



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:

Computer Science, Biology

3. Administering Faculty/Unit:

Computer Science

6. Responsible Instructor

Mathieu Blanchette

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

downtown

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

Term:

Fall 2009

7. Course Title (Limit 30 Characters) - required for all courses:

Project in Biol. & Comp. Sci.

9. 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.

Project in Biology and Computer Science

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

3

8. Course Number(s)  
 Indicate course number & the number of terms spanned:  
 (tick all that apply)

Subject/course number: COMP 401

Course(s) Span:

- 1 term
- 2 consecutive terms (D1, D2)
- 2 non-consecutive terms (N1, N2)
- 3 consecutive terms (J1, J2, J3)

11. Rationale for new course

This project course will introduce senior undergraduate students to multidisciplinary research in an application of computer science to biology. The project will put in practice the concepts learned in the joint Biology and Computer Science major. The project will be co-supervised by a professor in Biology and a professor in Computer Science. The program coordinator will help students identify potential supervisors, if needed. The course will be offered all year round, including during the summer.

12. Course Description  
 (as it will appear in the Calendar [maximum 50 words]):  
 (N.B. Faculty of Medicine must append complete course outline)

A research project applying computational approaches to a biological problem. The project is co-supervised by professors in Biology and Computer Science.

13. Supplementary information to appear in the Calendar in addition to the course description.  
 Such as: equivalent course(s), contact hours, enrolment limitations, language of instruction etc.  
 Please enter the information as it should appear in the calendar notes.

Enrollment in the computer science/biology joint major

14. Schedule Types(s):

(Enter all that apply – see course guidelines for a complete list.)  
(i.e. Lecture, Labs, Tutorial)

Hours per Week	Hours per Week	Hours per Week
_____ <input type="text"/>	<u>Independent research</u> <input type="text" value="9"/>	_____ <input type="text"/>
_____ <input type="text"/>	_____ <input type="text"/>	_____ <input type="text"/>
		Total Hours per Week: <input type="text" value="9"/>
		Total Number of Weeks: <input type="text" value="13"/>

15. Projected Enrolment:

16. Required text and/or preliminary reading list sent to library?

Yes  No

17. Prerequisite(s) (Courses or Tests)

Specify course number(s) or name(s) of test(s):

BIOL 495 – Integrative computing in Biology  
\_\_\_\_\_  
\_\_\_\_\_

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

18. 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

19. Restriction(s):

Registration in the Computer Science and Biology joint major  
\_\_\_\_\_  
\_\_\_\_\_

20. Consultation Reports Attached

Yes  N/A

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

Description of Fee (e.g. screening fee)	Amount
_____	_____

22. Requires Teaching, Physical, or Financial Resources Not Currently Available (attach explanation)

Yes  No

INFORMATION FOR ADMISSIONS, RECRUITMENT & REGISTRAR'S OFFICE		
<i>To be completed by the Faculty</i> Slot Course: <input type="checkbox"/> Yes <input type="checkbox"/> No  Thesis Component: <input type="checkbox"/> Yes <input type="checkbox"/> No	<i>To be completed by ARR</i> CIP Code <div style="border: 1px solid black; height: 20px; width: 100%; margin-top: 5px;"></div>	<i>For Continuing Education Use</i> CE Admin. Unit : <div style="border: 1px solid black; width: 100%; height: 20px; margin-top: 5px;"></div> CE Non-Grant Courses: <div style="border: 1px solid black; width: 100%; height: 20px; margin-top: 5px;"></div> Flat Rate: CdnFlat Rate: <input type="checkbox"/> Yes <input type="checkbox"/> N/A

23. Approvals:						
Routing Sequence	Departmental Meeting	Departmental Chair	Other Faculty	Curric/Academic Committee	Faculty	SCTP
Name	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>
Signature	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>
Date	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>
Departmental Contact Person (name/phone/email)	<div style="border: 1px solid black; width: 100%; height: 20px;"></div>					