REQUEST FOR ADDING, CHANGING, SUSPENDING OR DROPPING AN UNDERGRADUATE CURRICULUM

Department: Math  
College: Science  
Name of Curriculum/Major: Mathematics  
Type of Degree: BS  
Date: 11-19-12

Has this change been discussed with and approved by all departments/colleges affected?  Yes (X)  No ( )  N/A ( )

ATTACH JUSTIFICATION for all actions: Use separate sheet.
ATTACH RESPONSE from any departments affected [i.e. any department whose course(s) are to be added.]
ATTACH FORM D ADDENDUM for all new curricula or changes involving General Education courses.

ACTION (check appropriate box):

( ) ADDING: Show the entire new curriculum by year (freshman, sophomore, etc.) using catalog format. Use plain sheets and attach.
(X) CHANGING: On a separate sheet of paper, include the current curriculum outline (all four years) which is to be changed in the left column and the proposed changes in the right column. In proposed column, use strikeout and bold to identify deletions and additions. Explain all changes adequately on attachment.
( ) SUSPENDING: Provide an adequate explanation for suspending the curriculum on plain sheets and attach.
( ) DROPPING: Provide an adequate explanation for dropping the curriculum on plain sheets and attach.

CURRICULUM

<table>
<thead>
<tr>
<th>PRESENT</th>
<th>PROPOSED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total semester hours in current curriculum: 120</td>
<td>Total semester hours in proposed curriculum: 120</td>
</tr>
</tbody>
</table>

APPROVALS:

Department Faculty Approval Date: Oct. 25, 2012  
Department Chair's Signature: Nov. 19, 2012

College Faculty Approval Date: 11/27/12  
College Dean's Signature: M. Celeste 11/27/12

Chair, FS C & C Committee: 12/4/12  
Academic Affairs Approval: 12/7/12

College Contact: Kim Kubicek  
College Contact E-mail: kkubicek@isl.msu.edu
# GENERAL EDUCATION REQUIREMENTS

When a department adds a new curriculum or makes changes in an existing one, a Form D Addendum must also be submitted. This form is simply a list of those courses in the curriculum that satisfy the General Education requirement. Include course rubric, number, and credit hours when curricula differ from the default values. Indicate the curriculum year for all General Education courses.

<table>
<thead>
<tr>
<th>General Education Requirement</th>
<th>Course(s)</th>
<th>Credit Hours</th>
<th>Curriculum Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition (6 hrs.)</td>
<td>ENGL 1001 or 1004</td>
<td>3</td>
<td>(X) 1&lt;sup&gt;st&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td>ENGL 2000</td>
<td>3</td>
<td>(X) 2&lt;sup&gt;nd&lt;/sup&gt;</td>
</tr>
<tr>
<td>Analytical Reasoning (6 hrs.)</td>
<td>General Education analytical reasoning course (from mathematics department) Math 1550/1551</td>
<td>3</td>
<td>(X) 1&lt;sup&gt;st&lt;/sup&gt;</td>
</tr>
<tr>
<td>(At least 3 hours credit must be from a MATH course.)</td>
<td>General Education analytical reasoning course Math 1552/1553</td>
<td>3</td>
<td>(X) 1&lt;sup&gt;st&lt;/sup&gt;</td>
</tr>
<tr>
<td>Arts (3 hrs.)</td>
<td>General Education arts course</td>
<td>3</td>
<td>(X) 1&lt;sup&gt;st&lt;/sup&gt;</td>
</tr>
<tr>
<td>Humanities (9 hrs.)</td>
<td>General Education humanities course</td>
<td>3</td>
<td>(X) 1&lt;sup&gt;st&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td>General Education humanities course</td>
<td>3</td>
<td>(X) 2&lt;sup&gt;nd&lt;/sup&gt;</td>
</tr>
<tr>
<td></td>
<td>General Education humanities course</td>
<td>3</td>
<td>(X) 3&lt;sup&gt;rd&lt;/sup&gt;</td>
</tr>
<tr>
<td>Natural Sciences (9 hrs.)</td>
<td>General Education natural science course sequence</td>
<td>6</td>
<td>(X) 1&lt;sup&gt;st&lt;/sup&gt;</td>
</tr>
<tr>
<td>(If 2-course sequence is taken in the physical sciences, the additional 3 hour course must be from the life sciences, and vice versa.)</td>
<td>General Education natural science course</td>
<td>3</td>
<td>(X) 1&lt;sup&gt;st&lt;/sup&gt;</td>
</tr>
<tr>
<td>Social Sciences (6 hrs.)</td>
<td>General Education social science course (2000-level or above)</td>
<td>3</td>
<td>(X) 1&lt;sup&gt;st&lt;/sup&gt;</td>
</tr>
<tr>
<td>(At least three hours at or above the 2000-level.)</td>
<td>General Education social science course</td>
<td>3</td>
<td>(X) 1&lt;sup&gt;st&lt;/sup&gt;</td>
</tr>
</tbody>
</table>
CURRENT CURRICULUM IN MATHEMATICS

