

PROPOSAL TO INTRODUCE A NEW COURSE

(formerly known as subject)

FOLLOWING COMPLETION OF THE PROPOSAL, PLEASE DELETE ALL THESE YELLOW HIGHLIGHTED INSTRUCTIONS.

The original signed document (paper copy) *and an electronic version* must be received by the Secretariat **at least ten days** prior to the meeting date of the Faculty Standing Committee.

COPYRIGHT LAW

Staff intending to use digitised information to support their programs must consult with the University Librarian, Mr Andrew Wells on 9385-2662 (before this proposal is signed off by the University Librarian).

For assistance in completing the Form in the first instance contact:

Your Registrar's Nominee OR members of the Secretariat team:

Lynda Ho ext 2792 or email l.ho@unsw.edu.au

Medicine and Arts & Social Sciences.

Peter King ext 3073 or email p.king@unsw.edu.au

Science, Commerce & Economics and Engineering

Sandra Basir ext 3289 or email s.basir@unsw.edu.au

Australian Graduate School of Management, Built Environment, College of Fine Arts and Law

If further assistance is required, contact:

Jane Gatwood, Acting Deputy Registrar, Student Office, ext 3099 or email j.gatwood@unsw.edu.au

Kathy Keane, Assistant Registrar, Student Progression & Graduation, ext 3154 or email k.keane@unsw.edu.au.

Mr Richard Sanchez, ext.3362 or email richard.sanchez@unsw.edu.au.

1. COURSE DETAILS

1.1 **Course ID** Comp4xxx

1.2 **Course name – Long Computer Game Programming Workshop**

(Maximum 60 characters) Contact Student Information and Systems Office (ext 3362) for advice on a change to the course number.

1.3 **Course name – Abbreviated Computer Game Programming Workshop**

The abbreviated course name is used on internal reports and print-outs, and HECS and assessment notices issued to students. (maximum 40 characters)

1.4 **Course Authority CS&E**

ext/email

Dr. Tim Lambert

56496/ lambert@cse.unsw.edu.au

Dr. Adnan Amin

56924/amin@cse.unsw.edu.au

1.5 **Organisational Unit responsible for course**

The academic unit responsible for controlling the program.

CS&E

School: CS&E Faculty: Engineering

Academic Group Code (Faculty):

eg. Arts and Social Sciences = ARTSC

Academic Organisation Code (Owner): COMP

eg. Department of French=FREN

1.6 Justification of Proposal

Briefly state the nature of the new proposal and why it is proposed.

1. Modern computer games require collaboration between artists and programmers.
2. This course will involve programmers (from CS&E) and artists (from COFA), who will work together as teams to produce a computer game.
3. This course code is used for the CS&E students enrolled, COFA students will be enrolled in this existing course SOMA 3610 (Digital Studio).

1.7 Consultation Process

Which other interested parties, including other academic units, students and visiting committees, have been consulted on this proposal? Provide further details under sections 2.3 and 2.4 and attach any copies of correspondence.

We have consulted with COFA who are keen to see their students have an opportunity to collaborate with CS&E students.

1.8 Units of credit (UOC) Session/s offered Hours Per Week

S1, S2, S3 - Session 1, Session 2, Session 3 = whole year course

X1, X2 - summer, winter

M1, M2, M3, M4, M5 - u/g Medicine course

A1, A2, A3 - F/T MBA

Other - Provide details

S1 6UOC/3H

1.9 Pre-requisites: Comp 3421 Computer Graphics

Co-requisites: COMP3511

Exclusions:

1.10 Proposed Entry in the Faculty Handbook (including course description)

This course is run in conjunction with SOMA 3610 Digital Studio. Students will form teams containing programmers (this course), artists and designers (SOMA 3610) to create a computer game. There will be invited lectures from the game industry, AI researchers, artists and designers from COFA and computer graphics researchers.

