

Curriculum Proposal Signature Sheet

Chemical Toxicology Prerequisite
TITLE OF PROPOSAL

Type of Proposal

Program

- New
- Changes within Major
- Changes within Cognate *
- Changes in Minor or Track
- Changes in Concentration*
- Program Deletion

Course

- New
- Changes in Course taken only by Majors
- Changes in Course required of Non-Majors*
- Changes in Course open to Non-Majors
- Deletion of Course taken only by Majors
- Deletion of Course required of Non-Majors*
- Deletion of Course open to Non-Majors

Chemistry
SPONSORING DEPARTMENT(S)

Review and Approval

approved at Chem dept meeting
DATE(S) 10-5-2010

Signature of Sponsoring Chair(s)/Date

David E. Hays

11-16-2010

* For starred items Chairs of affected Departments/Programs must sign below before Dean's review

Dean's Preliminary Review

- Proposal: Complete
 Satisfies U of S Curricular Requirements
 Consistent with College Goals/Mission

Additional preliminary comments below

Dean's Signature/Date

[Signature]

12-15-10

CAS

CPS

SOM

GRAD

DHC

Preliminary FSCC Disposition:

- Committee recommends approval (*new program proposals require a Recommendation from the full Senate*)
- Proposal will require minimal review: Anticipated FS Meeting Date: _____
- Proposal will require significant review: Anticipated FS Meeting Date: _____

FSCC Chair Signature/Date _____

Issues: _____

Additional Signatures

Department _____

Signature _____

Date _____

Department _____

Signature _____

Date _____

Department _____

Signature _____

Date _____

THE UNIVERSITY OF
SCRANTON
A JESUIT UNIVERSITY

DEPARTMENT OF CHEMISTRY

To: Dr. W. Jeff Welsh, Dean/CGCE

From: David E. Marx, Chair/Chemistry



Date: November 16, 2010

Subject: CHEM 555 and CHEM 554 Pre-requisite Introduction

I am submitting two course proposal changes for consideration. Both changes involve the introduction of CHEM 550 as a pre-requisite and CHEM 551 as a pre or co-requisite to the CHEM 554 (Biochemistry of Disease) and CHEM 555 (Chemical Toxicology) courses. Both courses are advanced graduate biochemistry courses and require a firm understanding of biochemistry at the graduate level in order to comprehend the material being presented.

Please let me know if I can provide additional information or answer any questions about these changes.

Course Revision
Course taken only by Majors

Home Dean: CAS CPS
 SOM GRAD DHC

Course Title: Chemical Toxicology

Course Number: CHEM 555 **Date:** May 14, 2010

**Nature
of
revision:**

To make as a prerequisite the first semester (CHEM 550) of our two-semester biochemistry course and as a prerequisite or corequisite the second semester (CHEM 551) of the biochemistry course.

**Rationale
for
revision:**

Toxicology, the science of poisons, is grounded in biochemistry. The interactions between toxic substances and living organisms involve the chemical transformations (metabolism) of the substance by the organism and the effects of the parent or transformed substance on the molecules and chemical processes of the cell. The lack of a biochemistry prerequisite for this course has presented obstacles both for the students entering the course without a sufficient understanding of biochemistry and for the instructor trying to walk the line between challenging the students having had biochemistry and not overwhelming the students who have not had biochemistry.

Will the revision have an impact on the core curriculum? Yes xNo

If Yes, indicate impact below:

Will the revisions have any impact on another department? Yes No
If yes, indicate the impact on and the response of the affected department:

Will the revisions require allocation/reallocation of University resources?
Yes No

If Yes, indicate resources needed for revision:

Signature of Sponsoring Chair: David G. Howe Date: 11-16-2008