TOTAL SEM HRS. • 120

Consult "Degree Requirements of the College" in this section of the catalog for specific instructions regarding electives and the general education literature and social sciences requirements.

+See college approval list of natural science courses. If first science course sequence is taken from the physical sciences, the second course sequence must be taken from the life sciences and vice versa.

FRESHMAN YEAR SEM. HRS.
ENGL 1001 ............................................. 3
Two course sequence in a foreign language 8-10
MATH 1550/1551 and 1552/1553 ........... 9
General education natural science course sequence with lab(s) ....................... 8

28-36

SOPHOMORE YEAR SEM. HRS.
ENGL 2000 ............................................. 3
Social science or humanities course....... 3
Three hrs. chosen from 2000 level or above
ENGL or HNRS course from the general education humanities list ....... 3
Select two courses from MATH 2020,
2025, and 2030 ....................................... 6
MATH 2057, 2060, 2085 ......................... 7
General education social science .......... 3
General education natural science course sequence in alternate area+ ............ 6

31

JUNIOR YEAR SEM. HRS.
Area requirements ..................................... 12
Three hrs. chosen from 2000 level or above
ENGL or HNRS courses from the general education humanities list ....... 3
General education social sciences course (2000 level or above).................. 3
Social science or humanities course ....... 3
Approved elective or area requirements 9

30

SENIOR YEAR SEM. HRS.
MATH courses area requirements ...... 6
Approved electives or area requirements 22-20
General education arts courses .......... 3

31-29
Justification

The only change here on this Form D is to change the freshman year requirement of a foreign language from “8-10” hours to “8” hours. This is necessitated by the fact that LSU no longer offers Russian and Japanese, each of which were 5 hours per semester; the surviving foreign languages at LSU are all 4 hours per semester. To make up for the lost two hours, we make a corresponding change in the senior year, where the “approved electives or area requirements” are changed from “22-20” to “22”.
REQUEST FOR ADDING, CHANGING, SUSPENDING OR DROPPING UNDERGRADUATE CONCENTRATION

Department: Math  
College: Science  
Name of Concentration: Applied/Discrete Mathematics  
Name of Curriculum/Major: Mathematics  
Type of Degree: B.S.  
Date: 10-24-12

Has this change been discussed with and approved by all departments/colleges affected?  
Yes ( ) No ( ) N/A (X)

ATTACH JUSTIFICATION for all actions: Use separate sheet.
ATTACH RESPONSE from any departments affected [i.e., any department whose course(s) are to be added.]
ACTION (check appropriate box):

( ) ADDING: List the entire catalog description of the new concentration. Use plain sheets and attach, if necessary.

(X) CHANGING: List present catalog description which is to be changed (left column) and the changes proposed (right column). In proposed column, use strikeout- and bold to indicate deletions and additions. Explain all changes adequately on attachment.

( ) SUSPENDING: Provide an adequate explanation for suspending the concentration on plain sheets and attach.

( ) DROPPING: Provide an adequate explanation for dropping the concentration on plain sheets and attach.

CONCENTRATION

<table>
<thead>
<tr>
<th>PRESENT</th>
<th>PROPOSED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total semester hours in current concentration: 21</td>
<td>Total semester hours in proposed concentration: 21</td>
</tr>
<tr>
<td>♦ Applied/Discrete Mathematics (21 hrs.) MATH 4023, 4025, 4171, 4172, and either 4020 or 4997. Select two courses from MATH 3355, 4024, 4027, 4065, 4066, 4153, 4181, 4340.</td>
<td>♦ Applied/Discrete Mathematics (21 hrs.) MATH 4023, 4025, 4171, 4172, and either 4020 or 4997. Select two courses from MATH 3355, 4024, 4027, 4064, 4065, 4066, 4153, 4181, 4340.</td>
</tr>
</tbody>
</table>

