

## New Course

Proposal Reference Number : 496

Version No : 4

Submitted By : Mrs Susan Gabe

Edited By : Miss Lisa Stanischewski

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	<b>New Data</b>					
Program Affected?	N					
Program Revision Form Submitted?						
Subject/Course/Term	BIOL 316 • 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> <div style="text-align: right;">           Total Hours per Week : 3            Total Number of Weeks : 13         </div>		Schedule Type	Hours per week	A - Lecture	3
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A - Lecture	3					
Course Title	<table border="1"> <tbody> <tr> <td>Official Course Title :</td><td>Eukaryotic Cell Biology II</td></tr> <tr> <td>Course Title in Calendar :</td><td>Eukaryotic Cell Biology II</td></tr> </tbody> </table>		Official Course Title :	Eukaryotic Cell Biology II	Course Title in Calendar :	Eukaryotic Cell Biology II
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Rationale	<p>This upper-level course is required to broaden and deepen our curriculum in cell biology. Currently, our introductory course, BIOL 201, gives students an overview of cell biology. However, as a general biology department, we have not offered a higher-level course to deepen some important aspects of the subject such as the function, dynamics and molecular regulation of the membrane-bound organelles, one of the most important features of eukaryotic cells. As a result, students with an interest in Molecular Cell Biology are poorly prepared. This course will be organized closely with the existing BIOL 313 to make a coherent series in modern eukaryotic cell biology.</p>					
Responsible Instructor	Hugo Zheng					
Course Description	Protein and lipid biochemistry, membrane structure and transport; intracellular compartmentalization, protein sorting and modification, intracellular membrane trafficking; energy transfer, organization and dynamics of chloroplasts and mitochondria; extracellular matrix, cell walls; cell behaviors in their social context.					
Teaching Dept.	0286 : Biology					
Administering Faculty/Unit	SC : Faculty of Science					
Prerequisites	BIOL 201 or ANAT 212/BIOC 212 Web Registration Blocked? : N					
Corequisites						
Restrictions						
Supplementary Calendar Info	1. (3) (Fall) (Prerequisites: BIOL 201 or ANAT 212/BIOC 212)					

Additional Course Charges	
Campus	Downtown
Projected Enrollment	85
Requires Resources Not Currently Available	N
Explanation for Required Resources	
Consultation Reports Attached?	Y <ul style="list-style-type: none"> <li>312Micro and Physio consults.pdf <a href="#">View</a></li> <li>312Anat consult.doc <a href="#">View</a></li> </ul>
Effective Term of Implementation	200909
File Attachments	<ul style="list-style-type: none"> <li>BIOL 312.doc <a href="#">View</a></li> </ul>
To be completed by the Faculty	
For Continuing Education Use	

## Approvals Summary

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Version No.	Departmental Curriculum Committee	Departmental Meeting	Departmental Chair	Other Faculty	Curric/Academic Committee	Faculty	SCTP	Version Status
4								Submitted to Curriculum/Academic Committee for approval Edited by: Lisa Stanischewski on: Oct 23 2008
3								Submitted to Curriculum/Academic Committee for approval Edited by: Lisa Stanischewski on: Oct 23 2008
2								Submitted to Curriculum/Academic Committee for approval Edited by: Josie D'Amico on: Oct 21 2008
1								Submitted to Curriculum/Academic Committee for approval Created on: Oct 10 2008