1.11 Is this course replacing an existing course?

Give previous course ID and name

NO

1.12 Undergraduate / Postgraduate / Other (delete what is not applicable)

1.13 Elective

1.14 Program stage S1 2006

Indicate the program stage in which the course is usually taken and the session/year when it will first be offered.

1.15 Program/s in which course is be available

Provide program code and program name (address any servicing implications under sections 2.3 and 2.4).

Software Engineering
Computer Science
Computer Engineering, and
Combined programs involving these.

1.16 Proposed teaching methods and assessment practices

examinable (formal) or other (coursework, assignments, informal exam)

This Course is a project based, there will be a few lectures invited from the game programming industry, COFA, and CS&E, and assessment is based on the project(s).

1.17 Assessment grades to be used

full range of grades ie. HD, DN, CR, PS, FL; Satisfactory/Unsatisfactory; or Pass/Fail

Full range of grades

1.18 Mode of delivery

Internal

1.18.1 Multi-mode Delivery Guidelines

The following issues should be addressed in proposals for Multi-mode delivery:

- parity in admission requirements to ensure that the integrity of programs at UNSW was not compromised;
- administrative processes relating to enrolments and dealing with students overseas;
- content and standard of courses and assuring comparability with on-campus courses;
- by whom and how courses were to be delivered;
- assessment procedures; and
- availability of library resources.

Note: The business components of off-shore proposals are considered by the International Strategies Committee (ISC) chaired by Professor Wainwright, Deputy Vice-Chancellor (Research) whilst the Academic Board approves the academic aspects of proposals for offshore delivery of existing programs. The ISC considers (i) partnership arrangements; (ii) whether the impact on the faculty of staff going overseas has been considered; and (iii) whether appropriate steps have been taken to register the program in the country concerned.

The Postgraduate Coursework Committee has wished to ensure that the following issues have been addressed in proposals for offshore delivery: parity in admission requirements to ensure that the integrity of programs at UNSW is not compromised; administrative processes relating to enrolments and dealing with students overseas; content and standard of courses and assuring comparability with on-campus courses; by whom and how courses are to be delivered; assessment procedures and availability of library resources.

Proponents should contact the Office of the Deputy Vice-Chancellor (Research and International) regarding this committee.

1.19 Information Technology Requirements for students

In accordance with Academic Board resolution 99/66 relating to *Information Technology Requirements for UNSW Students* (see Secretariat website), please indicate the IT requirements for the course:

1.20 Textbooks None

Provide full details of all set and recommended textbooks in accordance with your faculty's textbook list guidelines

Core Techniques and algorithms in Game Programming, Daniel Sanchez and Crespo Dalmau, New Riders, 2003.

Recommended:

- Crawford, C. (1997). *The art of computer game design*. On-line document, <http://www.vancouver.wsu.edu/fac/peabody/game-book/Coverpage.html>
- Nelson, G. (1995). *The craft of the adventure*. On-line document, <ftp://ftp.gmd.de/if-archive/info/Craft.Of.Adventure.letter.ps>
- Sawyer, B. (1995). *The getting started guide to game development*. On-line document, <http://www.cs.colby.edu/courses/cs398/lectures/gamfaq.txt>

Supplementary texts

- Holder, W., & Bell, D. (1998). *Java game programming for dummies*. Foster City, CA: IDG Books Worldwide.
- Lamothe, A. (1998). *Windows game programming for dummies*. Foster City, CA: IDG Books Worldwide.
- Tieskoetter, K. (1996). *Black art of Macintosh game programming*. Corte Madera, CA: Waite Group.
- Lamothe, A., Ratcliff, J., Seminatore, M., & Tyler, D. (1994). *Tricks of the game programming gurus*. Indianapolis: Sams Publishing.

1.21 Industrial experience component None (where applicable)

2. RESOURCE STATEMENT

2.1 Enrolments

Estimated or proposed enrolments for the next three years.

