Science Division Meeting Discussion of Geology Curriculum Changes
February 15, 2011 BSC 338
11:00 p.m. – 12:00 p.m.


Geology Curriculum Changes

A summary of the curriculum changes was presented:

- Adding a Field Camp course. This course is already “on the books” but Geology needs to keep track of it.
- Geology majors would be required to take a Physics course.
- Geology majors would be required to take Math 140, or Math 170 & 175, or Math 190.
- Earth Science majors would be required to take three more Geology courses.
- Earth Science majors would be required to take Math 140, or Math 170 & 175, or Math 190.
- Earth Science majors would be required to take a Physics course.
- Earth Science majors would require some research (senior research not required).
- Geology 192 would be deleted from the offerings.
- Geology 200 and Geology 220 would go from 4 credits to 3 credits.

Faculty asked what impact this would have on other departments.

Suggestions:

- Faculty suggested that the revisions should be made to make it clear that the 34-36 hours is only for the Earth Science major.
- Obtain a statement from the Education Department indicating that the new courses do not make it difficult to finish in four years.
- Obtain a statement from the Math Department indicating that there would be no problem accommodating students.

The proposed changes were put to a vote:

In favor: 23  Opposed: 0  Abstentions: 0
Hi Stephen,

As noted in the division meeting today, the conceptual physics course has a prefix of PHEN not PHYS.

The following statement may assist you with submitting your proposal to the Curriculum Committee.

I taught PHEN 101 over the past two years and I will continue to do so in the future. It is offered every fall. For the past two years, there have been eight open seats each time. Given this and the fact that Geology students have enrolled in this course already, I believe that there is enough space in the course to accommodate additional Geology students.

Dr. Richard Taylor
Chair
Associate Professor of Physics
Department of Physics & Engineering
123 Boyd Science Center
Muskingum University
163 Stormont Street
New Concord, OH 43762
(740) 826 - 8274
FAX (740) 826 - 8229
http://www.muskingum.edu/~richardt
http://www.muskingum.edu/~physcse
To: Stephen Van Horn, Geology Chair
From: David Craft, Math and Computer Science Chair
Date: 15 February 2011

I am writing in support of your department's initiative to revamp the Geology and Earth Science majors. I believe your students will benefit from the proposed change in mathematics requirement. I anticipate no adverse effects for my department as a result of your proposal.
Dear Stephen,

Please accept this email as formal acknowledgement of my support and that of the Education Department for the proposed changes in the earth science education major. Dr. Rogness collaborated extensively with Science Division colleagues to streamline the major and articulate it more closely with other majors in the division. I have contacted the Ohio Board of Regents and they do not require their approval for these changes, so the new program is considered fully in line with state expectations and guidelines. As Chair of Education I am fully satisfied that this proposal is in the best interests of our Department and our students.

Please let me know if you have any questions or concerns.

Best wishes,

Bob

Robert L. Osgood, Ph.D.
Associate Dean of Academic Affairs for Teacher Education
Professor of Education
Muskingum University
163 Stormont Street
New Concord, OH 43762
740-826-8031
rosgood@muskingum.edu
Curriculum Change Proposal Form

1) Unit proposing the change:  **Geology**

2) Please check all appropriate items:

<table>
<thead>
<tr>
<th>New Course:</th>
<th>Course Change:</th>
<th>Course Deletion:</th>
<th>Program Changes:</th>
<th>New Programs:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>X Remove a Course</td>
<td>Change to Major</td>
<td></td>
</tr>
<tr>
<td>□ New Course Creation&lt;sup&gt;2&lt;/sup&gt; (include title, credits, description, etc.)</td>
<td>□ Number (within level), title, description, pre-req change&lt;sup&gt;1&lt;/sup&gt;</td>
<td></td>
<td>New Degree&lt;sup&gt;4&lt;/sup&gt;</td>
<td></td>
</tr>
<tr>
<td>□ Course to be Cross Listed&lt;sup&gt;3&lt;/sup&gt;</td>
<td>□ Add to LAB&lt;sup&gt;3,4&lt;/sup&gt;</td>
<td>□ Remove a course that is currently in the LAB&lt;sup&gt;3&lt;/sup&gt;</td>
<td>Change to Minor&lt;sup&gt;1&lt;/sup&gt;</td>
<td>New Program in principle&lt;sup&gt;4&lt;/sup&gt;</td>
</tr>
<tr>
<td>□ Course to be included in LAB&lt;sup&gt;3,4&lt;/sup&gt;</td>
<td>□ Remove from LAB&lt;sup&gt;3&lt;/sup&gt;</td>
<td>□ Change to LAB (change to the LAB itself)&lt;sup&gt;4&lt;/sup&gt;</td>
<td>New Program with curriculum&lt;sup&gt;4&lt;/sup&gt;</td>
<td></td>
</tr>
<tr>
<td>□ Courses Included in Major/Minor Requirements&lt;sup&gt;1&lt;/sup&gt;</td>
<td>□ Change in Cross-List Status&lt;sup&gt;4&lt;/sup&gt;</td>
<td>□ Add a Minor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ Special Course or non-credit workshop&lt;sup&gt;5&lt;/sup&gt;</td>
<td></td>
<td>□ Delete a Major or Minor&lt;sup&gt;4&lt;/sup&gt;</td>
<td>□ Change to Degree Requirements&lt;sup&gt;4&lt;/sup&gt;</td>
<td></td>
</tr>
</tbody>
</table>

<sup>1</sup> Curriculum Committee receive & report to faculty  
<sup>2</sup> 30 day faculty review required  
<sup>3</sup> LAB assessment plan with assessment committee review required prior to CC consideration  
<sup>4</sup> Full faculty approval required  
<sup>5</sup> Curriculum Committee for action, approval published to faculty

3. Proposed term of initial offering or implementation date:  **Fall 2011**

4. Please provide the following information here or attached:
   a. recommended level: FR SO JR SR
   b. credit hours: __________
   c. title:  **Geol 102 Selected Topics in the Geosciences**
   d. requirements it will satisfy: (major, minor, LAE, licensure): ______________
   e. prerequisites or other special conditions: ______________
   f. description of change:
      Remove Geol 102 from the course offerings of the department
   g. proposed catalog description:
   h. justification for change:
      This course has not been offered in at least the last 11 years.
   i. staffing considerations:
      (1) can be taught by present staff ___
      (2) will require additional staff ___
   j. anticipated frequency of offering:
      (1) every semester ___
      (2) once a year ___
      (3) alternate years ___
k. resources (facilities, equipment, supplies, library materials, etc.):

5. Signatures:
Department Chair: ________________________________
(please attach department discussion summary)
Date: __/__/____
Department Vote:
in favor ___ opposed ___ abstentions ___

The Geology Department has not offered this course for at least 10 years or more and it is not a required
course in any major or program.

Senior Associate Dean, Muskingum Adult Program (MAP): (if applicable) ________________________________
in favor or opposed or abstain (circle one)
(please attach comments)
Date: __/__/____

Teacher Preparation Programs [Initial Licensure]: (if applicable) ________________________________
in favor or opposed or abstain (circle one)
(please attach comments)
Date: __/__/____

Division Coordinator: ________________________________
(please attach department and division discussion summaries)
Date: __/__/2011
Division Vote:
in favor ___ opposed ___ abstentions ___

Committee Chair (VPAA): ________________________________
Date: __/__/____
Curriculum Committee vote:
in favor ___ opposed ___ abstentions ___

6. Date of Resolution:
(a) 30-day approval period ends _________________________
(b) date of faculty meeting for consideration _________________________

NOTE: See APAP section 110 for more information regarding changes to curriculum.
Curriculum Change Proposal Form

1) Unit proposing the change: __Geology__

2) Please check all appropriate items:

<table>
<thead>
<tr>
<th>New Course: (include title, credits, description, etc.)</th>
<th>Course Change:</th>
<th>Course Deletion:</th>
<th>Program Changes:</th>
<th>New Programs:</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ New Course Creation (within level), title, description, pre-req change</td>
<td>☒ X Number</td>
<td>☐ Remove a Course</td>
<td>☐ Change to Major</td>
<td>☐ New Degree</td>
</tr>
<tr>
<td>☐ Course to be Cross Listed</td>
<td>☐ Add to LAB</td>
<td>☐ Remove a course that is currently in the LAB</td>
<td>☐ Change to Minor</td>
<td>☐ New Program in principle</td>
</tr>
<tr>
<td>☐ Course to be included in LAB</td>
<td>☐ Remove from LAB</td>
<td>☐ Change to LAB (change to the LAB itself)</td>
<td>☐ New Program with curriculum</td>
<td></td>
</tr>
<tr>
<td>☐ Course Included in Major/Minor Requirements</td>
<td>☐ Change in Cross-List Status</td>
<td>☐ Add a Minor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐ Special Course or non-credit workshop</td>
<td>☐ Delete a Major or Minor</td>
<td>☐ Change to Degree Requirements</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Curriculum Committee receive & report to faculty
2. 30 day faculty review required
3. LAB assessment plan with assessment committee review required prior to CC consideration
4. Full faculty approval required
5. Curriculum Committee for action, approval published to faculty

3. Proposed term of initial offering or implementation date: ____ Fall 2011 ____________

4. Please provide the following information here or attached:
   a. recommended level: FR SO JR SR
   b. credit hours: _____ 4 ______
   c. title: __Geol 200 Oceanography__
   d. requirements it will satisfy: (major, minor, LAE, licensure): __Major, Minor, Licensure__
   e. prerequisites or other special conditions: ________________________________
   f. description of change:
      Change the number of credits from 4 to 3.
   g. proposed catalog description:
   h. justification for change:
      Most of our upper-level courses follow a 3 credit model (with 2 lectures and a lab. per week). This course will consist of lecture only. This change will standardize our upper-level classes.
   i. staffing considerations:
      (1) can be taught by present staff ____
      (2) will require additional staff ____
   j. anticipated frequency of offering:
      (1) every semester ___
      (2) once a year ___
      (3) alternate years ___
k. resources (facilities, equipment, supplies, library materials, etc.):

5. Signatures:
Department Chair: [Signature]
(please attach department discussion summary)
Date: 2/8/11
Department Vote:
in favor 3  opposed 0  abstentions

The Geology Department has been discussing and modifying these proposals for several semesters. We discussed the changes to the Earth Science major with input from Linda Rognes. The changes in the Earth Science Major reflect the desire of the department to increase the amount of supporting sciences and math in the program and to fulfill the licensure requirements. The changes to the Geology Major originally had fewer courses in the core and after several discussions a compromise, the present proposal, was reached.

Senior Associate Dean, Muskingum Adult Program (MAP): (if applicable) __________________________
in favor or opposed or abstain (circle one)
(please attach comments)
Date: ___/___/11

Teacher Preparation Programs [Initial Licensure]: (if applicable) [Signature]
in favor or opposed or abstain (circle one)
(please attach comments)
Date: 3/20/11

Division Coordinator: [Signature]
(please attach department and division discussion summaries)
Date: 4/7/11
Division Vote:
in favor 2  opposed 0  abstentions 0

Committee Chair (VPAA): [Signature]
Date: 4/14/11
Curriculum Committee vote:
in favor 8  opposed 0  abstentions 1

6. Date of Resolution:
(a) 30-day approval period ends ____________________
(b) date of faculty meeting for consideration __________________

NOTE: See APAP section 110 for more information regarding changes to curriculum.
Curriculum Change Proposal Form

1) Unit proposing the change: **Geology**

2) Please check all appropriate items:

<table>
<thead>
<tr>
<th>New Course:</th>
<th>Course Change:</th>
<th>Course Deletion:</th>
<th>Program Changes:</th>
<th>New Programs:</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐New Course Creation(1) (include title, credits, description, etc.)</td>
<td>☒Number within level), title, description, pre-req change</td>
<td>☐Remove a Course(2)</td>
<td>☐Change to Major (3)</td>
<td>☐New Degree (4)</td>
</tr>
<tr>
<td>☐Course to be Cross Listed(5)</td>
<td>☐Add to LAB(6)</td>
<td>☐Remove a course that is currently in the LAB(3)</td>
<td>☐Change to Minor (4)</td>
<td>☐New Program in principle (4)</td>
</tr>
<tr>
<td>☐Course to be included in LAB(7)</td>
<td>☐Remove from LAB(3)</td>
<td>☐Change to LAB (change to the LAB itself) (4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐Course Included in Major/Minor Requirements(8)</td>
<td>☐Change in Cross-List Status(3)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐Special Course or non-credit workshop(9)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(1\) Curriculum Committee receive & report to faculty  
\(2\) 30 day faculty review required  
\(3\) LAB assessment plan with assessment committee review required prior to CC consideration  
\(4\) Full faculty approval required  
\(5\) Curriculum Committee for action, approval published to faculty

3. Proposed term of initial offering or implementation date: **Fall 2011**

4. Please provide the following information here or attached:
   a. recommended level: FR, SO, JR, SR
   b. credit hours: **4**
   c. title: **Geol 220 Landform Evolution**
   d. requirements it will satisfy: (major, minor, LAB, licensure): **Major, Minor, Licensure**
   e. prerequisites or other special conditions: ________________________________
   f. description of change:
      Change the number of credits from 4 to 3.
   g. proposed catalog description:
   h. justification for change:
      Most of our upper-level courses follow a 3 credit model (with 2 lectures and a lab. per week). This change will standardize our upper-level classes.
   i. staffing considerations:
      (1) can be taught by present staff  
      (2) will require additional staff
   j. anticipated frequency of offering:
      (1) every semester
      (2) once a year
      (3) alternate years
k. resources (facilities, equipment, supplies, library materials, etc.):

5. Signatures:
Department Chair: [Signature]  
(please attach department discussion summary)
Date: 2 / 8 / 11  
Department Vote:  
in favor 3  opposed 0  abstentions 0

The Geology Department has been discussing and modifying these proposals for several semesters. We discussed the changes to the Earth Science major with input from Linda Rogness. The changes in the Earth Science Major reflect the desire of the department to increase the amount of supporting sciences and math in the program and to fulfill the licensure requirements. The changes to the Geology Major originally had fewer courses in the core and after several discussions a compromise, the present proposal, was reached.