APPROVALS:

Department Faculty Approval Date: 10-25-2012  
Chair, Department: Charles H. Seidell  
Department Chair’s Signature: (Date)  10-25-2012  
Chair, FS C & C Committee: 

College Faculty Approval Date: 11/13/12  
Dean, College: 
College Dean’s Signature: (Date)  11/21/2012  
Academic Affairs Approval:  
Academic Affairs Approval Date: (Date)  1/11/12

College Contact:  
(Please print name.)  
College Contact E-mail:  
Justification

Here we are adding Math 4064 (Numerical Linear Algebra) to the list of electives in the Applied/Discrete Mathematics Concentration. This course was created in 2011; it is required in the newly-created Computational Math Concentration, but so far it has not been mentioned in any of the other five math concentrations. This contributes to the under-enrollment occurring in Math 4064: in the fall of 2011 we cancelled Math 4064 due to low enrollment, and in the fall of 2012 it barely achieved the required 10 students. We consider Math 4064 to be a worthy option for those in the Applied/Discrete Mathematics Concentration.
# REQUEST FOR ADDING, CHANGING, SUSPENDING OR DROPPING UNDERGRADUATE CONCENTRATION

<table>
<thead>
<tr>
<th>Department</th>
<th>Math</th>
<th>College</th>
<th>Science</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Concentration</td>
<td>Secondary Education</td>
<td>Type of Degree</td>
<td>B.S.</td>
<td>10-24-12</td>
</tr>
<tr>
<td>Name of Curriculum/Major</td>
<td>Mathematics</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Has this change been discussed with and approved by all departments/colleges affected?  **Yes ( )  No ( )  N/A ( )**

**ATTACH JUSTIFICATION** for all actions: Use separate sheet.

**ATTACH RESPONSE** from any departments affected [i.e., any department whose course(s) are to be added.]

**ACTION** (check appropriate box):

- [ ] ADDING: List the entire catalog description of the new concentration. Use plain sheets and attach, if necessary.
- [X] CHANGING: List present catalog description which is to be changed (left column) and the changes proposed (right column). In proposed column, use strikeout and bold to indicate deletions and additions. Explain all changes adequately on attachment.
- [ ] SUSPENDING: Provide an adequate explanation for suspending the concentration on plain sheets and attach.
- [ ] DROPPING: Provide an adequate explanation for dropping the concentration on plain sheets and attach.

## CONCENTRATION

### PRESENT

#### Total semester hours in current concentration: 48

- Secondary Education (48 hrs.)
  - This concentration is part of the Geaux Teach–Math and Sciences Program. Students will obtain a degree in mathematics and, upon completing this concentration and meeting any additional requirements of the Louisiana Department of Education, will be eligible for certification in the state of Louisiana as teachers in grades 6-12.
  - Required courses: MATH 2010, 2011; MATH 3002, 3003, 3355, 4005, 4031, 4019; EDCL 2500, 3550, 4500, 3136, 4006; PHIL 2786; BIOL/CHM PHYS 4005 (42 hrs.).
  - Select three hrs. from MATH 4200, 4203, 4181.
  - Select three hrs. from MATH 4024, 4027, 4032, 4036, 4039, 4056, 4065, 4153, 4171, 4172, 4201, 4325, 4340, 4345, 4347, 4700, 4999. EDCI 2500 will count as one of the General Education social science / human sciences courses and PHIIL 2786 as one of the approved social science / humanities courses. Students should plan their course work so that the last semester of the senior year can accommodate the 12 hours that are required to be taken concurrently (EDCI 4006 and 3136).

### PROPOSED

#### Total semester hours in proposed concentration: 48

- Secondary Education (48 hrs.)
  - This concentration is part of the Geaux Teach–Math and Sciences Program. Students will obtain a degree in mathematics and, upon completing this concentration and meeting any additional requirements of the Louisiana Department of Education, will be eligible for certification in the state of Louisiana as teachers in grades 6-12.
  - Required courses: MATH 2010, 2011; MATH 3002, 3003, 3355, 4005, 4031, 4019; EDCL 2500, 3550, 4500, 3136, 4006; PHIL 2786; BIOL/CHM PHYS 4005 (42 hrs.).
  - Select three hrs. from MATH 4200, 4203, 4181. Select three hrs. from MATH 4024, 4027, 4032, 4036, 4039, 4056, 4153, 4171, 4172, 4201, 4325, 4340, 4345, 4347, 4700, 4999. EDCI 2500 will count as one of the General Education social science / human sciences courses and PHIIL 2786 as one of the approved social science / humanities courses. Students should plan their course work so that the last semester of the senior year can accommodate the 12 hours that are required to be taken concurrently (EDCI 4006 and 3136).

