and Monash-ANZ Centre for International Briefing Proprietary Limited.

(i) As stated on note 7(b) to the financial statements, the investments held in managed funds totalled \$30.1 million. These investments and the related income of \$4 million have been included in the financial statements on the basis of statements furnished by the fund managers. As audit was unable to independently verify these investments and the related income I am not in a

position to, and do not, express an opinion on these items.

(ii) In the revenue and expense statement, the University has distinguished between revenue and expense items involving fund inflows and outflows and those not requiring fund inflows and outflows. This approach is required by the Annual Reporting (Contributed Income Sector) Regulations 1988. The statement prepared on this basis discloses a net surplus of \$22.2 million for the year after incurring total expenses of \$253.3 million and earning total revenues of \$275.5 million. I consider that disclosure of all revenue and expense items on an aggregate basis, with no distinction between fund inflows and outflows and with separate reporting of supplementary information of a funding nature, would result in a clearer presentation of the University's performance.

In my opinion, except for the effect of the matters referred to in paragraph (i) above, the financial statements comply, in all material respects, with the requirements of the Annual Reporting Act 1983 and present fairly the state of the affairs of the Monash University and of the group as at 31 December 1990 and the results of its operations for the year ended on that date in accordance with the Statements of Accounting Concepts and Australian Accounting

Standards.

C A Baragwanath Auditor-general 9 October 1991

- 1 Staff numbers before and after institutional mergers
- 2.1 Institutional mergers enrolments and student load
- 2.2 Past course completions 1989/90
- 2.3 Enrolments by degree and faculty 1989/90
- 2.4 Student load by course 1989/90
- 3 Graduates of the university 1990

## 1 Staff numbers before and after institutional mergers

Function		Academic		1	Non-academic			Total			
	Female	Male	Total	Female	Male	Total	Female	Male	Total		
Before mergers											
FT & FFT*	346	880	1 226	932	738	1 670	1 278	1 618	2 896		
Casual	41	68	109	24	2	26	65	70	135		
Total	387	948	1 335	956	740	1 696	1 343	1 688	3 031		
After mergers											
FT & FFT*	505	1 293	1 798	1 253	954	2 207	1 758	2 247	4 005		
Casual	97	119	216	70	25	95	167	144	311		
Total	602	1 412	2 014	1 323	979	2 302	1 925	2 391	4 316		

## 2.1 Institutional mergers - enrolments and student load

Monash University, Chisholm Institute of Technology and the Gippsland Institute of Advanced Education merged in July 1991 to form Monash University. The table below summarises the effects on institutional enrolments of Monash University.

		Enrolments		<b>7</b> 7. 1			
	Male	Female	Total	Total student load			
Chisholm Institute	5 204	4 557	9 761	7 494			
Gippsland Institute	2 037	2 617	4 654	2 899			
Monash University	7 946	7 948	1 589	14 060			
Total	15 187	15 122	30 309	24 453			

## 2.2 Past course completions 1988/1989

Broad specialisation		Higher	Other th	Other than higher degree			
•	degree		Postgraduate	Bachelor	Sub-total	Total	
Arts, Humanities, Social Sciences	1988	37	59	808	867	904	
	1989	105	71	771	842	947	
Business, Administration, Economics	1988	59	19	463	482	541	
	1989	104	15	432	447	551	
Education	1988	77	346		346	423	
	1989	133	297	0	297	430	
Engineering, Surveying	1988	28		178	178	206	
	1989	47	1	197	198	245	
Health	1988	11		164	164	175	
	1989	25	13	180	193	218	
Law, Legal Studies	1988	17	21	283	304	321	
	1989	11	22	277	299	310	
Science	1988	55	12	659	671	726	
	1989	59	5	667	672	731	
Total	1988	284	457	2 555	3 012	3296	
	1989	484	424	2 524	2 948	3432	
Number of students for which							
completions are being reported	1988	284	457	2 524	2 981	3265	
Number of students for which			w= 127			2127000	
completions are being reported	1989	484	424	2 489	2 913	3397	

# 2.3 Enrolments by degree and faculty 1989/1990

			ull-time				-time			Total			
Faculty		nale	Total			male		otal		male		otal	
by level	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990	
Arts (1)													
Higher degree	152	196	286	343	194	216	315	376	346	412	601	719	
OTHD	1 976	2 014	2 732	2 773	651	700	826	965	2 627	2 714	3 558	3 738	
Total	2 128	2 210	3 016	3 116	845	916	1 141	1 341	2 973	3 126	4 157	4 457	
Arts/Engineering (14)													
Higher degree	0	0	0	0	0	0	0	0	0	0	0	0	
OTHD	3	16	8	31	0	0	0	0	3	16	8	31	
Total	3	16	8	31	0	0	0	0	3	16	8	31	
Arts/Law (15)													
Higher degree	0	0	0	0	0	0	0	0	0	0	0	0	
OTHD	347	406	510	600	37	35	60	57	384	441	570	657	
Total	347	406	510	600	37	35	60	57	384	441	570	657	
Economics (2)													
Higher degree	62	69	167	160	87	83	306	345	149	152	473	505	
OTHD	703	760	1 628	1 755	116	128	303	302	819	888	1 931	2 057	
Total	765	829	1 795	1 915	203	211	609	647	968	1 040	2 404	2 562	
ECOPS/Engineering (													
Higher degree	0	0	0	0	0	0	0	0	0	0	0	0	
OTHD	5	7	60	61	0	0	6	4	5	7	66	65	
Total	5	7	60	61	0	0	6	4	5	7	66	65	
ECOPS/Law (25)				01					_	-			
	0	0	0	0	0	0	0	0	0	0	0	0	
Higher degree	160	107	0 450	0	0	0	0 26	17	174	190	485	558	
OTHD	168	187	459	541	6	3	26	17	174	190	485	558	
Total	168	187	459	541	6	3	20	17	1/4	190	400	336	
Education (3)										2.0	12/4/12/	9000	
Higher degree	109	142	179	226	277	276	440	426	386	418	619	652	
OTHD	164	172	228	249	224	245	286	314	388	417	514	563	
Total	273	314	407	475	501	521	726	740	774	835	1 133	1 215	

	Full-time					Part	-time			7	Total	
Faculty	Fer	male		Total	Fe	male		otal	Fe	male		otal
by level	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990	1989	1990
Engineering (4)												
Higher degree	14	14	146	151	10	3	119	111	24	17	265	262
OTHD	116	138	938	1 014	5	9	32	55	121	147	970	1 069
Total	130	152	1084	1 165	15	12	151	166	145	164	1 235	1 331
Engineering/Law (45)												
Higher degree	0	0	0	0	0	0	0	0	0	0	0	C
OTHD	3	2	17	16	0	0	0	1	3	2	17	17
Total	3	2	17	16	0	0	0	1	3	2	17	17
_aw (5)												
Higher degree	6	4	26	22	35	37	108	113	41	41	134	135
OTHD	77	83	150	167	53	75	120	132	130	158	270	299
Total	83	87	176	189	88	112	228	245	171	199	404	434
Medicine (6)												
Higher degree	70	115	151	238	77	88	170	173	147	203	321	413
OTHD	370	366	868	862	5	7	11	14	375	373	879	876
Total	440	481	1 019	1 100	82	95	181	187	522	576	1 200	1 287
Science (7)												
Higher degree	73	65	234	232	16	19	62	63	89	84	296	295
OTHD	1 006	1 033	2 095	2 184	119	125	274	261	1 125	1 158	2 369	2 445
Total	1 079	1 098	2 329	2 416	135	144	336	324	1 214	1 242	2 665	2 740
Science/Engineering (74	)											
Higher degree	0	0	0	0	0	0	0	0	0	0	0	C
OTHD	38	49	368	395	0	1	4	11	38	50	372	406
Total	38	49	368	395	0	1	4	11	38	50	372	406
Science/Law (75)												
Higher degree	0	0	0	0	0	0	0	0	0	0	0	(
OTHD	52	57	125	129	1	3	4	5	53	60	129	1 34
Total	52	57	125	129	1	3	4	5	53	60	129	1 34
Totals												
Higher degree	486	605	1 189	1 372	696	722	1 520	1 607	1 182	1 327	2 709	2 979
OTHD	5 028	5 290	10 186	10 777	1 217	1 331	1 952	2 138	6 245	6 621	12 138	12 91.
Total	5 514	5 895	11 375	12 149	1 913	2 053	3 472	3 745	7 427	7 948	14 847	15 89

	Course	31 March	1989	1990	
Vo.	code (307)	Course	Faculty	EFTSU	EFTSL
	0002	Bachelor of Arts	Arts	2 806	2 814
	0050	Bachelor of Science	Science	2 004	2 002
	0023	Bachelor of Economics	Ecops	1 612	1 674
	0032	Bachelor of Engineering	Engineering	932	1 030
	0040	Bachelor of Medicine & Bachelor of Surgery	Medicine	850	844
	0080	Bachelor of Arts & Bachelor of Law	Arts/Law	520	620
	0091	Bachelor of Economics & Bachelor of Law	Ecops/Law	477	568
	0085	Bachelor of Science & Bachelor of Engineering	Science/Engineering		390
	0078NC	Master of Educational Studies	Education	267	269
)	0028FC/NC	Master of Business Administration	Ecops	257	256
1	0051	Bachelor of Science (Honours)	Science	193	222
2	0017NC	Master of Arts – coursework	Arts	174	204
3	0047N	Doctor of Philosophy Medicine	Medicine	164	20
1	0074N	Diploma in Education	Education	190	194
5	0004	Bachelor of Social Work	Arts	162	179
5	0057N	Doctor of Philosophy Science	Science	162	16:
7	0003	Bachelor of Arts (Honours)	Arts	122	128
3	0086	Bachelor of Science & Bachelor of Law	Science/Law	119	12'
9	0061	Bachelor of Laws	Law	122	124
)	0017NR	Master of Arts – Research	Arts	103	110
l	0102	Bachelor of Information Systems		77	
2	0055NR	Master of Science – Research	Ecops Science		108
3				84	89
) 	0020N	Doctor of Philosophy Arts	Arts	89	8'
;	0037N	Doctor of Philosophy Engineering	Engineering	87	8:
	0079N	Doctor of Philosophy Education	Education	66	79
)	0089	Bachelor of Jurisprudence & Bachelor of Laws	Law	64	70
7	0036NC	Master of Engineering Science – Coursework	Engineering	78	74
3	0083	Bachelor of Economics & Bachelor of Engineering	Ecops/Engineering	64	62
)	0068FR/NR	Master of Laws	Law	71	60
)	0075N	DipEdPsych	Education	2.7	62
l	0111N/F	Diploma in TESOL	Education	25	58
2	0118	Cross-Institution Course – Arts	Arts	36	5
	0056NC	Master of Environmental Science	Arts	38	52
ŀ	0103N	Diploma in Business Systems	Ecops	37	48
,	0036NR	Master of Engineering Science-Research	Engineering	49	4
5	0112NC	Master of Educational Policy & Administration	Education	21	43
	0110F/N	Diploma in Accounting	Ecops	10	39
	0073N	Bachelor of Special Education	Education	52	3
	0072N	Bachelor of Educational Studies	Education	46	3
)	0046NC	Master of Public Health	Medicine	29	3'
	0157	Bachelor of Computer Science & Enginineering	Science		3
	0029N	Doctor of Philosophy Ecops	Ecops	29	3.5
	0082	Bachelor of Arts (Hons) and Bachelor of Law (Hons)	Arts/Law	31	33
	0024	Bachelor of Economics (Honours)	Ecops	28	33
	0054N	Master of Science (Preliminary)	Science	37	3:
	0114N	Diploma in Australian Tourism	Arts	29	3
	0158NC	Master of Psychology	Medicine		3:
	0116	Bachelor of Arts & Bachelor of Engineering	Arts/Engineering	8	30
)	0045NC	Master of Psychological Medicine	Medicine	26	27
)	0084	Bachelor of Economics (Honours) & Bachelor of Laws	Ecops		20
		Other courses	en .	595	702
		TOTAL		13 176	14 060

