Proposal Form For Addition And Revision Of Courses

1. Proposing College / School: College of Sciences and Mathematics
   Department: Geology and Geography

2. Course Prefix and Number: SCMH 1010

3. Effective Term: Fall 2010

4. Course Title: Concepts of Science
   Abbreviated Title (30 characters or less): Concepts of Science

5. Requested Action:
   - [ ] Renumber a Course
   - [ ] Add a Course
   - [ ] Revise a Course

6. Course Credit:
<table>
<thead>
<tr>
<th>Contact/Group Hours</th>
<th>Scheduled Type</th>
<th>Weekly or Per Term?</th>
<th>Credit Hours</th>
<th>Anticipated Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Lecture</td>
<td>weekly</td>
<td>3</td>
<td>450</td>
</tr>
<tr>
<td>2</td>
<td>Laboratory</td>
<td>weekly</td>
<td>1</td>
<td>450</td>
</tr>
</tbody>
</table>
   Total Credit Hours: 4

7. Grading Type:
   - [ ] Regular (ABCDF)
   - [ ] Satisfactory/Unsatisfactory (S/U)
   - [ ] Audit

8. Prerequisites/Corequisites:
   None

9. Restrictions: List specific restriction in space above.
   - [ ] College
   - [ ] Major
   - [ ] Standing
   - [ ] Degree

10. Course Description:
    (20 Words or Less; exactly as it should appear in the Bulletin)
    See attachment.

11. May Count Either
    SCMH 1010 or SCMH 1017
    (Indicate if this particular course cannot be counted for credit in addition to another)
    Program Type: (e.g.: minor, major, etc.)
    Program Title: (e.g.: MS in Chemistry, Performance Option, Minor in Art)
    Requirement or Elective?: (required or optional?)

12. Affected Program(s):
    (Respond "N/A" if not included in any program; attach memorandum if more space is required)
    various

13. Overlapping or Duplication of Other Units' Offerings:
    (If course is included in any other degree program, is used as an elective frequently by other unit(s), or is in an area similar to that covered by another college/school, attach correspondence with relevant unit)
   [ ] Applicable
   [ ] Not Applicable
14. Justification:

This revision makes clear the sequential articulation between Concepts of Science (SCMH 1010) and other core science courses in COSAM. Specifically, if a student takes Concepts of Science that should precede the student’s taking either BIOL 1010, CHEM 1010, GEOL 1100, PHYS 1000, or PHYS 1050 for completion of the AU core science requirement.

In addition, this revision affirms that Concepts of Science (SCMH 1010) shall have laboratories rather than recitations. The current Bulletin says "LAB" for one hour instead of saying recitation (p. 259). The word "LAB" is retained in the new Bulletin description, but the hours are increased to 2 to fulfill the laboratory hour requirement.

(Include a concise, yet adequate rationale for the addition/revision of the course, citing accreditation, assessments (faculty, graduate, and/or external) where applicable)

15. Resources:

(Indicate whether existing resources such as library materials, classroom/laboratory space, and faculty appointments are adequate to support the proposed addition/revision; if additional resources are required, indicate how such needs will be met, referencing the appropriate level of authorization -- i.e.: Dean -- where necessary; if no additional resources or shifting of resources will be necessary, respond “Not Applicable”)

16. Student Learning Outcomes:

(State in measurable terms (reflective of course level) what students should be able to do when they have completed this course)

17. Course Content Outline:

(Provide a comprehensive, week-by-week breakdown of course content, including assignment due dates)

18. Assignments / Projects:

(List all quizzes, projects, reports, activities and other components of the course grade -- including a brief description of each assignment that clarifies its contribution to the course’s learning objectives)

19. Rubric and Grading Scale:

(List all components of the course grade -- including attendance and/or participation if relevant -- with point totals for each; indicate point totals and ranges or percentages for grading scale; for S/U grading, detail performance expectations for a passing grade)

20. Justification for Graduate Credit:

(Include a brief statement explaining how the course meets graduate educational standards (i.e.: rigorous standards for evaluation, development of critical thinking and analytical skills, etc.))

(Included below are standard statements regarding course policies. If necessary, a statement may be altered to reflect the academic policies of individual faculty members and/or the academic unit or department, provided that there is no conflict with the Tiger Cub, Faculty Handbook, or any existing university policy.)

POLICY STATEMENTS

Attendance: Although attendance is not required, students are expected to attend all classes, and will be held responsible for any content covered in the event of an absence.

Excused Absences: Students are granted excused absences from class for the following reasons: illness of the student or serious illness of a member of the student's immediate family, the death of a member of the student's immediate family, trips for student organizations sponsored by an academic unit, trips for university classes, trips for participation in intercollegiate athletic events, subpoena for a court appearance, and religious holidays. Students who wish to have an excused absence from class for any other reason must contact the instructor in advance of the absence to request permission. The instructor will weigh the merits of the request, and render a decision. When feasible, the student must notify the instructor prior to the occurrence of any excused absences, but in no case shall such notification occur more than one week after the absence. Appropriate documentation for all excused absences is required. Please see the Tiger Cub for more information on excused absences.

Make-Up Policy: Arrangement to make up a missed major examination (e.g., hour exams, mid-term exams) due to properly authorized excused absences must be initiated by the student within one week of the end of the period of the excused absence(s). Except in unusual circumstances, such as the continued absence of the student or the advent of university holidays, a make-up exam will take place within two weeks of the date that the student initiates arrangements for it. Except in extraordinary circumstances, no make-up exams will be arranged during the last three days before the final exam period begins.

