

New Course

Proposal Reference Number : 2447
 PRN Alias : 10-11#486
 Version No : 4
 Submitted By : Ms Vittoria Catania
 Edited By : Ms Josie D'Amico

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New Data					
Program Affected?	Y				
Program Change Form Submitted?	N (Simple Change) - Simple: Anatomy & Cell Biology BSc Major & BSc.Honour in the list of Complementary courses (first set of 12 credits selected)				
Subject/Course/Term	ANAT 565 <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 Title	<table border="1"> <tbody> <tr> <td>Official Course Title :</td> <td>Diseases-membrane trafficking</td> </tr> <tr> <td>Course Title in Calendar :</td> <td>Diseases of membrane trafficking</td> </tr> </tbody> </table>	Official Course Title :	Diseases-membrane trafficking	Course Title in Calendar :	Diseases of membrane trafficking
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Course Title in Calendar :	Diseases of membrane trafficking				
<p>Rationale</p> <p>This course is designed to provide a further in-depth understanding of the membrane trafficking processes utilized in mammalian cells, the bases of which are covered in ANAT365. Thus this course is aimed as being an advanced class for students who have previously taken ANAT365 and hence ANAT365 is a requirement for this course. Our understanding of many of the key processes in membrane trafficking has come from the study of associated diseases. Therefore these diseases and the independent study of relevant primary literature will be the primary focus of the teaching these advanced processes in membrane trafficking. Additionally the course aims to expose the student to the processes of research through student-focused presentations of primary literature, and the directed writing of grant proposals.</p>					
Responsible Instructor	Fiona Bedford				
Course Description	<p>This course will examine how research into diseases has played a key role in unraveling the intricate molecular mechanisms controlling membrane trafficking in mammalian cells. Membrane trafficking disorders fall into two groups those arising from a) membrane-associated or b) cytoskeletal defect. Topics include a) mechanisms of endosomal maturation, lysosomal storage disorders and rab protein-mediated vesicular trafficking and b) rho GTPase and cytoskeletal</p>				

	binding protein mediated trafficking associated with neurological diseases and cancer.
Teaching Dept.	0032 : Science
Administering Faculty/Unit	SC : Faculty of Science
Prerequisites	ANAT 365 - Cellular Trafficking Web Registration Blocked? : Y Minimum Grade or Test Scores : C or better Prereq course or test taken at the same time? : N
Corequisites	
Restrictions	
Supplementary Calendar Info	
Additional Course Charges	
Campus	Downtown
Projected Enrollment	70
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	201201
File Attachments	<ul style="list-style-type: none"> ANAT565-course outline-FAC.pdf View
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: Josie D'Amico on: Dec 9 2010
3								Submitted to Curriculum/Academic Committee for approval Edited by: Josie D'Amico on: Dec 8 2010
2								Submitted to Curriculum/Academic Committee for approval Edited by: Vittoria Catania on: Dec 6 2010
1								Submitted to Curriculum/Academic Committee for approval Created on: Nov 29 2010