Subject to rounding error

# 3 Graduates of the University 1990

Graduates 1963–69 are listed in the 1970 Calendar (volume one); Graduates 1970–74 are listed in the 1975 Calendar; Graduates 1975–78 are listed in the 1979 Calendar; Graduates 1979–80 are listed in the 1981 Calendar; Graduates 1981–87 are listed in the Calendar; Graduates 1981–87 are listed in the Calendar published in the year following the year of graduation; from 1988 Graduates are listed in the Annual Report in the year of graduation.

## Doctor of Philosophy (Arts)

Bennett, Elizabeth Jane Chandler, Glenys Narelle Cushing, Angela Alice Fitzpatrick, Peter Henry Foster, Kevin Dennis Gamage, Sirisena Hodge, Roland Errol Kwasitsu, Lishi Langfield, Michele Christine Martin, Susan Kaye McKenzie, Gwendolyne Merna Mora, Manolete Murray, Rosemary Susan O'Brien, Angela Mary Rainer, Valina Joyce Ryzman, Marlene Rochelle Senawong, Pornpimol Sjamsuddin, Helius Song Jae Jung Storey, Catriona Jean Tan Sooi Beng Tasker, Megan Mary Tiwari, Uma Wearne, Jennifer Mary Zion, Lawrence Myer

### Master of Arts

Allen, Wendy Frances Diana

Au, Betty Po-Kay Banks, Lisa Caroline Batten, Sally Caroline Bell, Richard Laird Bolwell, Beth Bullock, Eileen Lorraine Cairo, Rosanna Campbell, Jan Catherine Campion, Katrina Jane Carr, Paula Therese Crooke, Alan John Crotty, Joel Thomas Dunkley, Michael John Eckstein, David Rohan Ellerington, Kerry Joy Fuller, Peter Joseph Germain, Lore Grabacki, Miroslaw Arthur Griffiths, Michael Hawes, Michael Andrew Rhys Hicks-Williams, Linda Violet Horrocks, Linley Charles Houghton, Norman Max Irving, Estelle Catherine Kamene, Sakarepe Keosai Kaur, Pretam Kinnane, Josephine Jill Leask, Susan Leuscherner, Ariane Lockman, Paul Francis Lowe, John Robert Lui Kai-Lam, Kavin Maher, John Joseph Moryto, Tadeusz Mrksa, Kresimir Muhartoyo, T L Muller, Nicole Mary Nelson, Eva-Maria Nunn, Kathryn Evelyn Okai, Benjamin Christian Owen, Lesley Marion Parmenter, Ann Rodgers Pinda, Monica Rose Pizzaia, Alberto Maria Poppenbeek, Patricia Marie-Therese Purvis, Kay Elizabeth Rudolph, Anne Michelle Ruth, Julie Anne Rutter, Anthea Susan Savige, Robert John Seddon, Jennifer Marie Shea, Catherine Mary Sheehan, Margaret Mary Catherine Sherwood, Anne Elizabeth Sloan, Andrew James Smith, Owen Rolfe Stahmer, Hazel Doreen

Stewart, Robert Kenneth Symons, Edelweiss Noreen Talbot, Dennis Charles Thom, John Joseph Thomson, Lisa Margaret Tomas, Natalie Rose Wade, Christopher William Woodgate, Kenneth Bartlett Yelland, Sheryl Yeo Lian Bee, Katherine

#### Master of Environmental Science

Bottomley, Eric Campbell, Stuart John Carolan, John Daniel Cock, Micheal Winston Davidson, Richard Gengoult Donnelly, Alister John Holmes, Noni Leighty, Robin Lucille Makowski, Jan Michal Mill, David John Mouthaan, Hermanus Karel Alexander Mueck, Stephen Garry Newall, Peter Raymond Rea, Jeannee Elizabeth Smyth, Robert James Tacey, Anne Marie Tao Xiao Wen White, Lesley Janice

## Master of Librarianship

Bender, Jeffrey Saul Damayani, Ninis Agustini Gunapala, Matara Arachchillaya Lugton, Mary Evelyn Marshall, Denise Marilyn Steel, Kathryn May

#### Bachelor of Arts with Honours

Beal, Mary Elizabeth Berehulak, Anna Stephanie Borg, Angela Bousioutas, Rosemary Brewer, Stephanie Lynne Brittlebank, Katherine Lucy Byron, Patricia Anne Carullo, Stephanie Casey, Marie-Therese Casey, Michael Alan Chin, Jennifer Anne Clifford, Alison Mary Cole, Lynette France Collinson, Wendy Elizabeth Cox, Margret Hilda Crosbie, Paul Anthony Cuming, Elizabeth Claire Davison, Remy Oliver de Pagny, Jennifer Margaret Delany, Anita Marianne Dell, Miriam Blanche Denning, Nigel Christopher Derks, Ingrid Magdalena Anne DiConza, Diana Evans, Glynis Susan Thorley Fealy, Gregory John Ferrari, Christine Elizabeth Fletcher, Robyn Wendy Fletcher, Robyn Wendy Francis, Steven William Geitenbeek, Monique Denise Goodsall, Andrew Roger Gormley, Patricia Mary Grocott, Claudia Ina-Maria Grundy, Larissa Gruszka, Lidia Haeusler, Peter Edwin Harle, Katherine Jane Hinze, Gwenith Álicia Hore, Natalie Kaye Huon Inderbitzin, Ivan Jones, Mary Lucille Julien, Catherine Christine

Kapel, Michael Abraham Keightley, Monica Maria Kennett, Jeanette Marie Krueger, Reinhold Werner Lausch, Elisabeth Law, Shirley Anne Lawson, Frances Maureen Lee, Simon Warner Lenshinsky, Judith Rebecca Leong, Roger James Leong, Roger James Lester, Thomas Lionel MacDonnell, Sharon Louise Mack, Cornelia Mandalios, John Manning, Angela Grace Masters, Robyn June McCarthy, John Fitzgerald McKane, Anne McLean, Ian Andrew Meyer, Elizabeth Grace Michell, Alexandra Anne Michell, Christopher Leonard Mora, Teresa Aida Morris, Andrew Fenton Morrison, Jane Murdoch, Yvonne Therese Nadolny, Mark Norton, Andrew John O'Connell, Stephen John O'Grady, Glen Keith Ong, Chan Wei David Orr, William Robert Parker, Caroline Heather Peard, Julie Narelle Pearson, Deborah Jane Petrass, Iris Joan Pew, Fiona Marion Pitt, Joyce Elaine Pollard, Celia Pollard, Sonya Michelle Popley, Maria Melissa Popp, Wilhelm Raabe, Karen Maria Rapson, Virginia Joy Roberts, Barbara Anne Robinson, Anthony Gerard Robinson, Gillian Barbara Rosenberg, Craig Daniel Scott, Cathrine Ann Scott, Jillian Marie Shallcross, Jacqueline Maree Share, Christopher Patrick Steer, Marie Bernadette Straszynski, Jadwiga Krystyna Sturgess, Nancy Ellen Taylor, Susan Lorraine Thurairatnam, Sunitha Villegas, Immaculada Waller, Vivian Gail Watts, Caroline Gay Weller, Bridget Emily Wells, Peter Anthony White, Pamela Dawn Whiteley, David Andrew Wischer, Philip lan Yong Wei Wen, Benedict

#### Bachelor of Arts

Abel, David Frank Adler, Ben Agussol, Nathalie Karin Alefanti, Vassiliki Konstantina Alexander, Brendon Craig Alexander, Sharon Louise Alexopoulos, Georgina Alisak, Fatima Allen, Nicole Anne Amies, Clare Patricia Andriopoulos, Andreas Antoniou, Joanna Arendsen, Clara Janine Argyriou, Peter Arter, Jacqueline Mary Arthur, Carolyn Maree Askew, Margaret Astarlis, Effie

Atherton, Rohan Patrick Atkinson, Christopher Douglas Stewart Atkinson, Katherine Auld, Joan Rita Balayannis, Arthur Baldwin, Julie Ann Balla, Amanda Julie Banks, Alison Noel Barca, Richard Gregory Barkehall-Thomas, Susan Jacqueline Barker, Kingsley Andrew Barnes, Lynda Michelle Barratt, Matthew Pierre Barrett, John James Barrett, William Peter Barry, Brendan Laurence Bayliss, Caroline Isobel Beazley, Matthew Charlton Bedford, Louise Marie Begg, Alison Margaret Bellion, Elizabeth Teresa Bennett, Glenn Douglas Bennetto, Catherine Mary Bijkersma, Michelle Irana Binks, Julie Anne Birch, Anthony John Bisogni, Adrianna Giulia Black, Barbara Joan Blackmore, Fiona Elizabeth Blight, Andrew Thomas Bloom, Daniel Bloom, Rodney Charles Bocanegra, Ricardo Jose Boland, Anna Louise Bolduan, Mark Atkins Borthwick, Michael John Bortoluzzi, Dominic Robert Boss, Michael Andrew Bourekas, Constantina Bowles, Howard James Bradley, Justine Rae Bragg, Catherine Ida Brennan, Paula Ann Brennan, Rachael Patricia Brett, Luisa Francesca Bromberger, Susie Michelle Brook, Nicholas Maxwell Anderson Brooks, Lynne Michelle Brotchie, Natasha Louise Bull, Karen Leigh Bult, Georgina Elizabeth Burbeck, Liene Burch, Meg Louise Burke, Mary Jane Burrett, Joanne Lee Caillard, Peter Henry Cain, Ellery John Campbell, Neill Francis Cancian, Maria-Louisa Canning, Eva Raelene Carter, Leon James Carthew, Alison Jane Casper, Steven Mark Casson, Teresa Cattanach, Camille Christine Cavanagh, Kerry Raelene Centofanti, Anna Chandler, Sharon Lisa Chandler, Vicki Alison Charak, Pearl Hanna Chataway, Carolyn Maree Chau, Michael Cho-Shong Chong, Terry Christie, Elena Francis Christie, Margarette Ann Christie, Valda Anne Clancy, Patricia Mary Clarke, Catherine Maree Cochrane, Lynanne Cody, Joanna Adrienne Cogdon, Melissa Anne Cohen, Katrina Norah Collins, Nicholas John Collyer, Margaret Naomi Condos, George Connellan, Joseph Micheal Coperchini, Daniela Marina Cornwell, Grace

