

## New Course

Proposal Reference Number : 3638  
 PRN Alias : 11-12#594  
 Version No : 3  
 Submitted By : Ms Nancy Nelson  
 Edited By : Ms Josie D'Amico

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New Data					
Program Affected?	N				
Program Change Form Submitted?					
Subject/Course/Term	BIOL 597 one term				
Credit Weight or CEU's	2 credits				
Course Activities	<table border="1"> <thead> <tr> <th>Schedule Type</th> <th>Hours per week</th> </tr> </thead> <tbody> <tr> <td>M - Seminar</td> <td>3</td> </tr> </tbody> </table>	Schedule Type	Hours per week	M - Seminar	3
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M - Seminar	3				
Total Hours per Week : 3 Total Number of Weeks : 8					
Course Title	<table border="1"> <tbody> <tr> <td>Official Course Title :</td> <td>Advanced Biostatistics</td> </tr> <tr> <td>Course Title in Calendar :</td> <td>Advanced Biostatistics</td> </tr> </tbody> </table>	Official Course Title :	Advanced Biostatistics	Course Title in Calendar :	Advanced Biostatistics
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Course Title in Calendar :	Advanced Biostatistics				
Rationale	<p>This course is tailored to individuals who are in the midst of data analysis, namely graduate students and honours undergraduates. It is designed to follow BIOL 596, Advanced Experimental Design, and will guide students in the implementation of statistical approaches most suitable to their experimental questions.</p>				
Responsible Instructor	BIOL 596 recommended				
Web Registration Blocked?	N				
Corequisites					
Restrictions					
Supplementary Calendar Info					

Additional Course Charges	
Campus	Downtown
Projected Enrollment	15
Requires Resources Not Currently Available	N
Explanation for Required Resources	
Required Text/Resources Sent To Library?	
Library Consulted About Availability of Resources?	
Consultation Reports Attached?	
Effective Term of Implementation	201209
File Attachments	No attachments have been saved yet.
To be completed by the Faculty	
For Continuing Studies 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
3								Approved by Departmental Curriculum Committee Edited by: Josie D'Amico on: Jan 12 2012
2	Approved Frederic Guichard Meeting Date: Dec 07 2011 Approval Date: Dec 7 2011 <a href="#">View Comments</a>							Approved by Departmental Curriculum Committee Edited by: Nancy Nelson on: Dec 7 2011
1								Submitted to Departmental

Advanced Biostatistics

BIOL 597

2 credits

Professors: Catherine Potvin and Jon Sakata

Course Syllabus

Wednesdays 9:00 to 12:00

This course is aimed at graduate students in the Department of Biology and at upper level undergraduates who are in the midst of data analysis. This course is designed to be an extension of BIOL 596, Advanced Experimental Design, and will be oriented to help the students with the specific challenges that they are facing (or will be facing) in their own research. The course will consist of formal lectures, discussions of scientific papers and of model experiments, and student led discussions of analytical techniques, and student presentations of the application of statistical approaches to their own data.

The following applications mode can be found at <https://www.biostat.wisc.edu/~potvin/>

The

November 21	Written report on implementation of statistics incorporating input	30%
	Participation	10%

**Student led method presentation:**

Students will work in pairs to present and illustrate a statistical method not taught in class and, preferably, not using in their own work. The presentation should include the methods, assumptions, and possible applications. A list of methods to be presented will be given by the