



1. Will this new course affect a current program?
If "yes", has a Program Revision Form been submitted concurrently?

Yes No
 Yes No

2. Teaching Department:
School of Computer Science

4. Campus
(Downtown, Macdonald,
Off Campus, Distance
Ed, Other – specify)
Downtown

5. Effective Term of Implementation
(Ex. Sept. 2004 = 200409)
Term: 200501

3. Administering
Faculty/Unit:
Graduate and Postdoctoral Studies

6. Course Title (Limit 30 Characters) - required for all courses:
Approximation Algorithms

7. Course Number(s)
Indicate course number & the number of terms spanned:
(tick all that apply)
Subject/course number: Comp 692
Course(s) Span:
 1 term
 2 consecutive terms (D1, D2)
 2 non-consecutive terms (N1, N2)
 3 terms (J1, J2, J3)

8. Course Title to Appear in the Calendar (optional)
(Limit 59 characters):
Note: This can ONLY be an expansion of word(s) abbreviated in the
30 character course title above.

9. Credit Weight
(or CEU's for non-credit CE courses):
4

10. Schedule Type(s):
(Enter all that apply – see form, STVSCHD in Banner for a complete list.)
(i.e. Lecture, Labs, Tutorial)

Hours per Week		Hours per Week		Hours per Week	
Lecture	3	Research	3		
Total Hours per Week:					6

This is a high level graduate course introducing students to research in the area. Its difficulty justifies the 4 credits.

Total Number of Weeks: 13

11. Projected Enrolment:
10

12. Prerequisite(s) (Courses or Tests)
Specify course number(s) or name(s) of test(s):

If the student does not have a prerequisite should web registration be blocked?

Yes No

If "Yes" complete A and B:

A. Indicate minimum grade or test score(s) the student must attain in prerequisite course(s) or test(s):

B. Can the prerequisite course(s) or test(s) be taken in the same term as this course?

Yes No

13. Corequisite(s) Course Number(s):
Specify course number(s) and title(s):

If the student does not register for the corequisite in the same term should web registration be blocked?

Yes No

14. Consultation Reports Attached

Yes N/A

15. Additional Course Charges (must be approved by the Fee Policy Committee)

Description of Fee
(e.g. screening fee)

Amount

<input type="text"/>	<input type="text"/>
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16. Requires Teaching, Physical, or Financial Resources Not Currently Available (attach explanation)

Yes No

17. Other Information (specify):

18. Course Description

(as it will appear in the Calendar [maximum 50 words]):

(N.B. Faculty of Medicine must append complete course outline)

The theory and application of approximation algorithms. Topics include: randomized algorithms, network optimization, linear programming and semi definite programming techniques, the game theoretic method, the primal-dual method, and metric embeddings.

19. Supplementary information to appear in the Calendar in addition to the course description.

Such as: registration restriction(s), prerequisite(s), corequisite(s), equivalent course(s), contact hours, enrolment limitations, language of instruction etc.

Please enter the information as it should appear in the calendar notes.

Prerequisites: Strong background in algorithms and/or mathematics.

20. Rationale

To provide a graduate course in Approximation algorithms. The course will cover standard techniques and topics essential to any student working in the area of the analysis of algorithms.

INFORMATION FOR ADMISSIONS, RECRUITMENT & REGISTRAR'S OFFICE

To be completed by the Faculty

Slot Course: Yes No

Thesis Component: Yes No

To be completed by ARR

CIP Code

For Continuing Education Use

CE Admin. Unit :

CE Non-Grant Courses:

Flat Rate: CdnFlat Rate: Yes N/A

21. Approvals:

Routing Sequence

Departmental Meeting

Departmental Chair

Other Faculty

Curric/Academic Committee

Faculty

SCTP

Name

Denis Thérien

Signature

Date

17 Sept. 2004

Departmental Contact Person (name/phone/email)

Judy Kenigsberg Ext. 00895