Cousland, Robert Mckay

Cox, Michael John Cox. William David Crilly, Ruth Kristine Croce, Gina Cross, David Anthony Crotty, Joel Thomas Crowe, Annabel Louise Crowe, Benedict Joseph Crowe, Elizabeth Maria Crowley, Paul Francis Curtain, Judith Mary Curtis, David Peter D'Alessandro, Marisa Dahl, Gitte Elaine Dahlsen, Geoffrey Christian Dalamagas, Vicky Daniels, Elisabeth Melinda Davenport, Marcus John Davey, Alicia Jane Davey, Bruce Cameron David, Samuel Stephen Davis, Kara Dawn Dawson, Amanda Julia De Iulio, Fiona De Pedro, Alicia de Niese, Carmen Joan Dean, Lynette Faye Degiovine, Patricia Ivana Delahunty, Brendan Paul Demicoli, Andrew Paul Dimas, Angela Dimopoulos, Fany Distefano, Rosetta Dodds, Brian William Dods, Alison Heather Doherty, Michelle Linda Douglas, Kirsty Jean Stuart Dounas-Glykokalamos, Vassiliki Dowling, Sophie Caroline Drobotiuk, Tania Helen Duke, Adam Gordon Duke, Kathryn Ellen Dunscombe, Imke Kordula Dwyer, Bridget Philippa Edmondson, Mark Edwards, Maree Elizabeth Ellenport, Deborah Ruth Evangelou, Helena Evans, Ilsa Christine Fahey, Lauren Samantha Feroce, Maria Santina Fink, Naomi Fiorenza, Antonella Fisher, Robert Bruce Flanagan, Kimberley Jane Fleet, Antony Charles Folliard, Gabrielle Mary Fong Lu-Chin Forsyth, Annabel Kate Fortune, Bernice Ingrid Franes, Jim Franes, Maria Frazer, Janette Mary Freeman, Mark Andrew Freer, Elizabeth Jane French, Robert Gregory Friedrich, Timothy Charles Fry, Robyn Anne Gabriel, Kelly-Anne Galanis, Anthia Gallagher, Heather Maree Gandur, Judy Gatsios, Freda Gattuso, Timothy Frederick Gault, Samantha Gay, Michelle Millicent Gedge, Deanne Nicole George, Cameron McDonald Georgiades, Christina Geremia, Gabrielle Marie Giannopoulos, Garifalia Giannopoulos, Penelope Gibbs, Anne Veronica Gibbs, Florence Marjorie Gill, Kerry Ann Glickfeld, Jonathan Gojak, Melissa Jane Goldberg, Daniella Goldman, Samantha Anne

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Sutherland, Paul John

Sutherland, Samantha Elizabeth Svendsen, Helga Sweeney, Donna Frances Lucia Sweeney, Elizabeth Joyce Tandy, Melissa Jane Taurua, Meredith Ann Taylor, Fred William Taylor, Marietta Bernadetta Geertruida Teh, Wee Nee Telford, Fiona Mary Terniotis, Theodora Theodore, Carolyn Barbara Theoharis, Maria Thomas, Joanne Michelle Thomas, Joanne Winifred Thomson, Lisa Jane Tierney, Heidi Louise Tiganis, Mary Tilson-Rees, Juliet Emily Tokatlian, Nicole Marie Tozer, Deirdre Leah Trainor, Kate Amelia Triandafillidis, Vivien Antonietta Triantafillopoulos, Nicholas Trickey, Jane Ann Trotter, Georgia Kaye Truman, Dirk Anthony Tupcienko, Margarita Irena Turnbull, Jillian Margaret Vainomae-Hoffmann, Linda Ann Van Dyke, Yvonne Caroline Varsamidis, Magda Vengust, Melita Ann Verhagen, Darrin Sean Vernall, Lynette Beryl Verspaandonk, Andrew Josh Viskich, Sophie Kathleen Vivoda, Tania Anne Voudouris, Meropi Waddington, Deborah Anne Walker, Michelle Ann Walker, Sarah Margaret Wearne, Bernice Mary Wearne, Katy Webb, Juinanne Richardson Webb, Susan Margaret Weinberger, Nancy Weir, Moana Weller, Torsten Alf Welsh, Fiona Lee Wheeler, Prudence Jane White, Jane Louise Whitehouse, Genevieve Uelya Widdicombe, Tonia Margaret Wilke, Karen Nicole Wilkinson, Angela Jane Wilksch, Christine Elizabeth Willaton, Claire Therese Williams, Fiona Maree Wilson, Betty Ann Halpern Wilson, Carrie Jane Wilton, Anne-Louise Winter, Colin Kenneth Winter, Dawn Marie Winton-Smith, Tania Maree Wolters, Catherine Anne Wong, Melinda Wai-Kwan Wood, Jane Elizabeth Worme, Trudy Anne Wotley, Rebecca Ann Wraith, Lachlan Daryl Yildiz, Reyhan Young, Fiona Maree Young, Jodie Melinda Zacharidis, Steven Zipkas, Karen Lee

# Bachelor of Social Work with Honours

Dix, Antoinette Maria Flynn, Catherine Anne Kersey, Roger Charles Mason, Jan Elizabeth O'Brien, Julie Marion Russell, Mark James

#### Bachelor of Social Work

Alisandratos, Argiri Bakos, Jane Margaret Barnett, Keren Sarah Barrie, Sharon Heather Berg, Cilla Blum, Miriam Sharona Bruce, Angela Mary Cambourne, Trina Rae Dennis, Bronwen Gaye Douvos, Tina Forster, Rosemary Gwenyth Gaddie, Elaine Merle Galante, Mema Anne Gondor, Ilona Grant, Barbara Jameson, Richard John Lee, Jeanette Marriott, Anne Musumeci, Pamela Navler, David Scott Noonan, Mark Rainbow O'Neill, Joanne O'Neill, Rhonda Gale Pappaioannou, Vicky Pipakis, Despina Pratt, Ann Marie Ralton, Ellyane Gaye Roet, Carole Sue Semple, Loris Ioan Sheehan, Darren Andrew Skondreas, Mary Sposaro, Marisa Stephens, Hanna May Strickland, Vicki

## Doctor of Philosophy (Economics & Politics)

Farfalla, Aldo Khaidir-Anwar, Dewi Fortuna Moshirian, Fariborz

## Master of Administration

Bronk, Graham Phillip

#### Master of Business Administration

Alston, Richard Kenneth Robert Alway, Lesley Rose Louise Anderson, Alastair Andrew Ang Aik Pin Angus, David John Finlay Arambewela, Rodney Amarasinghe Arblaster, Margaret Peta Bailey, Graeme Charles Baker, John Henry Barut, Meropy Bazzani, Robert John Bennington, Lynnette Anne Berizzi, Steven George Bevege, Jane Ellen Blackwell, Bruce Arnold Boal, Trevor John Brewer, Michael Chandrajit, Thiagarajah Cheng Po-Ling, Alan Chung Hing Hing Clarke, Brian Ashmore Cook, Jennifer Anne Crawford, Russell Raymond Darby, Jennifer Lynne De Silva, Christopher Jehan Donald, Christopher Thomas Drosdowsky, Lynda Murray Edmonds, John Arthur Gerard Fong, Martin Foott, David Leslie French, Glenys Lesley Fronsko, Andrew Leigh Gleason, Gregory Charles Gleeson, James Alan

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### Master of Economics

Brailsford, Timothy John Bull, Malcolm Charles

Yee, Seng Joo

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Chang Wing Fu, Stephen Dheerasinghe, Rupa Gay, Grant Edmund Jin-Ho Park Smarrelli, Pasqualina Tilley, Paul Anthony

## Master of Management

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# Bachelor of Economics with Honours

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## **Bachelor of Economics**

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Terrill, lustin lohn Thodos, Nicholas James Thoo, Li Ching Tiong Chiong Hiiung Tiong Ian Ping Tolley, Andrew Mark Tomaras, Effie Trembleau, Yves Andrew Triandos, Angelo Triantopoulos, George Tsagarakis, Angelo Arthur Tsikrikos, Vasilios Tung Lian Tang Turnnidge, lan David Vanderzalm, Jason Paul Velahoutakos, Pauline Panagiota Vitale, Peter Gregory Wai Mun Wan Walker, Douglas Keith Wall, Jason Henry Wallace, Katrina Margaret Frances Walmsley, Stephen John Warren, Alan John Watt, Jenny Wai Yee Wearne, David William Webber, Vaughan Webster, Nicole Wee, Ai Ning Wilkinson, Louise Anne Williams, Lisa Ann Williams, Nicola Lowri Beatty Wilson, Christopher John Wiseman, David William Wong Chee Chin Wong King Kong Wong Siu Bing, Eileen Wong Yuee Liang Wong, Anna Mei Leng Wong, Tat Seng Woo So Yin Wood, Timothy Mark Woodward, Diane Wu, Mitchell Patrick Wylie, Amanda Jane Yap Siew Leng Yap Siew Thee Yap, Kid Whai Yeo Chun Lian, Christopher Yeoh Eng Kong, Patrick Yeow, Siew Thin Yip Wei Mun Yong Teck Sun Yong, Sook Voon Yu Pui Man Yusoff, Norielim Zheng, Xiaomin Ziessink, Andrew John Zimmaro, Louise Marie Zippel, Laureen Ann

# Doctor of Philosophy (Education)

Zufi, Fiona Rochelle

Boeha, Beno Bartholomew Tomon Clarke, David John Garrard, Janice Elizabeth Ho, Roze Rose Hollis, Maree Ann Howe, John Patrick Jayasena, Premachandra Hemapala Asoka Nalini Sandawathie Krane, Harry Herman McKenzie, Phillip Arthur McLennan, James Peter Muralidhar, Srinivasiah Rodan, Paul Kenneth Snyder, Hana Ariela Sullivan, Peter Arnold Sutrisno, Leo Wilkinson, Ian Richard Zammit, Susan August Zoani, Ammon Joseph Raphael

### Master of Education

Anker, Robyn Lilian

Casinader, Niranjan Robert Fleiszig, Janina Harris, Ian Raymond Heffernan-Colman, Colleen Joan Hill, Norrene Joyce Jones, Mary Gwendoline Paduano, Rose Marie Prentice, Ernest Ronald

