

New Course

Proposal Reference Number : 9155
 PRN Alias : 14-15#378
 Version No : 7
 Submitted By : Ms Chantal Grignon
 Edited By : Ms Josie D'Amico

[Display Printable PDF](#)

New Data									
Program Affected?	N								
Program Change Form Submitted?									
Subject/Course/Term	PHAR 390 <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>5</td> </tr> <tr> <td>FWL - Follow up lab</td> <td>5</td> </tr> <tr> <td>L - Laboratory</td> <td>15</td> </tr> </tbody> </table>	Schedule Type	Hours per week	A - Lecture	5	FWL - Follow up lab	5	L - Laboratory	15
	Schedule Type	Hours per week							
	A - Lecture	5							
	FWL - Follow up lab	5							
	L - Laboratory	15							
Total Hours per Week : 25 Total Number of Weeks : 2									
Course Title	<table border="1"> <tr> <td>Official Course Title :</td> <td>Laboratory in Pharmacology</td> </tr> <tr> <td>Course Title in Calendar :</td> <td>Laboratory in Pharmacology</td> </tr> </table>	Official Course Title :	Laboratory in Pharmacology	Course Title in Calendar :	Laboratory in Pharmacology				
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Course Title in Calendar :	Laboratory in Pharmacology								
Rationale	<p>The Pharmacology Practical lab course will be offered to our Honours students in the summer of U2 as an elective course. As these students are required to complete a PHAR 598 Research Project; this course will familiarize them with safe practical laboratory work and thus to facilitate future laboratory internships and finding supervisors.</p>								
Responsible Instructor	Dr. Lisa Munter								
Course Description	<p>This course is a two-week all day practical laboratory course where students will have the opportunity to design their own experiments, write out the experimental lab reports and learn to trouble shoot on their own.</p>								
Teaching Dept.	0253 : Pharmacology and Therapeutics								
Administering Faculty/Unit	SC : Faculty of Science								

Prerequisites	
Corequisites	
Restrictions	Restricted to Pharmacology Honours students, or permission of instructor.
Supplementary Calendar Info	
Additional Course Charges	
Campus	Downtown
Projected Enrollment	24
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?	Y <ul style="list-style-type: none"> PHAR 390 Consultation Report Biochemistry.pdf View PHAR 390 Consultation Report Physiology.pdf View
Effective Term of Implementation	201505
File Attachments	<ul style="list-style-type: none"> PHAR 390 Lab Equipment List.pdf View PHAR 390 - Physiology Letter Dr. Orlowski.pdf View Dr. Davis Budget Confirmation for Equipment.msg View PHAR 390 Laboratory Course syllabus v2 Nov 21.pdf View
To be completed by the Faculty	
For Continuing Studies Use	

Approvals Summary

[Show all comments](#)

Version No.	Departmental Curriculum Committee	Departmental Meeting	Departmental Chair	Other Faculty	Curric/Academic Committee	Faculty	SCTP	Version Status

**CONSULTATION REPORT FORM
COURSE PROPOSALS**

DATE: October 17th 2014

TO: Dr. Albert M. Berghuis, Professor and Chair, Department of Biochemistry

FROM: Dr. Lisa Münter, Assistant Professor, Department of Pharmacology

The attached proposal has been submitted to the Curriculum/Academic Committee, and it has been decided that your department should be consulted.

Course: PHAR 390 - Pharmacology Practical Lab (3 credits).

Would you be good enough to review this proposal and let me know as soon as possible, on this form, whether or not your department has any objections to, or comments regarding, the proposal.

NO OBJECTIONS

SOME OBJECTIONS

COMMENTS:



Signature: John Silvius (Chair, Curriculum Cttee.)/Albert Berghuis (Dept. Chair)

Date: Oct. 21, 2014

**CONSULTATION REPORT FORM
COURSE PROPOSALS**

DATE: October 17th 2014

TO: Dr. John Orłowski, Professor and Chair, Department of Physiology

FROM: Dr. Lisa Münter, Assistant Professor, Department of Pharmacology

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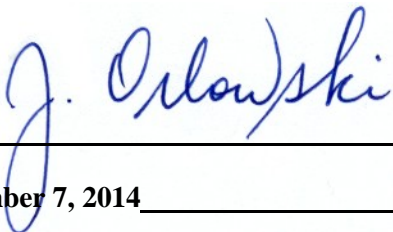
Would you be good enough to review this proposal and let me know as soon as possible, on this form, whether or not your department has any objections to, or comments regarding, the proposal.

NO OBJECTIONS

SOME OBJECTIONS

COMMENTS:

Signature:



Date:

November 7, 2014 _____



McGill

JOHN ORLOWSKI, Ph.D.

Chair
James McGill Professor
Department of Physiology
McGill University
McIntyre Medical Sciences Bldg.
3655 Promenade Sir-William-Osler
Montreal, Quebec, Canada H3G 1Y6

Directeur
Titulaire de James McGill
Département de Physiologie
Université McGill
Pavillon McIntyre
3655 Promenade Sir-William-Osler
Montréal, Québec, Canada H3G 1Y6

Tel./Tél. Admin.: (514) 398-4318
Tel./Tél. Lab.: (514) 398-8335
Fax/Télécopier: (514) 398-7452
E-mail/Courriel: john.orlowski@mcgill.ca

17 October 2014

Dr. Gerhard Multhaup
Chair, Department of Pharmacology & Therapeutics
McGill University

RE: PHAR 390 Pharmacology Practical Lab

Dear Gerd,

I am writing to express the support of the Department of Physiology for your written proposal to establish a new elective lab course in Pharmacology entitled **PHAR 390 Pharmacology Practical Lab** (3 credits) for B.Sc. Honours Pharmacology students. To assist you in this endeavour, the Department of Physiology is willing to provide the Department of Pharmacology & Therapeutics with the use of our undergraduate teaching laboratory on the 10th floor of the McIntyre Medical Sciences Building to set up this practical course. As per your request, this space would be made available during the middle two weeks of August. It is also my understanding that the resources to equip and operate the lab will be supplied by the Department of Pharmacology & Therapeutics. I wish you every success in establishing this new course.

