

Curriculum Proposal Signature Sheet

Chemical Toxicology Pre req. and Number Change
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. Gray 11-16-10

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

Dean's Preliminary Review

Proposal: Complete

Additional preliminary comments below

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

Dean's Signature/Date [Signature] 11-19-10

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: _____

RECEIVED

NOV 16 2010

FSCC Chair Signature/Date _____

Issues: _____

Additional Signatures

Department	Signature	Date

UNIVERSITY of SCRANTON
CAS ASSOCIATE DEAN

Course Revision
Course taken only by Majors

Home Dean: CAS CPS
 SOM GRAD DHC

Course Title: Chemical Toxicology

Course Number: CHEM 352 **Date:** May 14, 2010

**Nature
of
revision:**

1. To make as a prerequisite the first semester of one of our two-semester biochemistry courses (CHEM 350 or CHEM 450) and as a prerequisite or corequisite a second semester of the biochemistry courses (CHEM 351 or CHEM 451). This change will permit the consideration of toxicology from a more advanced biochemical perspective.
2. To change the number of the course from CHEM 352 to CHEM 455 to more accurately reflect the advanced nature of the revised 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 No
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 E. Hays Date: 11-16-2014