### Master of Educational Policy and Administration

Xia Guangzhi

Addison, Peter

Aitchison, Elizabeth Anne Aspinall, Malcolm Ross

Bennett, Terrance George

Bennett, Patrick James

#### Master of Educational Studies

Biro, Judith Maria Blackwell, Stephen James Blethyn, Helen Winifred Brett, Brenda June Brewin, Michael Stephenson Browne, Leonie Maria Buchhorn, Anna Zofia Bullock, David Frederick Byrne, Carmel Mary Byrne, Maritza Ivonne Cabaniuk, Irene Dianne Chan Bing Sing Cheung, Christina Oi Ying Cheung, Jenny Yee-Kwan Clark, Janet Louise Collins, Lillith Isabelle Corrigan, Deborah Joy Crockford, Paul Jeffrey Dajkovich, Cynthia Karen Dharmarak, Pratin Douglas, Frances E Downie, Mary Rosanna Foster, Susan Kitty Gardner, Glenn Elizabeth Gindidis, Maria Green, Judith Sima Grimmett, Donald James Gu, Bingyan Gunter, Susan Maria Hancock, Kerrin Henry He, An-E Hensler, Enid Gillian Ho, Thomas Hoi-Cheong Hodgman, Michael John Ives, Glenice Fave Jinnette, Donald Leonard Jones, Brian Arthur Kanitsaki, Olga Kaplan, Susan June Kavadias, Leah Knight, Susan Jean Limongiello, John Paul Liu Ai Yun Liu Yan Loader, Robert Vernon Macdonald, Ian David Harry Matters, Pamela Norma McCredden, Lorna Valerie McDonald Glenda Margaret Melican, Jennifer Mary Mercer, Carol Metcalfe, Maree Margaret Millikan, Janice Maree Mills, Brian David Monaghan, Jennifer Anne Moshakis, Jack Muralidhar, Sundari Olive, Gillian Mary Parle, Peter Joseph Payne, Lynette Margaret Payne, Sue Ann Penfold, Ross William Pinczewski, Bella Ping, Huang Li Piterman, Leon Plail, Elizabeth

Port, Nola Rae Power, Shane David Rawat, Brenda Rea, Sandra Julie Rose'Meyer, Peter Eric Russell, Glen Peter Ryan, Colleen Mary Salih, Lemi Schmiedeknecht, Denise Yvonne Shepherd, Fiona Jane Short, Elizabeth Anne Simmonds, Victoria Elizabeth Smith, Gary James Stanley, David Ronald Suryana, Didikh Symmonds, Helen Cattanach Tait, Susan Jane Tan, Margaret Mary Targett, Brenda Dawn Thomas-McLean, Sybil May Ustick, Barbara Anne Wai Kim Tse, Anastasia Warner, Judith Margaret Wheat, Kenneth Neil Wills, Ivan Raymond Yang, Renming

#### **Bachelor of Education**

Morgan, Gail Osborne

#### **Bachelor of Educational Studies**

Adem, Foster Festim Aly, Susan Elizabeth Bartlett, Barry James Barwood, Christine Helen Batchelor, Peter Neville Beilby, Dianne Maree Blanshard, Kenneth Norman Bourbon, Elwyn Boyd, Andrew D Campitelli, Rosalinde Christine Casey, Kevin Francis Chalmers, Noleen Mary Coleman, Julien Margaret Crosling, Diann Juliet Culton, Wilma Veronica Daly, John Damen, Anthony John Davis, Robert Alan de Bruyne, Anne-Maree Dempsey, Michael Joseph Duell, Virginia Louise Feeney, Vincent John Fenning, Mary Alana Fernandez, Celene Frazer, Neil Robert Fuller, Susan Emily Garby, Marianne Goh Siok-Kiang Goldstein, Deidre Devorah Grant, Genevieve Henderson, Robert William Hughes, Barbara Ann Keane, Sian Belinda Kennedy, Jennifer Anne Kennedy, John Gordon Lucas, Andrea Jane Mahar, Rhonda Marjorie Mahony, Gabrielle Marie Markwick, Hugh Edward Nash, Stephen James Noonan, Denis Edward O'Mahony, Brenda Joy Parr, Robyn Gaye Paterson, Jillian Margretta Anne Patterson, Judith Leslie Penduck, Patricia Dorothy Phillips, David Pooley, Stephen John Pullen, Judy Lorraine Richardson, Evelyn Janet Rooke, Miranda Schultz, Anne Elizabeth Seymour, John Charles Singer, Renata

Stein, Francoise Brigitte Symeonides, Paula Vogel, Carol Evelyn Waters, Clive John White, Susan Joyce Wittenberg, Andrea Joy Wright, Carol Ann Yates, Shirley Patricia

## **Bachelor of Special Education**

Barrett, Francesca Li-Leen Bennett, Valma Louisa Brice, Rosemary J Bull, Ianice Ann Buso, Joyce Irene Claudia Campbell, Ellinor Mary Clarke, Dell Rose Critchley, Monika Maria Fennell, Marguerite Royden Fisher, Christine Anne Haberfield, Debra Anne Hamilton, Jennifer Ann Hawkes, Elaine Marion Hawkins, Christine Anne Neal, Ronald James Noyes, Philip Stephen Proudley, Jan Cheryl Reed, Cheryl Eleanor Taylor, Terrill Isabel Thomson, Carolann Tinetti, Carmel Joan Webster, Alistair Tom Wee, Julie Dawn

# Doctor of Philosophy (Engineering)

Alexander, Brian Frederick

Atapattu, Don Dudley Burgin, John Leonard Cheang Hong Ning, Philip Chen Keng Cheong, Bernard Cheung Chi Chong Chun Hoong Koh, Stephen Chynoweth, Kevin Richard Fok Sai Cheong Foo Soon Kwee Giam Siew Kin Hart, Peter Michael Jenkins, Graham Andrew Kafui, David Kwesi Kodikara, Jayantha Kumarasiri Kwok Kian Hoong Ling Jui-Hsien Mills, Russell Craig Nan Li Ng Kok Kuang Sau-Wing Lam, Stephen Sheridan, John Ting Yen-Peng Welti, Neal Arthur

# Master of Engineering Science

Arslan, Sinasi Aumann, Gregory Noel Barr, Graeme John Ch'ng Yoon Seng Chen Bei De Chin Vun Fong Chiong Siew Chuong Cleeland, John Edward Delany, Walter Alexander Fairlie, Russell Brian Ginger, John David Gu, Qiulin Haydon, Shane Robert Horan, Edmund James Kelly, David Leigh Koay, Raymond Ah Fatt Kowalczyk, Ewa Anna Lian Kee Siong Merlo, William Gilbert Mottram, Clive Kenneth

Ong Chong Yuen
Peterson, Robert Charles
Phung, Nyoke Ching, Geraldine
Poon Sai Leong
Rhodes, Bruce Graham
Samuel, Scott Monteith
Thompson, John Christopher
Wassenaar, Patricia
Wong Sook Fun
Yee Yew Weng

Aguilar, Luis Alberto

Armstrong, Andrew Ian

# Bachelor of Engineering with Honours

Autar, Rajendra Kumar Balatsas, John Benham, Daryl John Bennetts, Donna Christine Berberich, Carsten Bertolini, Adrian Francis Bertoncello, Mark Andrew Biggs, Phillip Keith Blair, Mark Andrew Boey Chern Yue Brosi, Andre Paul Brown, Andrew Harris Brown, Brendan Thomas Brown, John Andrew Bruehwiler, Dominic Robert Cameron, Nicholas Donald Cavallaro, Andrea Luciano Chang Fatt Wee Chang Yi Lee, Ignatius Chiam Tow Fie Chieng Lee Hong Chin Young Pong Chiu Chiaw Chien Chong Hock Choong Chung Chang, Gary Clivas, Glenn William Clothier, Noel Christopher Cockshott, Antony John Covelli, Tullio De Sousa, Lyle Orville De Wit, Mark Gregory Dellar, Cameron John Dickson, Adam Matthew Dioguardi, Leslie Joseph Duncan, James Hamilton Farrugia-Roberts, Jason John Fong Choong Ewe Foong Hock Wai, Edwin Glenk, Andrew Roger Goh Tok Kwong Green, Richard Ronald Greenwood-Smith, Andrew Robin Growse, Anthony Richard Handreck, Carl Robert Handreck, Karen Jane Harbutt, Philip Lloyd Hawkins, Wendy Jo Hellier, Kevin Phillip Henson, Scott Andrew Hetherington, Andrew Edward Hodge, Robert Mark Hondrakis, Billy Hong, Myle Melissa Huang Wen Yiaw Jennings, Warren John Kantzos, Peter Keng Teng Tan Kershaw, David John Kheng Heng Mok Khoo Winn Khean, Kenneth Kirton, Paul Lai Heng Mun Lamson, Dean Ronald Langer, Robert Charles Langthaler, David Latsis, Theodore Lau Dee Dee Law, Herman Victor Lee Beng Hooi Lee Leow, Jean Lewis, David Elwyn Liew Huey Cherng

Lim Chee lin Liu, Darren Stephen Liu, Polian Lok, Bing Fai Sylva Loke Chooi Choo Lonsdale, John Campbell Love, Anthony George Lutton, Peter John McOmish, Richard Donald Melbourne, Angus John Meydan, Miron Montenegro, Daniel Julio Morton, Adam John Murdica, Vince Murphy, Michael Brian Neiger, David Samuel Ng See Liong Ng Weng Seng, Richard O'Malley, Bernard James Ooi Yong Wee Palmer, Thomas Ronald Pane, Luigi Panfalone, Joe Petschack, Stephen Vincent Phoon Wai Leong Phuong, Le Nha Randle, Grant Marcus Read, Samantha May Rinderer, Marc Andrew Samuel, Wayne David Schmidt, Oliver Shaw, Michael Shaw, William Andrew Shmerling, Jonathan Henry Stevic, Darinka Sticca, Rosa Story, Scott Robert Tan Kwan Quay, Michael Shaun Tan Thiow Keng Tang Kim Yee Tang, Eric Tay Hoe Chin To, Albert Mo Ching Watson, Simon John Weston, John Francis Whitebrook, Richard Bruce Willis, Spencer Robert Wong Kim Fei Wong, John Kok Hee Wright, Stephen James Yap Mow-Ying, Phillip

## Bachelor of Engineering

America, Paul Anglin, Darron John Archer, Patrick John Begic, David Bellamy, Sarah Margaret Binh Van Bui Block, Simon Alexander Bloomfield, Stuart Hilton Chan Hon Yu Chong Mun Fai Dinh Ngoc Cuong Fraanje, Arthur James Giannone, Antonio Etalo He Lip Bu Healy, Peter Charles Jurgensen, Dietmar Carl Just, Stephen Andrew King, Paul Barry Kiss, Laszlo Konstantinou, Serafim Krzywniak, Richard Anthony Kueh Boon Heng, Vincent Lai Tung Kong, Terence Lappas, Petros Lau Hui Ling, Nancy Lau Mei-Lun, Michelle Law Hui Gin, Joan Lee Cheen Hoong Lee, Philip Hooi Leap Little, Graeme Richard Malios, Matthew George Man Hon Ki Mansell, Troy Robert Marinelli, Dominic Orlando