## APPROVALS:

### Department Faculty Approval
- Date: 10-25-2012
- Signature: [Signature]
- Chair, FS C & C Committee: [Name]

### College Faculty Approval
- Date: 11/13/12
- Signature: [Signature]

### College Dean's Approval
- Date: [Date]
- Signature: [Signature]

### Academic Affairs Approval
- Date: [Date]
- Signature: [Signature]

College Contact: [Name]  (Please print name.)

College Contact E-mail: [email]
Justification

There are two changes here:

1. We are dropping Math 4470 (Error-Correcting Codes) from the list of electives in the Secondary Education Concentration, since we are (on a separate Form B) dropping Math 4470 from the catalog.

2. We are adding Math 4158 (Foundations of Mathematics) to the list of electives in Secondary Education Concentration. This course has been chronically under-enrolled, and consequently it has been offered only infrequently. One reason is that it is an "orphan" course, not counting toward the Math degree at all. (Specifically, it is not counted in any of the six concentrations in the Math curriculum.) Thus, it is currently a "leisure" course. The only other 4000-level Math course not counting toward the Math degree is Math 4038 (Mathematical Methods in Engineering), which is a service course for the engineers. We now recognize that Math 4158 is a worthy option for those in the Secondary Education Concentration. We intend to offer it every year or at least every other year from now on.
REQUEST FOR ADDING, CHANGING, SUSPENDING OR DROPPING UNDERGRADUATE CONCENTRATION

Department: Math  
College: Science  
Name of Concentration: Mathematics  
Name of Curriculum/Major: Mathematics  
Type of Degree: B.S.  
Date: 10-24-12

Has this change been discussed with and approved by all departments/colleges affected? Yes ( ) No ( ) N/A (X)

ATTACH JUSTIFICATION for all actions: Use separate sheet.
ATTACH RESPONSE from any departments affected [i.e., any department whose course(s) are to be added,]

ACTION (check appropriate box):

( ) ADDING: List the entire catalog description of the new concentration. Use plain sheets and attach, if necessary.

(X) CHANGING: List present catalog description which is to be changed (left column) and the changes proposed (right column). In proposed column, use strikeout and bold to indicate deletions and additions. Explain all changes adequately on attachment.

( ) SUSPENDING: Provide an adequate explanation for suspending the concentration on plain sheets and attach.

( ) DROPPING: Provide an adequate explanation for dropping the concentration on plain sheets and attach.

### CONCENTRATION

#### PRESENT

<table>
<thead>
<tr>
<th>Mathematics (21 hrs.)</th>
<th>21</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 4200, 4031, and either 4032 or 4035. (9 hours)</td>
<td></td>
</tr>
<tr>
<td>Either MATH 4020 or 4997. (3 hours)</td>
<td></td>
</tr>
<tr>
<td>Select three courses from MATH 3355, 4027, 4032, 4035, 4136, 4091, 4153, 4065, 4171, 4172, 4181, 4201, 4325, 4340, 4345, 4410, 4700, 4997, 4999. (9 hours)</td>
<td></td>
</tr>
<tr>
<td>At most six credit hours of the 21 hours in the concentration may be from MATH 4020, 4997 or 4999.</td>
<td></td>
</tr>
</tbody>
</table>

#### PROPOSED

<table>
<thead>
<tr>
<th>Mathematics (21 hrs.)</th>
<th>21</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 4200, 4031, and either 4032 or 4035. (9 hours)</td>
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<td>At most six credit hours of the 21 hours in the concentration may be from MATH 4020, 4997 or 4999.</td>
<td></td>
</tr>
</tbody>
</table>

### APPROVALS:

<table>
<thead>
<tr>
<th>Department Faculty Approval Date</th>
<th>10-25-2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charles M. Smith</td>
<td>10-25-2012</td>
</tr>
</tbody>
</table>

Department Chair's Signature  
(Date)

<table>
<thead>
<tr>
<th>Chair, FS C &amp; C Committee Date</th>
<th>12/11/12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kim Kubicek</td>
<td>-----------</td>
</tr>
</tbody>
</table>

College Faculty Approval Date  
11/13/12

College Dean's Signature  
(Date)

<table>
<thead>
<tr>
<th>Academic Affairs Approval Date</th>
<th>12/17/12</th>
</tr>
</thead>
<tbody>
<tr>
<td>John O. Rogers</td>
<td>-----------</td>
</tr>
</tbody>
</table>
Justification

There are three changes here:

1. We are dropping Math 4470 (Error-Correcting Codes) from the list of electives in the Mathematics Concentration, since we are (on a separate Form B) dropping Math 4470 from the catalog.