Best Regards,

John Orłowski, Ph.D.
Chair, Department of Physiology

From: Elaine C. Davis, Dr.
Sent: Thursday, November 13, 2014 12:11 PM
To: Gerhard Multhaup, Dr.
Cc: Chantal Grignon, Ms.; H el ene Duplessis, Ms.; Gradadmin Med
Subject: Re: practical-course

Hi Gerd:

Sorry for the delay. We have been trying to go into the actual funds to confirm things. This is the information:

Each year, the Faculty of Science has allocated fund to you that were collected as part of the BSc tuition. The amount is based on your enrolment.

2009-2010 \$5,180.81
2010-2011 \$6,857.36
2011-2012 \$8,337.41
2012-2013 \$13,984.47
TOTAL \$34,360.05

The total from Science will be matched by the Dean of Medicine.
So, you have a budget of \$68,720.10 to work with.

I will need to approve to final purchases.

Best,
Elaine

> From: "Gerhard Multhaup, Dr." <gerhard.multhaup@mcgill.ca>
> Date: Mon, 10 Nov 2014 15:37:17 -0500
> To: Elaine Davis <elaine.davis@mcgill.ca>
> Cc: "Chantal Grignon, Ms." <chantal.grignon@mcgill.ca>
> Subject: Re: practical-course
>
> Hi Elaine
>
> We are ready to submit the description of the practical course. It
> would be helpful to have a written statement that we have already some
> money to buy equipment (was it \$35,000?).
>
> I would be grateful if you send me a short note.
> Thanks in advance.
>
> Best
> Gerd

PHAR 390 Pharmacology Practical Lab

Lab equipment that we will use from Physiology:

- benches, sink – nothing else

Lab equipment that we would like to rent from Biochemistry:

- spectrophotometers (they have 15 and Jason Young may need to use some)
- (they measure one cuvette (4mL) at a time)
- PCR machine(s) – 12 x 8 strips (96-well block) – for one or two days (there are other users)
- 1 refrigerated centrifuge
- 1 centrifuge
- 6 heating blocks
- 2 power supplies (would 6 be okay?)
- 1 western blot rocker
- stands for columns
- several small centrifuges to avoid contaminations
- ice buckets

We have to get ourselves:

- 12 pipettes sets
- pH meter
- racks for 15 mL vials that stick to the shaker
- 6 Bio-Rad gel chambers for 2 gels each
- chambers for agarose gels (not BioRad)

Gas, Bunsen burner?



McGill

Department of Biochemistry
McGill University

Albert M. Berghuis, Ph.D.
Canada Research Chair in Structural Biology
Chair, Biochemistry Department

McIntyre Medical Sciences Building
3655 promenade Sir William Osler, Rm 905D
Montreal, Quebec, Canada H3G 1Y6

Tel.: (514) 398-8795
Fax: (514) 398-7384
Email: albert.berghuis@mcgill.ca

Friday, November 21, 2014

Chantal Grignon
Undergraduate Student Affairs Coordinator
Department of Pharmacology and Therapeutics
McGill University

Re: PHAR 390 – Memo regarding use of equipment and space for Laboratory Course

Dear Chantal:

This is as a follow-up to the Department of Biochemistry's Consultation Report for your planned Pharmacology Practical Lab Course – PHAR 390.

In discussion between me and Dr. Gerhard Multhaup, and between Vicky Kottis, Dr. Lisa Marie Munter, David Kalant and yourself, we have arrived at the following preliminary arrangements for how the Department of Biochemistry can assist the Department of Pharmacology and Therapeutics with the planned PHAR 390 course:

- a) We are, unfortunately, *unable* to assist with laboratory space, as we are running a laboratory course at the time planned for PHAR 390.
- b) We are able to assist you with some of the necessary laboratory equipment that you will need for running experiments.
- c) The details of what equipment the Department of Biochemistry will assist with, remains to be determined, but discussions on this are in an advanced state (see attached document prepared by Dr. Munter).
- d) The Department of Pharmacology and Therapeutics will pay rental fees to the Department of Biochemistry for the use of the equipment, the details of which remain to be determined.

Sincerely,

Albert M. Berghuis, Ph.D.
Canada Research Chair in Structural Biology
Chair, Biochemistry Department

Supplemental Document Prepared by Dr. Lisa Marie Munter:

This is a list of equipment that was discussed with Vicky Kottis (lab manager, Biochemistry) and David Kalant (lab manager, Pharmacology), which includes instruments that Biochemistry could provide for the planned Pharmacology lab course.

Depending on the Pharmacology budget, we may be able to purchase some items of this list:

Lab equipment that we would like to rent from Biochemistry:

- Spectrophotometers, measure one cuvette at a time (Biochem. has 15 and Jason Young may need to use some)
- PCR machine(s) – 12 x 8 strips (96-well block) – rent for one or two days (there are other users)
- 1 refrigerated centrifuge
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- 6 heating blocks
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- stands to fix columns
- some small centrifuges (6 vials, max 6000 rpm) to train to avoid contaminations

Pharmacology will definitely purchase:

- 12 pipettes sets
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- 6 Bio-Rad gel chambers for 2 gels each
- chambers for agarose gels (not BioRad)