Matthews, Catherine Louise McDonald, Darren John McKenzie, Murray Scott Mitchell, James Christian Mulholland, Karen Leanne Ng, Colette Maria Nguyen, Vanbich Northey, Paul Gerard Oh Teik Siang Ohlson, Trevor Jon Ooi Son Hock Othman, Khairudin Pesimena, Piero Phan, Hung Quoc Proh. Daniel loseph Rosa. Steven John Rowland, Matthew David Campbell Rowlands, Trevor John Saliba, Joseph George Salt, Nicholas Mark Schnerring, Dirk William Sim Siong Hee Soon Aik Yong Tan Hock Yee Tse Bo Yue Van Beurden, Marc Alois Charles Rene

#### Doctor of Laws

Fox, Richard George

## Doctor of Philosophy (Law)

Hughes, Gordon Langford McCormack, Timothy Lloyd Hearnden

#### Master of Laws

Armstrong, Kevin Thomas Davison, Mark James Gomez, Mario Angelo Kennedy, Maree Evelyn McDonagh, Maeve Brid McGowan, Glenn Charles Power, Edward John Rose, Gregory Lawrence Shapiee, Rohimi Bin Simpson, Brian Hendry Smith, Bernard Damien Wang Yuankuo

#### Bachelor of Jurisprudence

Ali, Onur
Barratt, Lynnette Anne
Brand, Anthony John Solomon
Hennessy, Anne Mary Veronica
Kline-Marantelli, Leonie Irene
McMillan, Linda May
Musumeci, Catherine Josephine
Parker, Stephen Avison
Raghunath, Giyarpuram Nadathur
Sharkey, Michael Andrew
Sonnett, Brett Lynton

#### Bachelor of Laws with Honours

Bassat, Andrew Reuven
Biondo, Santo
Clough, Jonathan Allan
Cooper, James MacGregor
Douglas, Jennifer Anne
Fraser, Mitzi Lisa
Freeland, Christopher John
Gershov, David
Orlowski, Stefan
Palmer, Andrew James
Sonnet, Brett Lynton
Stone, Jacqueline Jane
Tiller, Chrisopher Linley
Walsh-Buckley, Warwick James
Weller, Torsten Alf

#### Bachelor of Laws

Adam, Susan Amidzic, Vesna Anagnostou, Chryssa Arellano, Rodrigo Alejandro Arvanitis, Katerina Barker, John Edward Henry Barnett, Shaynee Leah Barratt, Lynnette Anne Baxter, Darren Jay Bayliss, Caroline Isobel Begg, Alison Margaret Beharis, Emmanouel Noel Blair, Kellie Anne Block, Peter Robert Bloom, Kathryn Anne Bortoluzzi, Dominic Robert Boymal, Nicholas Paul Brand, Anthony John Solomon Brand, Wendy Brasier, Leonie Ruth Broadbent, Jeremy Scott Brown, Dale Patrick Brown, Peter Anthony Brown, Philip Hayes Brunlow, Dianne Elizabeth Brygel, Ashley Bunyan, Elisabeth Joy Burke, Ben David Francis Burke, James Michael Cabaniuk, Patricia Pauline Cadogan, Anne Marie Cain, Patrick Brendan Carroll, Shane Patrick Casamento, Rosalinda Casey, Martin John Chan, David Joseph Chang, Jason Chien Min Charak, Pearl Hanna Charman, Gregory Bruce Chazan, Richard David Cheah Chui Mei, Valerie Chen Siew Foon Choo, Steven Cook, Dominic Joseph Counsell, Debra Joy Crowe, Elizabeth Maria Dahlsen, Geoffrey Christian Daquino, Gaetano Carmelo Davies, Marianne Elizabeth Day, Richard William De Cicco, Dunia Mary Denholm, Andrea Joy Dessiniotis, Chris Di Camillo, Nunziatina Katherine Douglas, Heather Anne Douglass, Kim Jane Dowling, Craig William Drummond, Bronwyn Lisa Duke, Adam Gordon Edelstein, Jonathan Samuel Emery, Michael Fahey, Lauren Samantha Farrelly, Mark Joseph Finch, Ian Gregory Fink, Naomi Finn, Jenny Fischbacher, Herbert Roger Fotheringham, Helen Annette Gandur, Judy Gault, Samantha Gelbert, Lorna Grace George, Cameron McDonald Germov, Rosaline Maria Giacco, Charles Giannopoulos, Tina Giatrakos, Maria Gillard, David William Gillis, Julian Frank Gladwell, Terri Suzanne Goh Siew Kin Grant, Andrew James Grewal, Yasmin Kaur Grice, Allison Doreen Griffiths, Debra Lee Grimberg, Claudia Groppi, Cameron John Grotjan, Peter Alexander

Gulbin, James Christian Haas, Sabine Harvey, Cameron Roy Hastings, Ian Charles Hastings, Josephine Mary Hatch, Mary Louise Hayes, Fiona Anne Haysey, Susanne Elisabeth Henry, Rebecca Anne Hepburn, Samantha Jane Hii Kwong Kiing Hill, Adrian Seamus Ho Sook Yee Horan, Jacqueline Mary Howe, John Bellett Interligi, Elisa Anne Isolani, Gregory Aurellio James, Robert Keith Jones, Alison Angela Karalis, George Karliner, Doron Michael Katsieris, Antonia Kelliher, Daniel Peter Khoo, Phaik Lynn Kirsner, Jane Louise Kline-Marantelli, Leonie Irene Knights, Kim Joy Kontaxopoulos, Konstantine Krakauer, Paul Lagos, Eudokia Effy Lau May Ling Lay, Dominic Peter Lee De Beng Lee Eng Chew, Edward Lee Kok Wah Leech, Margaret Mary Legro, Hayden Phillip Leibler, Gary Zev Leong, Primrose Tsui Yin Lester, Eleanor Kay Letcher, Sarah lane Lewin-Poole, Sonia Mavis Lianos, Toula Liefman, Peter John Lionakis, Nick Lor, Caroline Mei-Lin Lucas, Nicholas John Lusby, Maria Louise Lyons, Nicholas John Macindoe, Sally Granfield Madder, Emily Bessie Malone, Sarah Katherine Manly, Declan Patrick Manly, Declan Patrick Maramis, Sevasti Mason, Robert McEwen McBurnie, Denise Lorraine McCann, Stephen Barry McCarthy, Paul Daniel McConville, Ian Michael McGowan, Miriam Christine McKenzie, Bruce Robert McKeown, Gerard Conleith Patrick Menon, Mini Mentiplay, Paul Raymond Mercuri, Patrizia Middleton, John Gregory Minisini, Enio Michael Moss, James Anthony Murphy, Paula Majella Muscat, Josephine Mary Muschialli, Ronald Anthony Nagarajah, Santhosh Nettelbeck, Jennifer Maria Newcombe, Lisa Maree Ng, Craig Eesyn Niall, Richard Michael Normand, Andrew Jeffrey Northam, Charles Thomas Olney, Darren Stuart Ong Gaik Lan, Lily Oxley, Cameron John Papanicolaou, Sophia Pascoe, Ian David Plotkin, Belinda Poole, Trevor Ian Poopalasingam, Clarence Kulasingam Porter, Felicity Ann Prappas, Bill

Priddle, David Neill Rabinowicz, Solly Charles Radich, Mary Genevieve Raghunath, Giyarpuram Nadathur Reale, Mariolina Biagia Reid, Scott Anthony Rekas, Dina Roberts, Amanda Lucy Robertson, Neil Bruce Rooke, Paul Norman Roseman, David Gregory Rubinstein, Peter Irwin Salamon, Steven Salce, Antionio Sandrasegaram, Kulaselvi Savoca, Leondina Saw Hoay Hoon Schultz, Jennifer Ann Searby, Patrick Richard Henry Seymour, Mark Clement Sgourakis, Chris Shanahan, Elizabeth Anne Sharkey, Michael Andrew Siaw Yean-Hwa, Timothy Siew Chun Tut Sinnetamby, Revantha Sojka, Steven Richard Stracke, Marjanne Wilhelmina Sudholz, Andrew John Sumner, Catherine Sien Sweeney, Matthew Dominic Talbot, Stephen MacKenzie Taylor, David Homan Tee Han Cheong Themistocleous, Maria Thong Lee Peng Tkalec, Damian Trevisiol, Mirella Tweddle, Richard Cameron Unreich, Rachelle Simonne Van Ballekom, Mary-Ann Verkade, Jacquelyn Hope Diane Wang Yan Li Waters, Mark Wearne, Bernice Mary Weeramantry, Joseph Romesh Gregory Weiss, Suzanne Lara Wong Cheah Haw, Eric Wong Yue Cheong, Francis Wui Wui Vivee Low Yeo Chua Poh, Lawrence Yeoh Mooi Sean, Angeline Young, James Peter Yu Pui Man

#### Doctor of Medicine

McNeur, John Clarke Rowe, Ian Leonard Salzberg, Michael Raphael Xiao-Zhong Chen

## Doctor of Philosophy (Medicine)

Andrianakis, Peter Bashiruddin, John Bijoy Bertolini, John Brotchie, Peter Rodney Canny, Benedict James Chin Pui Fong Clements, Judith Ann Davies, Sean Paul Fry, Richard Charles Godfrey, Dale Ian Gurusinghe, Asitha Dushanth Hodder, Anthony Neil Hodgson, Wayne Clarence Ioannides-Demos, Lisa Lee Izon, David John Jansakul, Chaweewan Iost, Barbara Helen Kerr, Peter Gerard Kerry, Julie Ann Law Hong Ping Lim Chen Fee Low, Amy Mariann Munro, Judith Margaret

Newnham, Harvey Harrison Payne, Michael John Rose'Meyer, Roselyn Barbara Rundle, Susan Elizabeth Sudhir, Krishnankutty Wilson, Trevor John

## Master of Biotechnology

Blane, Annette Elizabeth Eng Kok Ong Khosa, Ester Kumar, Raja Kumar Woods, William John

#### Master of Psychological Medicine

Alcorn, Ronald James Kemp, Melinda

#### Master of Public Health

Morley, Peter Kingsley

# Bachelor of Medical Science with Honours

Baker, Timothy Rex Bertolucci, Michelle Marie Louise Hawkins, Nigel John Maguire, Graeme Paul McCarthy, Elizabeth Anne Stephens, Katrina Jane Swee-Mei Kok, Joyce Tomlinson, James William

