

New Course

Proposal Reference Number : 213
 Version No : 1
 Submitted By : Mrs Susan Gabe

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New Data					
Program Affected?	N				
Program Change Form Submitted?					
Subject Code / Course Number	BIOL 495 <ul style="list-style-type: none"> • one term 				
Credit Weight or CEU's	3 credits				
Course Activities	<table border="1"> <thead> <tr> <th>Schedule Type</th> <th>Hours per week</th> </tr> </thead> <tbody> <tr> <td>A - Lecture</td> <td>3</td> </tr> </tbody> </table>	Schedule Type	Hours per week	A - Lecture	3
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	A - Lecture	3			
Total Hours per Week : 3 Total Number of Weeks : 13					
Course Titles	<table border="1"> <tbody> <tr> <td>Official Course Title :</td> <td>Integrative Computing in Biol.</td> </tr> <tr> <td>Course Title in Calendar :</td> <td>Integrative Computing in Biology</td> </tr> </tbody> </table>	Official Course Title :	Integrative Computing in Biol.	Course Title in Calendar :	Integrative Computing in Biology
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Course Title in Calendar :	Integrative Computing in Biology				
Rationale	<p>A new joint undergraduate major program in Computer Science and Biology has been proposed. BIOL 495 will be a cornerstone course for advanced undergraduate students enrolled in this program that will integrate biological concepts with computer science approaches. This course will prepare students for the joint project course COMP 401, which should be taken concurrently or subsequent to BIOL 495. The course will be divided between lectures that introduce relevant and timely topics and concepts in Biology that are enabled through computational biology (e.g. algorithm development and implementation, process modeling, network analysis), a short project and project presentations.</p>				
Course Description	Integrates biological concepts with relevant computer science approaches, including topics and concepts in biology that are enabled through computational biology.				
Teaching Dept.	0286 : Biology				
Administering Faculty/Unit	SC : Faculty of Science				
Prerequisites	COMP 251 and at least 9 credits of Biology courses at the 200-level or higher.				
Corequisites					
Restrictions					

Additional Calendar Info	1. (3 crs) (Fall) Limited to students enrolled in the Computer Science and Biology joint major or with consent of the instructor
Additional Course Charges	
Campus	Downtown
Projected Enrolment	10
Requires Teaching, Physical, or Financial Resources Not Currently Available	N
Explanation for Required Resources	
Consultation Reports Attached?	
Effective Term of Implementation	200909
File Attachments	No attachments have been saved yet.

Approvals Summary

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Version No.	Departmental Meeting	Departmental Chair	Other Faculty	Curric/Academic Committee	Faculty	SCTP	Version Status
1							<i>Submitted to Department Chair for approval 24-Jan-2008</i>