Academic Honesty Policy: All portions of the Auburn University Student Academic Honesty Code (Title XII) found in the Tiger Cub will apply to university courses. All academic dishonesty violations or alleged violations of the SGA Code of Laws will be reported to the Office of the Provost, which will then refer the case to the Academic Honesty Committee.
Disability Accommodations: Students who need special accommodations in class, as provided for by the Americans With Disabilities Act, should arrange for a confidential meeting with the instructor during office hours in the first week of classes (or as soon as possible if accommodations are needed immediately). The student must bring a copy of their Accommodation Letter and an Instructor Verification Form to the meeting. If the student does not have these forms, they should make an appointment with the Program for Students with Disabilities, 1298 Haley Center, 844-2006 (V/TT).
NEW COURSE DESCRIPTION for 2010-11 AU BULLETIN

SCMH 1010 CONCEPTS OF SCIENCE (4) LEC. 3, LAB. 2 Science Core.
Interdisciplinary course which presents major scientific concepts in all the main fields of science. If a student takes SCMH 1010, that should precede taking either BIOL 1010, CHEM 1010, GEOL 1100, PHYS 1000, or PHYS 1050 for sequential completion of the AU core science requirement.

FORMER COURSE DESCRIPTION in the 2009-10 AU BULLETIN

SCMH 1010 CONCEPTS OF SCIENCE (4) LEC. 3, LAB. 1 Science Core.
Interdisciplinary course which presents major scientific concepts and stresses the interactions between the sciences and the humanities. Credit will not be given for both SCMH 1010 and either BIOL 1000 or BIOL 1020.
# Proposal Form For Addition And Revision Of Courses

1. **Proposing College / School:** College of Sciences and Mathematics  
   **Department:** Geology and Geography

2. **Course Prefix and Number:** SCMH 1017  
   **Effective Term:** Fall 2010

3. **Course Title:** Honors Concepts of Science  
   **Abbreviated Title:** Honors Concepts of Science

4. **Requested Action:**  
   - [ ] Renumber a Course  
   - [ ] Add a Course  
   - [ ] Revise a Course

5. **Course Credit:**  
<table>
<thead>
<tr>
<th>Contact/Group Hours</th>
<th>Scheduled Type</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Maximum Hours</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Lecture</td>
<td>weekly</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Laboratory</td>
<td>weekly</td>
<td>1</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
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</table>

6. **Grading Type:**  
   - [ ] Regular (ABCDF)  
   - [ ] Satisfactory/Unsatisfactory (S/U)  
   - [ ] Audit

7. **Prerequisites/Corequisites:**  
   None

8. **Restrictions:**  
   List specific restriction in space above.
   - [ ] College  
   - [ ] Major  
   - [ ] Standing  
   - [ ] Degree

9. **Course Description:**  
   See attachment.

10. **May Count Either:**  
    SCMH 1017  
    or  
    SCMH 1010

11. **Affected Program(s):**  
    Various

12. **Overlapping or Duplication of Other Units' Offerings:**  
    Applicable  
    or  
    Not Applicable

13. **Indicate if this particular course cannot be counted for credit in addition to another:**

   (e.g.: minor, major, etc.)  
   (e.g.: MS in Chemistry, Performance Option, Minor in Art)  
   (required or optional?)

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**Date:** 05/13/2010  
(MM/DD/YYYY)
14. **Justification:**

This revision makes clear the sequential articulation between Concepts of Science (SCHM 1017) and other core science courses in COSAM. Specifically, if a student takes Concepts of Science that should precede the student's taking either BIOL 1010, CHEM 1010, GEOL 1100, PHYS 1000, or PHYS 1050 for completion of the AU core science requirement.

In addition, this revision affirms that Concepts of Science (SCHM 1017) shall have laboratories rather than recitations. The current Bulletin says "LAB" for one hour instead of saying recitation (p. 259). The word "LAB" is retained in the new Bulletin description, but the hours are increased to 2 to fulfill the laboratory hour requirement. The first hour of lab each week may be an on-line virtual experience (see cover memo for additional information).

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MEMO
May 13, 2010

To:  Mr. Kevin Snyder
Undergraduate Studies
129 Quad Center

From:  David T. King, Jr.
Professor of Geology / Director for Concepts of Science
210 Petrie Hall

RE:  Bulletin Revision for SCMH 1010 (Concepts of Science) and SCMH 1017 (Honors Concepts of Science)

I am attaching “short form” versions of the Course Revision Forms to effect changes to the Bulletin entries for both SCMH 1010 (Concepts of Science) and SCMH 1017 (Honors Concepts of Science). Separate forms are attached for each course. This change should be made effective for fall term 2010.

As explained in the attached documents, there is a course description change and a change in the number of laboratory hours in each instance. The course description change reflects both the current emphasis of the course strictly on science content and the new position of the course in the AU core science sequence. Regarding the latter, the Bulletin entry clearly states that Concepts of Science should be taken first in the core science sequence if a student ever wants to take Concepts. The laboratory hour change makes this course conform to the norm for other AU science courses (two lab contact hours per week).

Even though the word “LAB” has been used in the previous Bulletin descriptions of this course for many years, the course’s “LAB” was a recitation session up to this time. Starting with fall term 2010, however, the recitation will no longer be part of the course. Instead a true laboratory will replace recitation. Thus, a change in hours per week was required.

The first hour of the new laboratory class will be given in a virtual format until such time as the circumstances and resources permit change to a two-hour laboratory session with a GTA. Beginning in fall term 2010, the students will experience a first-hour virtual lab and then the GTA will conduct the second hour of lab in a classroom setting. This plan has been approved by COSAM and the Core Curriculum Oversight Committee.