

The University Of Toledo

Existing Graduate Course Modification Form

* denotes required fields

Contact Person*: Hermann von Grafenstein Phone: 530-1920 (xxx - xxxx) Email: hermann.grafenstein@utoledo.edu

Present

Proposed

Supply all information asked for in this column. (Supply core, research intensive and transfer module info if applicable)

Fill in appropriate blanks only where entry differs from first column.

College*: College Pharmacy, Pharm Sciences

College: College Pharmacy, Pharm Sciences

Dept/Academic Unit*: Medicinal and Biological Chemistry

Dept/Academic Unit: Medicinal and Biological Chemistry

Course Alpha/Numeric*: MBC 6300

Course Alpha/Numeric: MBC 6300

Course Title: Biomedical Chemistry Laboratory I

Course Title: Biomedical Chemistry Laboratory I

Credit hours: Fixed: 4 or Variable: to

Credit Hours: Fixed: 1 or Variable: to

CrossListings:

CrossListings:

Insert

To add a course, type in course ID and click the Insert button.

To remove a course, select the course on left and click the Remove button.

Remove

Insert

To add a course, type in course ID and click the Insert button.

To remove a course, select the course on left and click the Remove button.

Remove

Prerequisite(s)(if longer than 50 characters, please place it in Catalog Description):

Prerequisite(s)(if longer than 50 characters, please place it in Catalog Description):

Corequisite(s)(if longer than 50 characters, please place it in Catalog Description):

Corequisite(s)(if longer than 50 characters, please place it in Catalog Description):

Catalog Description (only if changed) 75 words max: **Catalog Description** (only if changed) 75 words max:

Has course content changed?

 Yes

 No

If course content is changed, give a brief topical outline of the revised course below(less than 200 words)

Proposed effective term*: (e.g. 201140 for 2011 Fall)

File Type	View File
Syllabus	View

List any course or courses to be deleted.

Effective Date: 

Effective Date: 

Comments/Notes:

Change of credit hours: Credit hours are reduced from 4 credit hours to 1 credit hour.

Explanation:

- a. This course is a laboratory rotation to introduce the student to a potential lab for dissertation research.
- b. The students have a large course load this semester and do not have time to devote so many hours to research. They do not yet have sufficient research background to be productive.
- c. The new credit hour will be more appropriate to the time that can be devoted to this course, 3 hours of laboratory work per week.

The proposed curriculum change, including the change to MBC6300/8300 had been drafted at an MBC Graduate Affairs Committee meeting on November 3, 2015 and was discussed at length at MBC departmental meetings on November 12, 2015 and January 21, 2016. The changes were approved by the College Curriculum Committee on March 3, 2016.

Rationale:

The proposed change of MBC 6300/8300 Biomedical Chemistry Lab I is part of an overall revision of the Medicinal Chemistry Doctoral Program that was necessary to reduce the time to graduation and the number of credits required for graduation as demanded by the State of Ohio.

Approval:

Department Curriculum Authority:	James T Slama, Ph.D., Professor	Date	2016/03/09
Department Chairperson:	Katherine A Wall	Date	2016/04/05
College Curriculum Authority or Chair:	Frederick E. Williams	Date	2016/12/09
College Dean:	Laurie Mauro	Date	2016/12/29
Graduate Council:	Constance Schall (GC 1.24.2017)	Date	2017/01/26
Dean of Graduate Studies:	Amanda Bryant-Friedrich	Date	2017/02/01
Office of the Provost :	marcia king-blandford	Date	2017/02/16

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Administrative Use Only

Effective Date:

2017/05/17



(YYYY/MM/DD)

CIP Code:**Subsidy Taxonomy:**

masters

Program Code:**Instructional Level:**

masters

Registrar's Office Use Only**Processed in Banner on:**

2016/09/01

**Processed in Banner by:**

Tasha Woodson

Banner Subject Code:

MBC

Banner Course Number:

6300

Banner Term Code:

201710

Banner Course Title:

Biomedical Chemistry Laboratory I



Biomedical Chemistry Laboratory I

The University of Toledo

Medicinal and Biological Chemistry, College of Pharmacy and Pharmaceutical Sciences
MBC 6300/8300, sections 001-008, 010-011, 043

