

Engineering Update 2005

Issue – 2/2005

2005 Undergraduate Enrolment

A lot of time and effort, from many staff, went into the 2005 enrolment process – Careers Markets, school visits, Discovery Days, Honeywell Summer School, Early Entry interviews, Scholarship interviews, phoning students after the release of HSC results, the Yr12 Option Day, two enrolment days and orientation. Well it paid off. The Faculty has for the first time in many years exceeded the enrolment target, congratulations everyone. Last Friday the enrolment numbers were:

Course		Total
704	Bachelor of Engineering/ Bachelor of Arts	1
721	Bachelor of Engineering - Civil	48
723	Bachelor of Engineering - Mechanical	72
724	Bachelor of Engineering - Mining	17
726	Bachelor of Engineering - Civil and Mining	2
727	Bachelor of Engineering / Bachelor of Commerce	8
727A	Bachelor of Engineering / Bachelor of Commerce	2
730	Bachelor of Engineering - Scholars	6
732	Bachelor of Engineering - Materials	18
733	Bachelor of Engineering - Environmental	13
750	Bachelor of Engineering - Bachelor of Science	7
750A	Bachelor of Engineering - Bachelor of Science (Ex Sci)	3
757	Bachelor of Science - Physics	30
757A	Bachelor of Science - Honours	3
757P	Bachelor of Science - Photonics	5
759	Bachelor of Engineering - Mechatronics	29
784	Bachelor of Medical Radiation Physics	25
790	Bachelor of Engineering / Bachelor of Computer Science	2
791	Bachelor of Engineering / Bachelor of Mathematics	1
792	Bachelor of Science (Physics) - Bachelor of Mathematics	2
847	Bachelor of Medical and Radiation Physics	2
	TOTAL ENROLMENT	296

International Enrolment - International enrolment went well last week with approx. 20 new students enrolling. It is expected that a few more will turn up late – even this morning there are two new arrivals in the EEC talking with Peter Gibson. The total enrolment for postgraduate coursework is now around 60 students.

Scholarships

This year three Work Integrated Scholarships were awarded – 1 Bluescope and 2 RTA – bit down on previous years. Three scholarships in mining are yet to be awarded – 2 XStrata and 1 Seedsman. The three Faculty scholarships have now been accepted.

A total of 18 \$3,000 Engineering 1st Year scholarships (sponsored by the VC) have been accepted (10 female and 8 male) and 10 \$1,000 Faculty 1st Year scholarships have been accepted (1 female, 9 males).

Discovery Days - The Faculty hosted 199 students at this year's Discovery Days. The response from the students was great. All sessions were well attended by academic staff and a big thank you must go to Peter Wypych and Bob Wheway for running the sessions. There was also a big effort from the technical staff, especially Wendy Halford. Thank you everyone.

STAFF NEWS

Hugh Brown and Geoff Spinks are co-applicants with researchers from ANU on a belated LIEF grant. The grant was on the reserve list and now has been funded by the ARC. The funding is around \$250000 (matched by \$200000 by the Universities) and will establish a new "optical tweezers" facility at ANU. The system enables the trapping of single molecules in solution by first attaching the molecules to a small glass sphere. Once trapped the molecule can be stretched and the stretching forces measured (pico-Newtons!). Hugh and Geoff plan to use the facility to complement their AFM studies on "single molecule actuators" as funded in their recent ARC Discovery grant. Congratulations.

Keith Enever has been teaching the course in Systems Engineering and Life Cycle Management at the University of Kasetsart in Bangkok, which has previously been taken by Richard Dwight. Keith enjoyed interacting with the small group of students on the University's International Program in Industrial Engineering and with the staff of the Engineering Faculty there.

Brian Uy has been appointed to the International Editorial Board of the newly formed journal "Advanced Steel Construction, An International Journal" which is sponsored by the Hong Kong Institute of Steel Construction.

Admin Update

Doris Pengelly will be working on a casual basis in the EEC over the next few weeks. Doris has been employed to support the admin team while **Julie** is on leave for the month of March. **Marina** will work from Julie's office each morning and from the EEC in the afternoons.

To ensure a good service for students from the EEC, please provide the EEC with a list of student consultation times. It would be very helpful if the EEC has advanced notice of any large assignments due. We can then plan to have enough staff available to handle any rush. Thanks in advance.

ENGINEERING LIBRARIAN

Lucia Tome is seconded to the Research Training Librarian's position for 2005. The Engineering Librarian for 2005 is Beth Peisley. Beth can be contacted on x3334.

Important Dates - 2005

February	22	1.00	HDR student orientation (contact Lorelle)
	22	2.30	Faculty Research Council meeting
March	7	12.30	PGC student welcome (contact Joy)
	8	2.30	Faculty Education Committee – 8.119
	15	1.30	WAC meeting – 8.119
	15	2.30	Faculty Committee meeting – 4.118