Senior Associate Dean, Muskingum Adult Program (MAP): (if applicable)  
in favor or opposed or abstain  (circle one)  
(circle one)  
(please attach comments)
Date:  

Teacher Preparation Programs [Initial Licensure]: (if applicable)  
in favor or opposed or abstain  (circle one)  
(circle one)  
(please attach comments)
Date: 3 / 21 / 11  

Division Coordinator: [Signature]  
(please attach department and division discussion summaries)
Date: 4 / 27 / 2011  
Division Vote:  
in favor 23  opposed 0  abstentions 0

Committee Chair (VPAA): [Signature]  
Date: 4 / 14 / 11  
Curriculum Committee vote:  
in favor 8  opposed 0  abstentions 1

6. Date of Resolution:
(a) 30-day approval period ends  
(b) date of faculty meeting for consideration  

NOTE: See APAP section 110 for more information regarding changes to curriculum.
Curriculum Change Proposal Form

1) Unit proposing the change:  Geology  

2) Please check all appropriate items:

<table>
<thead>
<tr>
<th>New Course:</th>
<th>Course Change:</th>
<th>Course Deletion:</th>
<th>Program Changes:</th>
<th>New Programs:</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Course Creation</td>
<td>Number (within level), title, description, pre-req change</td>
<td>Remove a Course</td>
<td>Change to Major</td>
<td>New Degree</td>
</tr>
<tr>
<td>Course to be Cross Listed</td>
<td>Add to LAB</td>
<td>Remove a course that is currently in the LAB</td>
<td>Change to Minor</td>
<td>New Program in principle</td>
</tr>
<tr>
<td>Course to be included in LAB</td>
<td>Remove from LAB</td>
<td>Change to LAB (change to the LAB itself)</td>
<td>New Program with curriculum</td>
<td></td>
</tr>
<tr>
<td>Course Included in Major/Minor Requirements</td>
<td>Change in Cross-List Status</td>
<td>Add a Minor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Special Course or non-credit workshop</td>
<td></td>
<td></td>
<td>Delete a Major or Minor</td>
<td>Change to Degree Requirements</td>
</tr>
</tbody>
</table>

1 Curriculum Committee receive & report to faculty  
2 30 day faculty review required  
3 LAB assessment plan with assessment committee review required prior to CC consideration  
4 Full faculty approval required  
5 Curriculum Committee for action, approval published to faculty

3. Proposed term of initial offering or implementation date:  Fall 2011  

4. Please provide the following information here or attached:  
   a. recommended level:  FR SO JR SR  
   b. credit hours:  6  
   c. title:  Geol 4xx Field Camp  
   d. requirements it will satisfy: (major, minor, LAB, licensure):  Major  
   e. prerequisites or other special conditions:  approval of department  
   f. description of change:  
      Create a placeholder for Field Camp requirement  
   g. proposed catalog description:  
      a course in field geology at a field camp approved by the department.  
   h. justification for change:  
      Make major requirement more visible to majors and prospective students  
   i. staffing considerations:  
      (1) can be taught by present staff  
      (2) will require additional staff  
   j. anticipated frequency of offering:  
      (1) every semester  
      (2) once a year
(3) alternate years

k. resources (facilities, equipment, supplies, library materials, etc.):

5. Signatures:
Department Chair: [Signature]

(please attach department discussion summary)

Date: 2/8/11
Department Vote:
in favor 3  opposed 0  abstentions 0

The Geology Department has been discussing and modifying these proposals for several semesters. We discussed the changes to the Earth Science major with input from Linda Rognes. The changes in the Earth Science Major reflect the desire of the department to increase the amount of supporting sciences and math in the program and to fulfill the licensure requirements. The changes to the Geology Major originally had fewer courses in the core and after several discussions a compromise, the present proposal, was reached.

Senior Associate Dean, Muskingum Adult Program (MAP): (if applicable) ____________________
in favor or opposed or abstain (circle one)
(please attach comments)
Date: ___/___/

Teacher Preparation Programs [Initial Licensure]: (if applicable) ____________________
in favor or opposed or abstain (circle one)
(please attach comments)
Date: ___/___/

Division Coordinator: [Signature]

(please attach department and division discussion summaries)
Date: 4/17/2011
Division Vote:
in favor 23  opposed 0  abstentions 0

Committee Chair (VPAA): [Signature]

Date: 4/14/11
Curriculum Committee vote:
in favor 8  opposed 0  abstentions 1

6. Date of Resolution:
(a) 30-day approval period ends_________________________
(b) date of faculty meeting for consideration_________________

NOTE: See APAP section 110 for more information regarding changes to curriculum.