Instructor: Drs. Bryant-Friedrich, Erhardt, von Grafenstein, Peseckis, Shah, Slama, Tillekeratne, Wall, McInerney, Schiefer, and Sari

Email: Amanda.Bryant-Friedrich@utoledo.edu
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Hermann.vonGrafenstein@utoledo.edu
Steven.Peseckis@utoledo.edu
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Katherine.Wall@utoledo.edu
Marcia.McInerney@utoledo.edu
Isaac.Schiefer@utoledo.edu
Youssef.Sari@utoledo.edu

Office Hours: Students can meet at any time when the instructor is available. Meetings may be scheduled by e-mail between the student and the instructor.

Office Location and Phone:

Dr. Amanda Bryant-Friedrich, WO 2217	419-530-1940
Dr. Paul Erhardt, WO 2206B	419-530-2167
Dr. Hermann von Grafenstein, BO 2833	419-530-1981
Dr. Steven Peseckis, MK 2000D	419-530-6039
Dr. Zahoor Shah, HEB 294A	419-383-1587
Dr. James Slama, HEB 274E	419-383-1925
Dr. Viranga Tillekeratne, WO 2203	419-530-1983
Dr. Katherine Wall, HEB 284A	419-383-1943
Dr. Marcia McInerney, HEB 145F	419-383-1905
Dr. Isaac Schiefer, HEB 284C	419-383-1935
Dr. Youssef Sari, HEB 282G	419-383-1507

Term: Fall, Spring, and Summer 2014-15

Class Location: Instructor's lab

Class Day/Time: NA

Lab Location: Instructor's labs Wolfe Center, Health Science Campus or Wolfe Hall, Main Campus

Lab Day/Time: NA

Credit Hours: 1



COURSE/CATALOG DESCRIPTION

Experimental research problems in biomedical chemistry.

COURSE OVERVIEW

This is an individualized research course/ project planned by the faculty member in each of the sections. It requires the student to work with the instructor for 3h/week for each registered credit. It is designed to be an introductory research rotation prior to assignment of each new graduate student to a research mentor.

STUDENT LEARNING OUTCOMES

1. Interpret and critically evaluate the literature in the respective discipline and identify gaps in current knowledge.
2. Design, implement, and analyze the results of, an independent research project in the respective discipline.
3. Effectively communicate and defend research findings orally and in writing
4. Describe and comply with standards of ethical conduct of research
5. Effectively work in a team of colleagues within the discipline

PREREQUISITES AND COREQUISITES

MBC 6190/8190 for level graduate with a minimum grade of D- and MBC 6550/8550 for level graduate with a minimum grade of D-.

REQUIRED TEXTS AND ANCILLARY MATERIALS

Reviewing scientific literature based on the problem to be researched using Pubmed and other online search engines.

TECHNOLOGY REQUIREMENTS

None

UNIVERSITY POLICIES

The University is an equal opportunity educational institution. Please read [The University's Policy Statement on Nondiscrimination on the Basis of Disability Americans with Disability Act Compliance.](#))

Academic Accommodations

The University of Toledo is committed to providing equal access to education for all students. If you have a documented disability or you believe you have a disability and would like information regarding academic accommodations/adjustments in this course please contact the [Student Disability Services Office.](#))

ACADEMIC POLICIES

Follow general program policies.

COURSE EXPECTATIONS

See MBC Graduate Student Manual.



GRADING

No exams are required during the semester. A final grade is used, with a certain % assigned by individual faculty, taking into consideration the student's performance in the lab and the outcome/ results on the project. Letter grades (A-F) will be used, according to the following grading scale:

<u>Letter Grade</u>	<u>Numerical Average (%)</u>	<u>Quality Points</u>
A	90-100	4
A ⁻	88.5-89.9	3.67
B ⁺	86.5-88.4	3.33
B	80-86.4	3
B ⁻	78.5-79.9	2.67
C ⁺	76.5-78.4	2.33
C	70-76.4	2
C ⁻	68.5-69.9	1.67
D ⁺	66.5-68.4	1.33
D	60-66.4	1
D ⁻	58.5-59.9	0.67
F	<58.5	0

COURSE SCHEDULE

No fixed schedule. The day/time is planned and agreed upon by the student and the instructor.