2. We are adding Math 4064 (Numerical Linear Algebra) to the list of electives in Mathematics Concentration. This course was created in 2011; it is required in the newly-created Computational Math Concentration, but so far it has not been mentioned in any of the other five math concentrations. This contributes to the under-enrollment occurring in Math 4064: in the fall of 2011 we cancelled Math 4064 due to low enrollment, and in the fall of 2012 it barely achieved the required 10 students. We consider Math 4064 to be a worthy option for those in the Mathematics Concentration.

3. We are adding Math 4158 (Foundations of Mathematics) to the list of electives in Mathematics Concentration. This course has been chronically under-enrolled, and consequently it has been offered only infrequently. One reason is that it is an "orphan" course, not counting toward the Math degree at all. (Specifically, it is not counted in any of the six concentrations in the Math curriculum.) Thus, it is currently a "leisure" course. The only other 4000-level Math course not counting toward the Math degree is Math 4038 (Mathematical Methods in Engineering), which is a service course for the engineers. We now recognize that Math 4158 is a worthy option for those in the Mathematics Concentration. We intend to offer it every year or at least every other year from now on.
REQUEST FOR DROPPING A COURSE

Department: Civil & Environmental Engr
College: Engineering

Course rubric & no. CE 7120 Title: Sanitary Engineering Operations and Processes Lab

Semester hours of credit: 3.0

NOTE: Affected departments must be notified in writing and with adequate time allowed for written response(s). Responses must be included with this form.

Has this drop been discussed with and approved by all departments/colleges affected? Yes (X) No ( ) N/A ( )

This course is presently included or referenced in the following curriculum, minor, concentration, area of specialization, or catalog chapter:
(If additional space is needed, please attach a separate piece of paper.)

Is this course a prerequisite or corequisite for any other courses? Yes ( ) No (X)

If answer to above is yes, please list courses by rubric and course number.
(If additional space is needed, please attach a separate piece of paper.)

Rubric _____ Course # ______ Rubric _____ Course # ______

Rubric _____ Course # ______ Rubric _____ Course # ______

Is this course on the general education list? Yes ( ) No (X)

If yes, attach approval of drop from General Education Committee

REASON FOR REQUEST TO DROP COURSE:

Course has not been taught in >10 years. We have no plans to teach the course in the future as material is available to graduate students in our program in several other courses.

APPROVALS:

Department Faculty Approval Date 10/31/12

College Faculty Approval Date 11/15/12

Department Chair's Signature ________________________ (Date) ________________________

College Chair's Signature ________________________ (Date) ________________________

Graduate Dean's Signature ________________________ (Date) ________________________

Chair, FS C & C Committee ________________________ (Date) ________________________

College Contact: ________________________ (Please print name.) ________________________

College Contact E-mail: ________________________ ________________________
REQUEST FOR DROPPING A COURSE

Department Mathematics

College Science

Course rubric & no. Math 4470 Title Error-Correcting Codes

Semester hours of credit: 3

NOTE: Affected departments must be notified in writing and with adequate time allowed for written response(s). Responses must be included with this form.

Has this drop been discussed with and approved by all departments/colleges affected? Yes (X) No ( ) N/A ( )

This course is presently included or referenced in the following curriculum, minor, concentration, area of specialization, or catalog chapter:

Computer Science Curric., Distributed Systems and Networking Concentration

Math Curric., Mathematics Concentration

Math Curric., Applied/Discrete Mathematics Concentration

Math Curric., Secondary Education Concentration

Is this course a prerequisite or corequisite for any other courses? Yes ( ) No (X)

If answer to above is yes, please list courses by rubric and course number.

