

(Content Changes)

S. 360:

FACULTY OF SCIENCE

NEW COURSE PROPOSAL

I CALENDAR INFORMATION

Department: Chemistry

Course Number: 361-Title:

Sub-title or Description: Physical Chemistry II - Elements of Physical Chemistry from the microscopic point of view. Fundamentals of quantum chemistry. Molecular energy levels and molecular spectroscopy. Photochemistry and energy transfer.

Credit Hours: 3

Vector Description: (3-1-0)

Pre-requisite(s): Chemistry 261. Chemistry 366 will ordinarily be taken concurrently. It is recommended that Mathematics 352-2 precede or be taken concurrently.

II ENROLMENT AND SCHEDULING

Estimated Enrolment:

Semester Offered (e.g. Yearly, every Spring; twice yearly, Fall and Spring):

As at present. Twice yearly - Fall and Spring.

When course will first be offered: Fall '70

III JUSTIFICATION

A. What is the detailed description of the course including differentiation from lower level courses, from similar courses in the same department and from courses in other departments in the University?

Change in content represents a minor unifying rearrangement of material between present 361 and 362, and allows prerequisites for Chem 462 and 471 to be lowered.

B. What is the range of topics that may be dealt with in the course?

See calendar description above.

C. How does this course fit the goals of the department?

2nd course in 3-semester Physical Chemistry core sequence.

D. How does this course affect degree requirements?

No change.

E. What are the calendar changes necessary to reflect the addition of this course?

Revised calendar entry given above under I.

F. What course, if any, is being dropped from the calendar if this course is approved?

Content modification only.

G. What is the nature of student demand for this course?

As at present.

H. Other reasons for introducing the course.

IV

BUDGETARY AND SPACE FACTORS

A. Which faculty will be available to teach this course?

Physical Chemistry Faculty

B. What are the special space and/or equipment requirements for this course?

None

C. Any other budgetary implications of mounting this course:

No

APPROVAL - Faculty Undergraduate Curriculum Committee:

MARCH 31, 1970

Faculty:

APRIL 20, 1970

Senate: