FACULTY CURRICULUM COMMITTEE
SIGNATURE PAGE

- In section A, list ALL of the forms covered by this signature page. If you submit a form that is not listed in A, your proposal will be held back until we receive a new, updated signature page.
- You must obtain the signature of your department chair and dean before submitting your proposal.

A. FORMS COVERED BY THIS SIGNATURE PAGE. List each form you are submitting—for instance, PSYC 383, Course Form; PSYC, Change of Major Form; PSYC, Change of Minor Form.

GEOL 291 Course Form
GEOL 493 Change of Major Form
GEOL 291 Change of Major Form

B. APPROVAL AND SIGNATURES.

1. Signature of Department Chair or Program Director:

   ____________________________ Date: 11/17/15

2. Signature of Academic Dean:

   ____________________________ Date: 11/23/15

3. Signature of Provost:

   ____________________________ Date: 1/8/16

4. Signature of Business Affairs (only for course fees):

   ____________________________ Date: ________________ □ fee approved on ________ □ BOT approval pending

5. Signature of Curriculum Committee Chair:

   ____________________________ Date: 3-1-16

6. Signature of Budget Committee Chair (only for new programs):

   ____________________________ Date: ________________

7. Signature of Academic Planning Committee Chair (only for new programs):

   ____________________________ Date: ________________

8. Signature of Faculty Senate Secretary:

   ____________________________ Date: ________________

Date Approved by Faculty Senate: ________________
FACULTY CURRICULUM COMMITTEE
COURSE FORM

Instructions:
- Please fill out one of these forms for each course you are adding, changing, deactivating, or reactivating.
- Fill out the parts of the form specified in part B. You must do this before your request can move forward!
- Remember that your changes will not be implemented until the next catalog year at the earliest.
- If you have questions, start by checking the instructions on the website. Please feel free to contact the committee chairs with any remaining questions you might have.

A. CONTACT/COURSE INFORMATION.

Name: Mitchell Colgan       Phone: 953-7171       Email: colganm@cofc.edu

School: Sciences & Mathematics       Department or Program: Geology & Environmental Geosciences

Subject Acronym and Course Number: GEOL 291/291L

Catalog Year in which changes will take effect: FALL 2016

B. TYPE OF REQUEST. Please check all that apply, then fill out the specified parts of the form.

☐ Add a New Course (complete parts C, D, F, G, H, I, J)
☒ Change Part of an Existing Course (complete parts C, D, E, F, G, I, J)
  ☐ Course Number (you must submit a course deactivation request for the old course number)
  ☐ Course Name
  ☐ Course Description
  ☐ Credit/Contact Hours
☒ Restrictions (prerequisites, co-requisites, junior/senior standing, etc.)
☐ Deactivate an Existing Course (complete parts C, D, E, G, I, J)
☐ Reactivate a Previously-Deactivated Course (complete parts C, D, E, G, I, J)

C. RATIONALE AND EXPLANATION. Please describe your request and explain why you are making it.

We'd like to make the prerequisite of CHEM 111/111L and MATH 111 a pre OR co-requisite. After teaching this course for one semester and developing all of the labs, we found that students taking CHEM 111/111L and MATH 111 concurrently can be equally successful. We need to add the language of MATH 111 or higher since those students who test out of MATH 111 and go straight to MATH 120 couldn't enroll without an override this semester. We need to add HONS 190 as a pre or co-requisite in response to their curriculum change.

D. IMPACT ON EXISTING PROGRAMS AND COURSES. Please briefly describe the impact of your request on your own programs and courses as well other programs and courses. If another program requires the course, you must submit their written acknowledgement with this proposal. Also, the affected program must describe any change in the number of credit hours they require. Include a list of similar courses in other departments and explain any overlap.

There will be no impact on our program or courses or any program or course at the College.

This form was last updated on 12/13/13 and replaces all others.
EXISTING COURSE INFORMATION. If you are proposing a new course, just leave this blank. Otherwise, please fill out all fields.
Department: Geology School: SSM Subject Acronym: GEOL Course Number: 291

Credit hours: 3 lecture 1 lab __ seminar __ independent study
Contact hours: 3 lecture 3 lab __ seminar __ independent study

Course title: Water Resources

Course description (maximum 50 words, exactly as it appears in the catalog):

Water resources topics including hydrology, ground water, water quality, and aquatic remote sensing fundamentals are covered in this course. Focus will be on developing requisite theoretical and practical skills to understand challenges faced in the field of water resources today. Lecture three hours per week; laboratory three hours per week.

