

## New Course

Proposal Reference Number : 9154  
 PRN Alias : 14-15#377  
 Version No : 4  
 Submitted By : Ms Chantal Grignon  
 Edited By : Ms Chantal Grignon

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New Data					
Program Affected?	Y				
Program Change Form Submitted?	Y				
Subject/Course/Term	PHAR 201 <ul style="list-style-type: none"> <li>• one term</li> </ul>				
Credit Weight or CEU's	1 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>1</td> </tr> </tbody> </table>	Schedule Type	Hours per week	A - Lecture	1
	Schedule Type	Hours per week			
	A - Lecture	1			
Total Hours per Week : 1 Total Number of Weeks : 13					
Course Title	<table border="1"> <tbody> <tr> <td>Official Course Title :</td> <td>Introduction to Pharmacology 2</td> </tr> <tr> <td>Course Title in Calendar :</td> <td>Introduction to Pharmacology 2</td> </tr> </tbody> </table>	Official Course Title :	Introduction to Pharmacology 2	Course Title in Calendar :	Introduction to Pharmacology 2
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Course Title in Calendar :	Introduction to Pharmacology 2				
Rationale	<p>The goal of this new course is to introduce students enrolled in our Major program in Pharmacology to Pharmacology in U1. Currently, our students first encounter Pharmacology in U2 when they take courses in three fundamental areas of pharmacology (Drug Action, Drugs and Disease, and Principles of Toxicology). This new course will provide them with an early appreciation of research topics in Pharmacology, introduce them to our faculty members, and provide a forum for discussion of topics in Pharmacology in U1.</p>				
Responsible Instructor	Dr. Barbara Hales and Dr. Anne McKinney				
Course Description	<p>This course will be a continuation of PHAR200, taught in the fall semester. The focus will be on contributions of this research to our understanding of how drugs work, strategies towards the discovery of new drugs, and/or on how use of current drugs may be improved based on this understanding.</p>				
Teaching Dept.	0253 : Pharmacology and Therapeutics				

Administering Faculty/Unit	SC : Faculty of Science
Prerequisites	PHAR 200 Web Registration Blocked? : N
Corequisites	
Restrictions	- Only open to students in the BSc. Major in Pharmacology.
Supplementary Calendar Info	
Additional Course Charges	
Campus	Downtown
Projected Enrollment	130
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	201601
File Attachments	<ul style="list-style-type: none"> <li>PHAR201 Introduction to Research in Pharmacology 2 V3 Nov 21.pdf <a href="#">View</a></li> </ul>
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
4								Submitted to Curriculum/Academic Committee for approval Edited by: Chantal Grignon on: Nov 21 2014

## **PHAR 201 Course Outline**

**Course title: Introduction to Pharmacology 2**

**Course coordinator: Barbara Hales and Anne McKinney**

Course Description: This course will be a continuation of PHAR200, taught in the fall semester. The focus will be on contributions of this research to our understanding of how drugs work, strategies towards the discovery of new drugs, and/or on how use of current drugs may be improved based on this understanding.

Each class will be led a Professor in Pharmacology who will highlight aspects of research programs in Pharmacology.

Evaluation:

Letter grades will be assigned. Two “in class” examinations in the form of short answer questions will be held in the middle and at the end of the course. The midterm and final exams will each be worth 50%.

The topics that are selected for PHAR201 will be chosen so that they do not overlap with those covered in the fall in PHAR200. Examples of topics to be discussed include the following:

- Mechanisms of chronic pain in the central and peripheral nervous system, Alfredo Ribeira-da-Silva
- Effects of environmental toxicants and aging on the male reproductive system, Bernard Robaire
- The use of protein mimicry in drug design, Uri Saragovi
- Impact of the social environment early in life on DNA methylation, Moshe Szyf
- Chromatin, transcription, epigenetics, histones, and ubiquitin, Jason Tanny
- DNA methylation and genomic imprinting as the targets for drug effects on germ cells and embryos, Jacquetta Trasler
- Structural pharmacology and Parkinson's disease, Jean-Francois Trempe
- Neuronal energy metabolism and angiogenesis, Jean-Sébastien Joyal
- Cellular signalling in the cardiovascular system, Bruce Allen
- Plasticizers as male reproductive toxicants, Martine Culty
- Drug development from the industry perspective, Jennifer Laird
- Drugs designed to target diabetes and inflammation, Joseph Mancini