### Bachelor of Medicine and Bachelor of Surgery with Honours

Ajani, Andrew Edward Allan, Carolyn Anne Bell, Andrew John Blackman, Paul Graham Bonollo, Marco Braham, Simon Anthony Richard Butler, Samantha Ann Canaider, Kirsty Anne Cassano, Anne-Marie Terese Chin Suliong Clark, David John Clifford, Celia Anne Lorinda Cooke, Jennifer Catherine deSouza, Michael William Dillon, Louise Claire Ebrahim, Ashraf Ishak Ellis, Samantha Jane Ewart, Fiona Jane Fowler, Susan Hilary Gee, Walter Wah Yiu Hanegbi, Uri Benjamin Hargreaves, Samantha Kate Hawkins, Nigel John Healy, John Patrick Hesse, Michelle Therese Jenkin, Grant Adam Jones, Catherine Mary Leder, Karin Sharona Leivenzon, Leonie Leong, Samuel Wen-Fei Lindholm, David Earl Linton, Karen Simone Maguire, Graeme Paul Mansour, Hala Markou, Petros McCarthy, Elizabeth Anne McDonald, Anthony Hugh Neil McKelvie, Malcolm James McMahon, John Henry Addison O'Connor, Rona Opdam, Helen Ingrid Papadopoulos, Maria

Patten, Karen Elizabeth Paull, Amalie Elizabeth Payne, Janine Melanie Pellegrino, Vincent Alfred Perlin, Nadine Elise Rasaratnam, Brindhesha Raymond, Frank George Peter Seevanayagam, Sivendran Sim Kui-Hian Smith, Craig Robert Smith, Thomas Edward Steele, Andrew Kenneth Stephens, Katrina Jane To, Elean Trivett, Adrian Justin Uhlenbruch, Barbara Elisabeth Wagstaff, Sherryl Ann Welsh, Belinda Maymie White, Michelle Ann Wilcox, Gisela Wise, Bernadette Therese Wood, Robert John Wunderlich, Adrian Roger Zwar, Richard Bernard

# Bachelor of Medicine and Bachelor of Surgery

Ambrose, Mary Anne Devere Bottcher, Clare Isabel Chan, Andrew Yan-Tak Croatto, John Baptist Csongvay, Istvan Dalgliesh, Joanne Mary Donato, Rosario Roberto Dynes, Kathleen Margaret Farmer, David John Ferfolja, Silvia Galanopoulos, Panagiota Geluk, Michael John Guthridge, Jacinta Mariette Harrison, Carolyn Michelle Hawkins, Lucy Caroline Elizabeth Hayes, Kim Alana Hayman, Brendan Hemmings, Charry Ann Luce Hien Huynh Hyland, Brendan John Irons, David Jeffrey lane, Alice Jansen, Kvm Johns, Louise Ann Judkins, Simon Antony Kar-Yun Lee, Peter Katsenos, Spiridoula Kiley, Michael Anthony Knieriemen, Anton Egon Lackner, Peter Johann Lazaridis, Alexandra Lim Joon, Michael Thomas Lim, Peter Loke, Kit Peng Long, David Andrew Maccora, David Michael McIntyre, Tiffane Jane Mirakian, Alex Sarmen Mooney, William Wall Warner Nisbet, Deborah Louise Phiri, Wilson Mangaliso Pryor, Jill Mary Rajapaksa, Anjali Reimers, Tessa Samers, Josephine Maria Schachna, Lionel Scopel, John Troupakis, Panagiota Tsigaras, Harry Veary, Karen Rose Vu Kien Fong, Charles Sebastian Wheeler, Gregory Charles Yaman, Hakan Yean Mean Haw Zayontz, Shay Joshua Zyn, Yvonne Marlen

## Master of Librarianship

Komariah, Neneng

## Doctor of Philosophy (Science)

Becker, Anne Blanchonette, Ian Chang Yun-Feng Chong Woan Chin, Jenny Clout, John Michael Frederick Cuno, Andrew Davis, Christopher Wakelin Day, Joanna Jill Evans, Jenni-Louise Feng Yi Ferreira, Jose Manuel Salgveiro Gomes Forsyth, Maria Handreck, Gregory Paul King, David George Korolik, Victoria Lim Soon Chuan Loh Sue Mei Martin, Vance Lindsay Mason, Jennifer Ruth Clemenger McEwan Matthews, Barry Ross Mitchell, Peter John Nassios, George Ney Siew Cheng Padmadisastra, Septiadi Pownceby, Mark Ian Quilligan, John Damian Robinson, Peter Douglas Rose, Mark Lionel Sajeev, Abdulkadir Sayed Muhammed Singleton, David Barry Skene, Colin Edward Smallridge, Andrew John St Clair, Rosalind Mary Strom, Alan David Greve Sukhyar, Radan Thomson, Scott Valenta, Richard Karel Vukadinovic, Danilo

### Master of Science

Burke, Sandra Lynette Cathro, Edward David D'Costa, Donna Marie Gude, Neil Murray Gutsa, Ernest Hatibatyi Heintze, Nevin Charles Kepert, Jeffrey David Lahy, Neil Kevin Marinopoulos, Nick Ridley, Roger Nicholas Roberts, Bryan Evan Xiao Yin Liang Young, William

# Bachelor of Science with Honours

Adams, Glen Darren Ahmar, Wally Armellin, Lara Bastounas, Sam Bateson, Katherine Elizabeth Bauer, Uta Pamela Baxter, Rohan Allan Beardsmore, Graeme Ross Bednjacic, Alen Belli, Sabina Ilaria Bennett, Linda Ellen Beovich, Elizabeth Kathleen Blick, Tony James Blundell, Craig Anthony Brandt, Evelyn Rosemary Brennan, Sue Ellen Brown, Katherine Jane Brumley, Carolyn Marie Burman, Catherine Elizabeth Buskes, Theodorus Johannes Cannon, Frances Irene

Carmody, Gerard John Casey, Philip Stephen Castle, Linda Jane Cervini, Raoul Chan Sung Tong, John Chang, May Yin Chua Soke Wan Clayton, Helen Elizabeth Cohen, Jennifer Anne Collins, Julian Peter Cowling, Jane Lisette Csar, Xavier Francis Cunningham, Saul Alan Cupic, Ivan Degoldi, Brett Raymond Delaney, Peter Maxwell Dennis, Clare Jennifer Derlet, Peter Michael Dietze, Paul Mark Dimitriadis, Maria Dimopoulos, Angela Dinatale, Angela Maria Diong Lang Shi Dionyssopoulos, Timothy Djajamihardja, Taufik Hidayat Ducatel, Melvena Sylvia Duncan, Andrew Robert Edmondson, Julie-Jane Edwards, Paul Dominic Ellis, Meredith Jane Evans, Susan Gaye Fairlie, Walter Douglas Fam, Marie-Anne May Ferdinands, Keith Brian Fraser, Fiona Jayne Fulton, Angela Elizabeth Gardiner, Elizabeth Ellen Garzarella, Elisa Anne Georghiou, Stella Gourlay, Belinda Jane Graf, Belinda Helena Graf, Paul Johannes Grant, Andrew James Green, Brian Timothy Griffiths, Morwenna Hancy, Susan Maree Harker, Stephen John Hart, Adam Howie Hatherley, Lynette Denise Heazle, Kerryn Denise Herbert, Andrew John Hey, Jeffrey Michael Hill, Michelle Arlene Ho King Ngan, Anita Hogeboom, Karen Howell, Rosemary Anne Humble, Robin John Hutton, David James Jarvis, Helen Maree Jarvis, Michael Brendon Jensen, Wayne Anthony Johnston, Michael Brian Josefsson, Torgny Wilhelm Emanuel Joshua, Fiona Elizabeth Kannar, David Karopoulos, Christopher Kaulenas, Andrius Kebede, Mekonnen Keddie, Gayle Margaret Kenyon, Christine Edith Khong Tee Fern Khor Keat San Kingham, Stuart David Kiriazis, Helen Koay, Anne-Marie Koh Vui Kheong, Richard Thomas Kueh Lip Hang Lacey, Kirsten Jennifer Lee De Beng Lee Siak Yuen Lellyett, Stephen Charles Leung Pak Kin, Allen Lewis, Andrew McDonald Lightwood, Liron Lim, Noel Lin Yueh Nuo Lipton, Alan Joseph Lipton, Mark Ian

Losinno, Carmela Maria

Ma Kinh Quang Mammen, Anna George Mansfield, Danielle Clare Martinelli, Teresa Marion Mathiopoulos, Diana McAteer, Deborah McCarthy, Thomas David McCaughey, Stephen Neil McDonald, Debra Lynne McDonald, Margaret Lucy McInerney, Jacqueline Judith McLachlan, Grant Andrew Meyer, Tamara Freda Michell, Belinda Joyce Mitchell, Craig Anthony Mitchell, Paula Jane Moffat, Mark Raymund Momcilovic, Vera Morando, Steven Morison, Russel Peter Morley, Grant Peter Munro, David Dean Murray, James Rhys Neale, Suzanne Louise Newstead, Stuart Vaughan Newton, Antony Alan Noviello, Suzanne Olsson, Christina Lee Ong, Rae Mun Paidoussis, Katina Panaya, Peter Papakonstantinou, Theodoros Parker, Glendon John Parker, Julia Paulsen, Ian Thomas Peake, Anthony James Peters, Caroline Luci Pham, Thanh Hung Pierce, Tracie Lorraine Pittock, James Pollock, David Charles Potiris, Vivian Vicki Powell, Maree Sharne Rayner, Gerard Michael Reid, Michael Alister Reilly, Ann Theresa Reynoldson, Nicola Anne Riffkin, Michael Charles Roper, Elise Janine Ross, Grant Stuart Rowland, Brendon John Rudd, Carl Damon Samah, Sharil Abu Schembri, Mark Andrew Semertjis, Assimina Seng-Siong Teo, Michael Shadforth, Lisa Michelle Shaw, Hugh lan Shen, Belinda Anastasia Sherrard, Bridget Ann Short, Michael Franklyn Skordilis, Constantinos Slattery, David Wesley Soh, Kam Hung Stone, Michael Colin Tang Siong Tiing Tassios, Zoe Teasdale, Rohan David Thomas, Ross Stuart Toh. Eric Truman, Dirk Anthony Tutton, Carmel Therese Underdown, Kathleen Ruth Vassiliou, Peter Vo, Thanh Liem Volpe, Carlo Watson, Michael John Williams, Naomi Samantha Wilson, Michael John Wong Miu Kuen, Clara Wong, Geoff Peter Woo, Sophia Yen, Janet Louise

