Program Modification Form (4/15)

Please attach/submit additional documents as needed to fully complete each section of the form.

I. Department / Program

Department of Chemistry and Biochemistry / Forensic Chemistry Option

II. Summary

The Department of Chemistry & Biochemistry would like to change the required Physical Chemistry course from CHMY 360 to CHMY 373.

III. Endorsements and Approvals

Requestor: Andrew Ranck
Phone / Email: 4022 andrew.ranck@msou.mtu.edu
Program Chair: Chris Palmer
*Other Affected Programs:

Signature: [Signature]
Date: [Date]

Dean: Chris Comer

* Are affected because: (a) required courses incl. prerequisites or corequisites, (b) perceived overlap in content areas, or (c) cross-listing of coursework

IV. Type of Program Modification

☑ Major ☐ Minor ☐ Option ☐ Teaching major / minor

☐ Other, Please describe:
V. CATALOG LANGUAGE

Attach the current catalog language with the proposed changes clearly identified.

VI. JUSTIFICATION

CHMY 360 to CHMY 373 Change Justification:
The program modification will change the requirement for physical chemistry from CHMY 360 Applied Physical Chemistry or CHMY 373 Phys Chem-Kntcs & Thrmodynamcs to exclusively CHMY 373. CHMY 373 is a more rigorous course that requires knowledge and use of calculus, and it is the more appropriate course for all chemistry majors to complete. CHMY 373 is equivalent to the physical chemistry course taught at all institutions that offer a BS in chemistry, while CHMY 360 is a less rigorous course offered at some institutions often for non-chemistry majors.

A course in physical chemistry is important to maintain as the American Chemical Society (ACS) has determined and mandates that physical chemistry is one of the required subfields of chemistry that must be satisfactorily completed for a BS degree in chemistry. To ensure the University of Montana continues to follow the ACS guidelines, the Department of Chemistry & Biochemistry will maintain the CHMY 373 course.

There are currently no majors outside of Chemistry that require CHMY 360. Interest and demand for the course from outside of chemistry programs has been low in recent years. Thus, the Department of Chemistry & Biochemistry will no longer offer CHMY 360 after Spring 2018 and will offer only CHMY 373.

VII. SUBMISSION

After all signatures have been obtained, submit original, and an electronic file to the Faculty Senate Office, UH 221. An electronic copy of the original signed form is acceptable.