Restrictions (pre-requisites, co-requisites, majors only, etc.): GEOL 103/103L or HONS 155/155L and GEOL 105/105L or HONS 156/156L, CHEM 111/111L, MATH 111; or permission of the instructor

Cross-listing, if any:

Is this course repeatable? ☑ yes ☐ no If yes, how many total credit hours may the student earn? ____

E. NEW COURSE INFORMATION. If you are deactivating a course, leave this blank. Otherwise, please fill out all fields. For changed courses, use boldface for the information that is changing.

Department: Geology School: SSM Subject Acronym: GEOL Course Number: 291

Credit hours: 3 lecture 1 lab __ seminar __ independent study
Contact hours: 3 lecture 3 lab __ seminar __ independent study

Course title: Water Resources

Course description (maximum 50 words, exactly as it appears in the catalog):

Water resources topics including hydrology, ground water, water quality, and aquatic remote sensing fundamentals are covered in this course. Focus will be on developing requisite theoretical and practical skills to understand challenges faced in the field of water resources today. Lecture three hours per week; laboratory three hours per week.

Restrictions (pre-requisites, co-requisites, majors only, etc.): GEOL 103/103L or HONS 155/155L and GEOL 105/105L or HONS 156/156L, pre-requisite OR co-requisite, CHEM 111/111L, HONS 190, MATH 111 or higher; or permission of the instructor

If this is a newly-created course, is it intended to be the equivalent of an existing course? ☑ yes ☐ no
If so, which course? ______________

If equivalent, will the newly-created course replace the existing course? ☑ yes ☐ no
Note: If yes, you must deactivate that course by submitting an additional Course Form.

Cross-listing, if any (submit approval from relevant department): ______________
Note: Cross-listed courses are equivalent.

This form was last updated on 12/13/13 and replaces all others.
Is this course repeatable? □ yes ☒ no If yes, how many total credit hours may the student earn? ____

Is there an activity, lab, or other fee associated with this course? □ yes □ no What is the fee? $______

Note: The Senate cannot approve new fees; Business Affairs will submit any such request to the Board of Trustees. The course can still be created, but the fee will not be attached until the Board has approved it.

F. COSTS. List all of the new costs or cost savings (including new faculty/staff requests, library, equipment, etc.) associated with your request.

No new costs or cost savings. Just a change in restrictions.

H. STUDENT LEARNING OUTCOMES AND ASSESSMENT.

<table>
<thead>
<tr>
<th>Student Learning Outcomes</th>
<th>Assessment Method and Performance Expected</th>
</tr>
</thead>
<tbody>
<tr>
<td>What will students know and be able to do when they complete the course?</td>
<td>How will each outcome be measured? Who will be assessed, when, and how often? How well should students be able to do on the assessment?</td>
</tr>
<tr>
<td>1.</td>
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<td>2.</td>
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<td>3.</td>
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<td>4.</td>
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</table>

How does this course align with the student learning outcomes articulated for the major, program, or general education? What program-level outcome or outcomes does it support? Is the content or skill introduced, reinforced, or demonstrated in this course?

I. PROGRAM CHANGES. Will this course be added to the existing degree requirements or list of approved electives of a major, minor, or concentration? □ yes ☒ no

If yes, please attach a Change Minor and/or Change Major/Program Form as appropriate.
J. CHECKLIST.

☐ I have completed all relevant parts of the form.

☐ I have attached a cover letter that describes my request and lists all the documents I am submitting.

☐ (For new courses only) I have attached a syllabus.

☐ (For courses used in any way by other departments, including cross-listing) I have attached an acknowledgement from the relevant department.

☐ (For courses intended to fulfill a Gen Ed requirement) I have submitted the proposal to the Gen Ed committee.

☐ I have submitted one Signature Form that lists all of the different forms I am submitting.