2005: -

2006: 30

2007: 30

Note that this is only half of the students- the COFA students enrol under SOMA

2.2 Resource Requirements

Staffing Requirements:

Hours per week 7hrs/week for group mentors
One hour/week lectures

Full-time Academic Staff

Part-time Teaching Staff

General Staff

Field Costs:

Studio/Laboratory Requirements: None

Materials Requirements: None

Equipment Costs: None

Computing Requirements: 15 Computers with Virtools, Cost \$7500.

Library Requirements: None

Capital Funds Requirements: None

2.3 Servicing Implications:

Course proposals which involve servicing arrangements with Schools/Departments across Faculty boundaries should be considered by the other relevant Faculties or Boards of Studies.

Will service teaching be provided, or has it been in the past and will no longer be provided by another department/school? Provide details of any discussions/agreements reached, particularly with regard to resource re-allocation.

Project teams will be mentored by staff from CS&E (technical side) and from COFA (artistic side).

2.4 Teaching Arrangements:

(i) Will other units contribute on a regular basis to the teaching of this course?

NO

(ii) If so, which units are involved and what proportion of the course will they teach?

2.5 Alternative Delivery Arrangements:

Provide details of the alternative delivery arrangements eg. distance delivery modules, short-term residential school etc including the method of preparing teaching materials and their delivery. The Resource Authorisation from the University Librarian (section 3.1) should reflect the consultation undertaken with regard to any special services that will need to be provided for students.

2.6 Details of Tuition Fees:

Fees for courses are calculated on a pro-rata basis.

Proposed fee:

\$ for non-award enrolment (local)

\$ for non-award enrolment (international)

\$ for course which forms part of full fee-paying program (for local students)

\$ for course which forms part of full fee-paying program (for international students)

3. AUTHORISATION

3.1 University Librarian's Endorsement

Note: *this section of the Proposal must be signed by a Library representative, stating:*

I have examined the Library needs related to the above proposal and certify that existing Library holdings, staffing, services and accommodation are adequate / inadequate (delete one) to cover the demands that are inherent in it.

Appropriate arrangements for the use of digitised material to support this course have been made by the Course Authority with the University Librarian.

Further Comments:

University Librarian
/ /2004

3.2 Head of School's Approval

Note: *this section of the Proposal must be signed by the Head of School, stating:*

I have examined the resource implications of the above proposal in regard to staff, space, materials, equipment, capital funds, and computing, and certify that the School can cover the demands that are inherent in it.

Further Comments:

Head of School
/ /2004

3.3 Dean's Approval

Note: *this section of the Proposal must be signed by the Dean, stating:*

I have examined the resource implications of the above proposal in regard to staff, space, materials, equipment, capital funds, and computing, and certify that:

(Tick whichever is applicable)

- 3.3.1 (i) the proposal involves no additional resources. (A statement from the Head of School explaining how this can be achieved must be provided); or
- (ii) the proposal involves additional resources and it is proposed to redeploy existing resources within the faculty. (A statement from the Head of School explaining how

this will be achieved must be provided); or

- (iii) the proposal involves additional resources to be obtained as set out below; or
- (iv) the additional resources essential to bring the proposal into effect cannot be found within resources available to the faculty.

3.3.2 **Fees** (delete if not applicable):

- a fee will not be charged for this program (other than HECS)
- a fee will be charged for this program for local fee-paying students
- a fee will be charged for international students

If a fee is to be charged the Dean certifies as follows:

I have ensured that the Vice-Chancellor has been advised of the proposed fee arrangements, and note that approval of fee arrangements is needed before the new program can be implemented.

3.3.3 the proposal conforms to the University's commitment to Equal Opportunity in Education.

Statement from Head of School on Source of Additional Resources and/or Further Comments:

Dean
/ /2004

Please click on link for
[DISABILITY GUIDELINES FOR ACADEMIC STAFF PREPARING COURSES](#)