Rubric _______ Course # _______ Rubric _______ Course # _______

Rubric _______ Course # _______ Rubric _______ Course # _______

Is this course on the general education list? Yes ( ) No ( )

If yes, attach approval of drop from General Education Committee

REASON FOR REQUEST TO DROP COURSE:

In April 2012, the Registrar changed the status of Math 4470 to Inactive. It was last offered in 2005. It will not be offered again.

APPROVALS:

Department Faculty Approval Date Aug. 30, 2011

College Faculty Approval Date 1/12/12

Charles S. Djabali

Nov. 16, 2012

Department Chair’s Signature

Date

K. Carson/M. Carter 1/12/12

College Dean’s Signature

Date

Jennifer Finney 14/1/12

Chair, PSC & C Committee

Date

Kim Kubicek 1/17/12

Academic Affairs Approval

Date

College Contact: Kim Kubicek

(Please print name.)

College Contact E-mail: kubicek@isu.edu

Effective Date 5/2013
Approval of affected units

Date: Thu, 15 Nov 2012 22:10:36 -0500 (CDT)
From: Charles N. Delzell <delzell@math.lsu.edu>
To: Coretta Douglas <douglas@csc.lsu.edu>
Cc: Robert Perlis <perlis@math.lsu.edu>
Subject: Requesting (a) approval to drop Math 4470, and
(b) a change in ur Distributed Systems & Networking Concent.

Parts/Attachments:
69 KB Application, "FormB-Math4470-2012-11-16.doc"
69 KB Application, "FormE-CompSciDistribSysNetworking2012-11-16.doc"

Dear Coretta Douglas (Undergrad Coordinator, Div. of Computer Sci. & Engin.),

(a) The Math Department is dropping Math 4470, due to inactivity.
I attach the Form B, with the details.
Your Distributed Systems and Networking Concentration includes Math 4470 as an elective.
Do you approve our dropping Math 4470 from the catalog? Actually, on April 2 the Registrar changed the status of Math 4470 to "Inactive"; I believe that this means that the Registrar is already taking all mention of 4470 out of the 2013-2014 catalog, even if our Form B doesn't go through.

(b) For us to drop Math 4470, you may have to change your Distributed Systems and Networking Concentration. I attach a Form E to help you begin the process carrying out this change. Feel free to modify that Form E as you see fit; it may be too late for you to do this in time for the 2013-2014 catalog; if so, no problem. On the other hand, as I said above, I believe that the Registrar is already taking all mention of 4470 out of the 2013-2014 catalog—including out of your concentration; if so, then I guess you don’t need to submit a Form E, after all. Maybe you could ask the Registrar or your dean to be sure.

Thanks.

Sincerely,

Charles Delzell
Associate Chair for Instruction
Department of Mathematics
578-1619

(Name: "FormB-Math4470-2012-11-16.doc") 69 KB. ]

(Name: "FormE-CompSciDistribSysNetworking2012-11-16.doc") 69 KB. ]
REQUEST FOR DROPPING A COURSE

Department Mathematics

College Science

Course rubric & no. Math 7200 Title Geometric and Abstract Algebra

Semester hours of credit: 3

NOTE: Affected departments must be notified in writing and with adequate time allowed for written response(s). Responses must be included with this form.

Has this drop been discussed with and approved by all departments/colleges affected? Yes (X) No ( ) N/A ( )

This course is presently included or referenced in the following curriculum, minor, concentration, area of specialization, or catalog chapter:

(If additional space is needed, please attach a separate piece of paper.)

MS in Mathematics

PhD in Mathematics

Is this course a prerequisite or corequisite for any other courses? Yes (X) No ( )

If answer above is yes, please list courses by rubric and course number.

(If additional space is needed, please attach a separate piece of paper.)

Rubric Course # Rubric Course # Rubric Course #

(See page 2 below.)

Is this course on the general education list? Yes ( ) No (X)

If yes, attach approval of drop from General Education Committee

REASON FOR REQUEST TO DROP COURSE:

This course was originally a course for students not yet prepared for the usual first semester of abstract algebra for graduate students. As the student preparation improved, the course evolved to the traditional first semester of abstract algebra. After a review of the syllabus, the decision was made to revert to the already existing course 7210 (to be followed by 7211) for the first year algebra sequence, and this is what has been taught for a number of years. Thus, Math 7200 is obsolete and no longer needed, and hence should be dropped from the catalog.