### Bachelor of Science

Abramoff, Alexander Adeney, Jacqueline Yvonne

Alexander, Justin Marc Alper, Sarah Jane Anderson, Brendon John Andrianopoulos, Helen Andrinopoulos, Steve Angliss, Peter David Antonakis, George Argyriou, Stella Arms, Tam Alexander Asmanis, Steve Atkinson, Tracey Ann Bacon, Daniel Sinclair Bader, Ivan Bagaric, Drago Baltutis, Linus Paul Bamford, Simon Gregory Barassi, Nancy Joan Barnardo, Domenico Angelo Barnes, Stephen Keith Bartholomeusz, Stephen Arjuna Batistatos, Odisea Bauer, Christina Maria Baulch, Elizabeth Lucy Bawden, Amanda Bayeh, Lolita Catherine Beachcroft, Jason Andrew Bearman, Margaret Lynn Beavis, Michelle Jane Beh Paik Swan Birchall, Sharon Ruth Blackmore, Paul Stephen Bleeser, Maria Monique Bonwick, Jamie Phillip Boodoo, Alain Pierre Jacques Bostock, James Stuart Boulton, Alan Michael Brennan, Joseph Samuel Breuer, Kate Brewster, Stuart Ashley Brownbill, Robert Julian Browne, Kylie Ann Buchan, Melanie lane Buckland, Andrew John Bumpstead, Geoffrey Robert Burazin, Tanya Cameron, Melissa Jane Campbell, Jonathan Andrew Carroll, Jennene Maria Carson, Thomas Anthony Carter, Andrew Maxwell Caruana, Anthony Robert Cavolo, Eddie Ceniza, Josephine Theresa Chan En-Lai Chard, Jamie Douglas Chatfield, Catherine Anne Cheong, Kevin Steven Cheung Ching Han Chiam Soon Beng Chien, Swena Sze Wai Chiu Chui Chu, Anna Chrimes, Nicholas Charles Ciric, Loretta Clark, Ron Drennan Close, Dorothy Frances Coates, Justin MacDonald Cole, Christopher Robert Constantinou, Dora Coronado, Edgardo Cox, Kerry-Ann Crotty, Gregory Charles Currie, Kathleen Joy D'Rozario, Desiree Anne Danos, Maria Davis, Katherine Amanda De Santis, Catherine Joan Deligiaouris, Petros deSouza, Kevin Peter Devereux, Ross William Dexter, Ian Dikkenberg, Anita Christine Diong Tak Chong Doak, Simon Anthony Dolecki, Joanna Lidia Donovan, Edward Arthur Dorward, Fiona Mary Clyne Dowie, Paul Vincent Downes, Samantha Jennifer Drago, Fabio

Dunhill, Andrew York Duong, Kieu Cong Van Earl, Gillian Elizabeth Erdstein, Davis Asher Evans, Jonathan Keith Evans, Marcus Farmakioti, Lyn Farrell, Geraldine Therese Faul, David John Feldman, Nathan Jacob Ferguson, Joanne Margaret Ficinus, Anthony James Firminger, Lorien Elizabeth Fowler, Deborah Lynette Frank, Adrian Hans Frankland, Kimberley Danielle Fullwood, Tiffany Emma Gannon, Peter Frederick Garwood, Anne-Marie Gent, Carey William Georgakopoulos, Peter Giannakopoulos, Demetra Glover, Rodney David Goodwin, Fraser John Gora, John Gordon, Mary-Ann Lynne Gouw, Tji Jung Gowty, Christopher George Greentree, Sean Joseph Greenwood, Deborah Joy Grice, Donna Jo Grosman, Cornelia Michael Grundy, Joseph Guinness, Jonathan Edward Gustini, Marc Alfred Haddad, Dianne Hannan, Kathryn Frances Hannath, Brett Damon Harper, Bridget Mary Hatzilazaridis, Nikolaos Hawkey, Cathy Anne Hawkins, Kate Isabella Hay, Jacinta Marie Hayse, Nerida Kathleen Henderson, Ian Scott Hennessy, Jack Hepenstall, Wayne Seymour Heyes, Michael Tasman Hudson Hii King Hie Hinchey, Sara Louise Ho. Deborah Won-May Hoff, Per Arne Hogan, James Anthony Holdaway, Edward Byron Holliday, David John Holness, Sharyn Joyce Holt, Kenneth Paul Houston, James Cameron Howard, Peter Thomas Hoyle, Michael Liam Hronopoulos, Apostolos Paul Hulsbergen, Carolyn Joy James, Adrian Wesley James, Philip Anthony Janson, Adrian Antonnie Johnson, Inge Maria Gunawan Johnson, Meredith Johnston, Michael James Judd, Daniel Jeremy Julia, Saimun Kabo, Mimi Elizabeth Kalliontzis, Panagiota Betty Kalocai, Katarina Karatselios, Chris Kassim, Suraiani Katic, David Katsanis, Sia Katsikas, Aglaia Kavarnos, Gregory Kelley, Alan Trevor Kelly, Georgina Leanda Kelly, Maria Anthernett Kennedy, Shayne Michael Ketsakidis, Christopher Kew, Elizabeth Grace Khoury, Christine Kleinig, Andrew Koch, Jennifer Frances Koha, Livia Alvianti

Krepp, Anthony Neville Kruithof, Martin Hendrick Kuiper, Michael John Kuuse, Mark John Kyriakopoulos, Georgina Lai Yim Fun Lambros, Bill Land, Sarah Louise Lara, Alejandra Last, Karena Le Poidevin, Barbara Anne Le, Phu Dung Lee Ai Ling Lee Chung Fatt Lee Eng Haow Lee Eng Liew Lee, Nicholas John Lee, Terence Richard Lees, Glenn Andrew Leibler, Anthony Roman Leishman, Ross Quentin Letzing, Michelle Linda Liaw Yong Shyang Lien, Hoa Kim Liepa, Jeanette Tanya Liew, Nhi Manh Lightbody, Colin Alexander Lim Eng Leong, Richard Lim Oun Van Ling Juh Chin, Aini Liow Che Tek Livermore, Donna Maree Loh, Hwai-Hiang Loh, Roger Loh, Yin Yin Lolis, Tony Victor Long, Gregory William Loucas, Katherine Louzis, Maria Areti Lucas, Justin Brian Lukins, Karen Nicole Ma Hok Hon, Leonard Mach, Terry Mah Bean Yuen, Julia Malone, John Bryan Mankin, Helen Rita Margetts, Stephen Barrie Marshall, Glenn Stuart Marston, Kyla Elizabeth Martin, Emma Marie Martin, Michael Paul Masciarelli, Antonietta Matheson, Scott James Mathot, Barry William Matthews, Andrew Guy Matthews, David Robert May, Susan Letitia Mayboehm, Susan Maria McDonald, Andrew James McKenzie, Catherine Joy McLaren, Shelly Anne McLaughlin, Luke James McLetchie, Jane McNaughton, David Charles McTigue, William Richard Meier, Susanne Melder, Susanna Andrea Jacqueline Menon, Mini Metter, Igor Mezciems, Andrew Martin Micic, Anne Yelena Middleton, Tracey Vanessa Miller, Bernadette Mary Mills, Paul Brian Mills, Richard Howard Milvain, Danielle Jayne Mingo, Jose Manuel Mirams, Stephen James Moisidis, Effie Eytihia Mokos, Carolyn Gabrielle Morgan, Suzanne Marie Morley, Elizabeth Maree Mouhtouris, Effie Muir, Kane Adam Munro, Cameron Hugh Murray-Hennessy, Andrew Naidos, Thalia

Korakis, Terry

Kourambas, Irene

Nasralla, Mona Naylor, Jennifer Kay Neaves, Belinda Jane Nelson, Melissa Gai Ng Bee Kuan Ng Shao Lin Ng, Wah Kai Nguyen, Phuong Tuyet Nichols, James Andrew Nicholson, Joanna Justine Nickels, Tracey Doris Nolan, Christopher Michael Noyes-Brown, Lynette Gaye Nugara, Sharon Michelle O'Brien, Kerryn Louise O'Hara, Andrew John O'Neill, John Joseph Oh Beng Teong Ooi Guat Beng Orlando, Antonio Osianlis, Maria Owens, Philip Graeme Paine, Richard Franklyn Partleton, Vicki Lyn Pattas, Anastasios Panagiotis Patterson, Marita Therese Pearman, Andrea Irene Peh Poh-Oon Pellegrino, Anita Lucy Perera, Sharon Mary Pham, Hieu Pham, Son Phu Pham, Thanh Duc Pham, Thuong Quoc Phillips, Christine Ellen Polster, Marc Leopold Pontifex, Simon Charles Poole, Jacinta Maree Pope, Stuart Gordon Presneill, Gregory James Pullen, Kingsley Andrew Nevill Rahardja, Mardiana Ramantas, Dennis Rapoport, Yuri Raymond, Gregory Vincent Reichart, Tania Maria Richards, Linda Jane Richardson, Louise Margret Rigby, Jacqueline Teres Rodrigues, Pearl Judith Rooney, Sean Martin Rosamilia, Mariarosa Ross, Paula Kim Routley, Merrindal Lois Rubenstein, Paul Norman Rudd, Brett James Ruddick, Darren Charles Sagris, Paraskevi Sammut, Mark Anthony Sammut, Robert Louis Sanford, Craig Grant Sass, Jillian Kerrilee Scalzo, Marc Antony Scarlett, Alison Jane Schmidt, Mark Andrew Schwalb, Ehood Chaim Seaton, Barry Russell Seddon, Nicholas Richard Serpell, Andrea Kym Serraglio, Adrian Sezonov, Mark Shaw, Anthony William Shepherd, Stuart Andrew Skultety, Kathleen Monica Sleeman, Stuart Edward Slessar, Philip John Smirniotis, Theodore Spiliopoulos, Sam Stanojevic, Zvonko Starks, Philip Nicholas Starr, Gary Steer, Leesa Jane Stembergar, Liana Stewart, Fiona Elizabeth Stewart, Scott Ian Stinear, Timothy Paul Suen Kwok Yiu

Sullivan, Paul Damian

Taberner, Suzanne Elizabeth

Tang, Wai Yin Tangalakis, Constandinos Terry, Alister Durham Thai, Lang Tu Theobald, Gretta Marjorie Thian Sze How, Steven Thomas, Brian James Thomas, Marie Ellen Thompson, Geoffrey Stuart Thomson, Jennifer Sue Tickner, Ashley George Tierney, Claire Patricia Tkalcevic, Frank John Trembleau, Alain Paul Triantopoulos, Helen Tsitouridis, Ekaterina Tung, Shelley Turner, Gavan Robert Tyack, Scott Geoffrey Tymms, Andrew Michael Uppal, John Denis Ure, Fiona Gaye Valetic, Susan Van Buynder, Patricia Marie Van Raay, Nicole van der Schoot, Marcel Vale Vandenberg, Leon Chan Vanderlely, Roger Vayner, Galina Ventura, Margaret Vergakis, Peter Verkuylen, Amanda Joanne Vlachos, Jimmy Voudouris, Anna Margaret Waddle, Nicole Eileen Wain, Simon Brendan Waite, Erin Michele Wald, Ilana Josephine Walmsley, Caroline Jane Ward, Carolyn Maree Waring, Anthony Peter Weir, Megan Elizabeth Weller, Steven Gregory West, Julian Richard Wigley, James Lucas Wild, Steven Paul Williams, Corrie Elenor Williams, Linda Jane Williams, Peter Scott Wilson, Danielle Wilson, Sally Katrina Winstone, Linda Beverley Wolfe, Andrew Gregory Wong, Edmund Wong, Siew Ting Wong, Vera Wood, John Michael Woon Wee Young Wyper, Russell Broderick Yang, Hye Kyong Yann, Trevor Douglas Yap Che Wai Yeoh Yuat Tih, Ruth Yeung Chun Hung Yong Suk Kim Young, Julia Caitlin Zafirakis, Helen G Zegir, Roya Zergiotis, Sotiria Zervas, Tina Zgalin, Michelle Christa Zicopoulos, Victoria Zipper, Marcus Darren

