

New Course Proposal

Submit completed form electronically

1. **Course prefix and course number:** CH 190
2. **Course title:** Survey of Chemistry Problem Solving I
3. **Abbreviated title for class schedule** (30 characters or less): Survey of Chem Problem Solving I
4. **Credit hours:** 1
(note: if credits are variable, list range of credits (e.g. 1-8 credits))
5. **Catalog description:** Designed to help students in CH 104 to develop chemistry-related problem-solving skills.
6. **Prerequisites (to add each additional prerequisite, start a new line):**
(See attached Note for samples)
 - A. (course prefix, (space) and number)
 - B. (course prefix, (space) and number) or or or or
 - C. (course prefix, (space) and number) or or or or
7. **Co-requisites (including labs, if any):**
 - A. (course prefix, (space) and number) CH 104
 - B. (course prefix, (space) and number) CH 104L
8. **Major/Class restrictions:** Please indicate any class or major restrictions: None
9. **Is course repeatable?** No
10. **Labs requirements:** If course includes a lab: # of hours lecture: ; # of hours lab:
11. **Fees:** List any course fees:
12. **Grade Mode:** Pass/No Pass only: X
13. **CIP Code:** Six-digit CIP code (check with your Division Director): 400501
14. **Special qualifications; Is course proposed for (yes/no):**
 - A. University Studies? No If yes, list Strand(s)
 - B. Honors? No

15. **Cross-listing:** List any cross-listing (and please complete the Cross-list proposal form at <https://inside.sou.edu/provost/curriculum.html>): and and and

16. Strategic justification for proposed course:

A. **Rationale:** What is the overall strategic rationale for offering this course? To offer a yearlong science sequence to non-science majors and draw back the pre-nursing students who are taking this course at RCC and other institutions.

B. **Alignment:**

1. How does this course align with the unit's mission plan? To increase science awareness and problem-solving skills and experimental experiences. This course had been offered for many years (most recently in the mid-2000s) and we would like to reinstate it.

2. How does the course fit into the rest of the unit's curriculum? This allows the department to participate in SOU's general education offerings.

C. **Enrollment:** What is the new course's estimated enrollment each time it is offered over a three-year period? Year 1:24; Year 2:48; Year 3:48

D. **Resource evaluation:** What resources – faculty, equipment, lab space, etc. -- will be needed to offer this course and how will those resources be obtained?

1. *Faculty:*

- a. Who will teach the course? Current or TxT faculty
- b. Evaluate unit's faculty availability and/or needs and the impact on other teaching obligations. Will balance with other general education offerings based on needs.
- c. If additional faculty members are needed, how will that need be met?
N/A

2. *Facilities:* Cite any additional need for classrooms, equipment or lab space; explain how that need(s) will be met. Will use existing classrooms in Science.

3. *Other:*

- a. Are Hannon Library resources sufficient to meet the needs of this course?
Yes
- b. Are any other resources needed to support this course? No
If so, please explain how they will be obtained.

E. **External impact:**

1. What is the expected effect of this course on existing programs elsewhere in the university? This need is not currently being met at SOU.

NOTE: Please document your contact with other academic programs which may be affected by this new course and the response you received. Contact Andrew Clum for information regarding the need to provide a chemistry course for nursing and allied health pre-professionals.

2. Will any of your prerequisites affect other academic programs? No


NOTE: Please document your contact with other academic programs which may be affected by this new course and the response you received.

17. Syllabus (condensed)

*(Attach an accompanying, condensed syllabus, which should include the following items. Schedules and similar details are **not** required.)*

- A. Course description (same as Catalog description, above)
- B. Learning objectives of the course
- C. Required texts
- D. Course format
- E. Other – any other relevant materials needed to explain the goals and teaching methods of this course.

Approvals:

 _____ Signature of Division Director	<u>4-1-19</u> _____ Date
<i>(See note on CH 104/105/106 Proposal)</i>	

4/29/16