APPROVALS:

Department Faculty Approval Date August 30, 2011

College Faculty Approval Date 11/27/12

Charles M. Guse, Jr. Nov. 16, 2012

Department Chair’s Signature

(Date)

K. Carr, M. Chute 12/17/12

College Dean’s Signature (Date)

Jannette J. Stein 12/4/11

Chair, FSCC & C Committee

(Date)

Donald E. Keyser 12/17/12

Academic Affairs Approval

(Date)

College Contact: K. Kubicki

(Please print name.)

College Contact E-mail: K. Kubicki@isu.edu
Prerequisite Courses

Math 7370
Math 7400
Math 7520
Math 7550
Request for CHANGING an Existing Course

Department: Mech. & Ind. Engineering
Course Rubric and #: ME 7443
College: Engineering
Date: 10/18/12

Present Course Description
Title: Advanced Heat Transfer II

Semester Hours of Credit: 3

If combination course type, # hrs. of credit for: lab/sem/rec: 

Repeat Credit Max (if repeatable): X
Graduate Credit?: Yes: ___ No: ___

Credit will not be given for this course and: ____________

Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC ___ LAB ___ SEM ___ REC ___ RES/IND ___ CLIN/PRAC ___

Total Weekly Contact Hours: ___

Grading System: Letter Grade: X ___ Pass/Fail ___

Course Description:
7443 Advanced Heat Transfer II (3) Prereq.: ME 7843 or equivalent. Convection heat transfer.

Proposed Course Description
Title: Advanced Heat Transfer II
Short Title: ADV HEAT TRANSFER II

Semester Hours of Credit: 3

If combination course type, # hrs. of credit for: lab/sem/rec: 

Repeat Credit Max (if repeatable): X
Graduate Credit?: Yes: ___ No: ___

Credit will not be given for this course and: ____________

Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC ___ LAB ___ SEM ___ REC ___ RES/IND ___ CLIN/PRAC ___

Total Weekly Contact Hours: ___

Grading System: Letter Grade: X ___ Pass/Fail ___

Course Description:
7443 Advanced Heat Transfer II (3) Prereq.: ME 7323 or equivalent. Convection heat transfer.

Has this change been discussed with and approved by all departments/colleges affected? Yes (X) No ( ) N/A ( )
Is this course included in any curricula, concentrations, or minors? Yes ( ) No ( )
If yes, please list on a separate sheet.
Is this course a prerequisite or corequisite for other courses? Yes ( ) No (X)
If yes, list courses; use separate sheet.
Is this course on the General Education list? Yes ( ) No (X)
JUSTIFICATION/EXPLANATION: Use separate sheet.

Note: IF COURSE IS OR WILL BE CROSS-LISTED, SEPARATE FORMS MUST BE SUBMITTED BY EACH DEPARTMENT.

APPROVALS:
Department Faculty Approval Date: 9/7/12
Department Chair's Signature: ____________ (Date) 11/20/12
Graduate Dean's Signature: ____________ (Date)
College Contact: ____________ (Please print name.)
College Contact E-mail: ____________

College Faculty Approval Date: 11/20/12
College Dean's Signature: ____________ (Date)
Chair, FS C & C Committee: ____________ (Date) 12/19/12
Academic Affairs Approval: ____________ (Date) 12/17/12
JUSTIFICATION

The prerequisite for this course ME 7843 has been dropped. ME 7323 has been approved to replace the course. The new course includes scaling analysis and boundary layer analysis.

This change corrects the prerequisite to the new approved course number.
**Request for CHANGING an Existing Course**

**Department:** Mathematics  
**Course Rubric and #:** Math 7550  
**College:** Science  
**Date:** 10-23-2012

### Present Course Description

**Title:** Differential Geometry and Topology

- **Semester Hours of Credit:** 3
- **Grading System:** Letter Grade X Pass/Fail
- **Course Description:**
  Include course number, 186, etc., exactly as it appears in the General Catalog
  **7550 Differential Geometry and Topology (3) Prereq.: MATH 7200 and 7510 or equivalent. Manifolds, vector fields, vector bundles, transversality, Riemannian geometry, other topics.**

### Proposed Course Description

**Title:** Differential Geometry and Topology

- **Semester Hours of Credit:** 3
- **Contact Hours Per Week:**
  - **LEC:** 3
  - **LAB:**
  - **SEM:**
  - **REC:**
  - **RES/PRAC:**
  - **CLIN/PRAC:**