## Diploma in Australian Tourism

Adams, Joanne Maree Aitkin, Julie Gai Barr, Penelope Catherine Borenstein, Sharon Douglas, Simone Marie Einsiedel, Sally Louise Enkelman, Diana Halina Hart, Sarah Kate Judd, Andrew Charles Kain, Denise Allison Meldrum, Maria Anne Moore, Philippa Jane Parker, Caroline Grace Roper, Lisa Alexandra Rose'Meyer, Kevin Rajan Joseph Sapir, Lisa Self, Alison Faith Smith, Paul Anthony Wylde, Loretta Maria

#### Diploma in Asian Studies

Dewey, Deborah June

# Diploma in Environmental Science

Berry, Christopher Godfrey Coulthard, Darryl Whitford deSilva, Tamara Imelda Mary Dickinson, Gary Thomas Latchford, Louise Jane Stevenson, Alan Charles

# Diploma in Applied Japanese Linguistics

Harada, Etsuko Jackson, Toshiko Muranaka, Hiromi Sato, Megumi

#### Diploma in Japanese Business Communication

Osborne, Adrienne Jan

#### Diploma in Japanese Studies

Shinbo, Kuninori Suzuki, Atsushi

#### Diploma in Librarianship

Mackey, Mary Cecilia Walzl, Justini

## Diploma in Business Systems

Chan, Norman
Chua Long Siew
Gan Soo Choon
Gutierrez, Jose Maximiliano
Hong Li Fang
Lee Seet Cheng
Lee Yick Fong
Long Sheng Hu
Maganty, Srinivas
McKewen, Lance David
Nath, Gupta Baikunth
Ong, Boon Teck
Qasim, Saleem
Srimokra, Suchart
Tan Goon Yean
Tirimanne, Anthony Mahendra

## Diploma in Education

Agelidis, Despina Andrew, Natasha Mai Arena, Angelina Athanasopoulos, Stavroula Athanassiou, Arthur Barrett, Rowena Joy Beadel, Dianne Patricia Beveridge, Jacquelene Ann Black, Andrew Stuart Blamey, Shona Jean Blight, Andrew Thomas Bradshaw, Maxine Metaxia

Brain, Tricia Irene Brasacchio, Maria Anne Bray, Hilary Bray, Robyn Ann Brew, Christine Robyn Burr, Brenda Rose Carter, Judith Anne Christie-Johnston, Dugald Alan Christopherson, Jane Chryssomalis, Anna Cooper, Anahita Cuddon, Katrina Shirley Dalwood, Christine Davis, Thi Gia Tram Day, Frank Thomas Deliouglanis, Georgina Demarteau, Heike Dowd, Loretta Catherine Evans, Charles Douglas Finch, Patricia Ann Fitzgerald, Anthony Michael Fuller, Elizabeth Gamble, Allan Edward Garrett, Amanda Joy Gere, Carol Suzanne Geritz, Ronald Perzees Gilbert, Jane-Maree Gilbert, Karen Anne Judette Gray, Louise Rebecca Haddon, Joanne Maree Harker, Michael William Hatfield, Christopher Leonard Haugstetter, Hilary Ann Hayward, Viki May Head, Simon Hoffman, Leanne Carol Hogetts, Robin Jennifer Hurley, Patricia Anne Ibrahim, Abdullahi Aden loannidis, Maria Jahnecke, Gerd Gunter Johnstone, Susan Winifred Jones, Michelle Louise Joyce, Hilary Katsas, Mary Keenan, David Phillip Kent, Helen Mary Koh, Evelyn Kollias, Kerry Joy Kontogiannis, Kathy Korfiatis, Nicholas Kouridakis, Poly Koutsogiannakis, Georgia Kurek, John Basil Kyriakouleas, Georgina Kyriazis, Crissa Laing, Irene Doris Lapsanas, Kathy Laskaridis, Louis Laskaris, Helen Lawrence, Lynne Jean Leach, Stephen Thomas Lee, Dale Elizabeth Leong, Fay Liddle, Cecilia Marie Linardakis, Angela Livingstone, Peter Cameron Lough, Warwick John Lowy, Mark Eric Lyras, Kalliope MacKinnon, Elizabeth Fairlie MacVean, Denise Lynne Mandall, Irene Mannion, Andrew William Marinis, Helen McIver, Kerryn Lee McKenna, Brendan Peter McMurray, Wayne Leslie Christopher Meltzer, Sybella Mikikits, Sharon Miodek, Susan Monseair, Robyne Moody, Stuart Craig Morgan, Peter Julian Moutsos, Kathy Murfet, Russell Craig Nainie, Joel Anthony

Nathan, Meena

Nemeth, Helga Anita

Noonan, Denis Edward Nyhuis, Robert John O'Callaghan, Christopher James O'Riordan, Helen O'Toole, Leah Eileen Panotopoulos, Vicky Akrivi Papakonstantinou, Aikaterini Patterson, Colin Peter Pavlidis, Eleni Perry, Lynette Kay Petrocco, Nadia Pico, Sandrine Marie-Josee Pirpiris, Frosso Pizzey, Sarah Louise Powell, Andrew Pratt, Carol Prosenak, Suzanne Kathryn Pulsford, Stephen Rafferty, Clare Elizabeth Randall, Marion Margaret Moir Rappoccio, Carlo Alberto Recupero, Antonella Reimers, Tanya Ridley, Valerie Karen Samuel, Michele Sanderson, Ian Kevin Santilli, Maria Anne Scheitler, Laurence Agnes Sekker, Anthony Sfindilis, Pili Smith, Jeffrey Ronald Smith, Kym Maree Smith, Wendy Jane Smithers, Jugana Snowball, Susan Carolyn Sourdis, Ilias Stirling, Anthony James Stranieri, Annalucia Domenica Sutherland, Ann-Elizabeth Caroline Taylor, Geoffrey Hampson Testa, Bruno Robert Thane, Bronwyn Eris Thane, Carolyn Louise Theobald, Maureen Anne Thomas, Susan Elizabeth Trudeau, Christine Jan Tsantilas, Kitsa Tzamouranis, Vivian Vakalis, Christine Valcanis, Angelique Vamvakas, Anastasia Van Der Wielen, Sylvia Elisabeth Varsamis, Maria Venizelos, Kaliroy Verhagen, Wendy Joy Wan Bing Yuen Wassermann, Arianne Webster, Kim Maree Westwood, Graham Bruce Wheeler-Cuffe, Dean Helsham White, Mark Peter Wilding, Jasley Anne Wilson, Shyamala Rajamany Wisse, Sharon Witt, Andrew John Wood, John Anthony Yu, Lawrence Ting Tung

## Diploma in Educational Psychology

Zinchovschiy, Anna Teresa

Aaronfeld, Odhette Alesi, Rita Barac, Jenny Helen Blainey, Janet Louise Bron, Mara Beverley Bruell, Franya Helen Canterbury, Rosemary June Chambers, Susan Carol Cosic, Sanja Demiris, Sheena Cameron Discenza, Angela Maria Duffy, Fiona Marie Golden, Jennifer Elizabeth Gorman-Alesi, Angela Fernanda Guidara, Daniela Anne Gvozden, Lidia Klara

Heyne, David Andrew Hunter, Mary Therese Ickowicz, Rosa Kendall, Katherine Mary Kibel, Marcus Rohan Langford, Pamela Jean Mallett, Terri Suzanne Mangani, Antoinette Loren Mason, Janet Bernadette Melville, Denise Lena Noblett, Janet Mary Penoglou, Gina Zoi Purgar, Daniela Antoinette Ratcliff, Jeanette Doris Robotis, Dimitra Stocks, Ian Victor Tchakerian, Doreen Tsoudis, Petroula Warner, Michael Robert Warren, Elizabeth Waterfield, David John Weaver, Noel Fraser Wong, Denise Leigh

## Diploma in Teaching English to Speakers of Other Languages

Adamson, Andrew Foster
Auld, Joan Rita
Bachsinar, Janet Madeline
Bartley, Anne Mary
Brand, Josephine Ann
Deslandes, Jennifer Margaret
Hua Choi Chiu-Ping, Florence
James, Elizabeth Anne
Logan, Antoinette
Rlue, Lesley E
Soo, Brian Allan
Trichter, Lina
Trounce, Russell Hendy
Unsworth, Wilhelmina Wylie

## Diploma in Commercial Law

Blevin, Andrew John Catalano, Angelo Hargrave, Judith Ann Harrick, Mark Christopher Kennedy, Gerard Desmond Kilbey, Gregory John Low Chee Keong Macaulay, Cameron Clyde Min Wei Tham Moffatt, Ian Pascarl, Ian Stanley Tang Tung Thai, Joseph Vasilopoulos, Anthony

## Diploma in Family Law

Birch, Sarnia Ann de Carteret Fildes, Paul Hinkley, Evelyn Nora Margaret Kordos, Vasilios Ward, Jennifer Ethel Zaparas-Kalaitzis, Evangelia

# Diploma in International and Comparative Law

Morice, Michael John Franklin

#### Diploma in Legal Studies

Leonidas, George Rose, Peter Norman

#### Diploma in Taxation Law

Ashiabor, Hope Kwaku Halperin, Graeme Ian Loh Mun Chiew, Peter MacGillivray, Brett Andrew Madigan, Brian John Masango, Tholimpilo Mouritz, David Mark Tobin, Mark David

## Diploma in Immunology

Chuang, Jeff Szuchieh Guin, Emilia Moon, Jane Raines, Geoffrey Ian Sawyer, Margaret Claire

## Diploma in Microbiology

Sittambalam, Sibanayaki

## Diploma of Venereology

Carmody, Christropher James Cherny, Vivienne Dammery, Edward Robert David Houghton, Debra Kaye Meese, Peter Dominic Rowbottom, Jill Hamilton Savage, Janet Clare Yoganathan, Seenivasagam