**Repeat Credit Max (if repeatable):** No
**Credit will not be given for this course and:** No
**Credit will not be given for this course and:** No

### Additional Information

**Has this change been discussed with and approved by all departments/colleges affected?** Yes

- **Is this course included in any curricula, concentrations, or minors?** Yes
- **Is this a prerequisite or corequisite for other courses?** Yes
- **Is this course on the General Education list?** Yes

**JUSTIFICATION/EXPLANATION:** Use separate sheet.

**Note:** IF COURSE IS OR WILL BE CROSS-LISTED, SEPARATE FORMS MUST BE SUBMITTED BY EACH DEPARTMENT.
Justification

This proposal is to replace Math 7550's prereq of Math 7200 by Math 7210. The reason is that Math has submitted a Form B to drop Math 7200. Math 7210 is the replacement of Math 7200.
Request for CHANGING an Existing Course

Department: Civil & Environmental Engr.  College: Engineering
Course Rubric and #: CE 7180  Date: 10/16/12

Present Course Description
Title: Water Quality Simulations

Semester Hours of Credit: 3.0
If combination course type, # hrs. of credit for:
lecture: _3_ lab/sem: _rec: __
Repeat Credit Max (if repeatable): __
Graduate Credit?: Yes: X  No: __
Credit will not be given for this course and:

Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC  _3_ LAB  _SEM_  _REC_  _RES/IND_  _CLIN/PRACT_  _
Total Weekly Contact Hours: _3_
Grading System: Letter Grade _X_  Pass/Fail ___

Course Description:
Include course number, title, etc., exactly as it appears in the General Catalog:
7180 Water Quality Simulations (3) Prereq.: CE 4130. Water quality modeling from a perspective of practicality and reliability; emphasis on model calibration and verification procedures and methodologies for quantifying uncertainties associated with model predictions.

Proposed Course Description
Title: Water Quality Simulations
Short Title: Water Qual Sim
Semester Hours of Credit: 3.0
If combination course type, # hrs. of credit for:
lecture: _3_ lab/sem: _rec: __
Repeat Credit Max (if repeatable): __
Graduate Credit?: Yes: X  No: __
Credit will not be given for this course and:

Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC  _3_ LAB  _SEM_  _REC_  _RES/IND_  _CLIN/PRACT_  _
Total Weekly Contact Hours: _3_
Grading System: Letter Grade _X_  Pass/Fail ___

Course Description:
Include course number, title, etc., exactly as it appears in the General Catalog:
7180 Water Quality Simulations (3) Water quality modeling from a perspective of practicality and reliability; emphasis on model calibration and verification procedures and methodologies for quantifying uncertainties associated with model predictions.

Has this change been discussed with and approved by all departments/colleges affected? Yes (X) No ( ) N/A ( )
Is this course included in any curricula, concentrations, or minors? Yes ( ) No (X) if yes, please list on a separate sheet.
Is this course a prerequisite or corequisite for other courses? Yes ( ) No (X) if yes, list courses; use separate sheet.
Is this course on the General Education list? Yes ( ) No (X)

JUSTIFICATION/EXPLANATION: Use separate sheet.

Note: IF COURSE IS OR WILL BE CROSS-LISTED, SEPARATE FORMS MUST BE SUBMITTED BY EACH DEPARTMENT.

APPROVALS:
Department Faculty Approval Date: 10/31/12
Department Chair’s Signature: ___
Graduate Dean’s Signature: ___
College Contact: ___

College Faculty Approval Date: 11/15/12
College Dean’s Signature: ___
Chair, FS C & C Committee: ___

Form C
Effective: 1/1/13
Justification/Explanation:

The course description in the current catalogue references a course CE 4130 that no longer exists. We have discussed the course with the faculty and no prerequisite is needed for the course so we are removing it from the revised course description. This is the only change being made to the course.
Request for CHANGING an Existing Course

Department: Information Systems and Decision Sciences
Course Rubric and #: 4112
College: E.J. Ourso College of Business
Date: 10/16/2012

Present Course Description
Title: Data Warehousing
Semester Hours of Credit: 3

If combination course type, # hrs. of credit for lecture: __lab/sem__/rec: __
Repeat Credit Max (if repeatable): __
Graduate Credit? Yes: X No: __
Credit will not be given for this course and: __
Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC: __LAB: __SEM: __REC: __
Total Weekly Contact Hours: __
Grading System: Letter Grade: X Pass/Fail __

Course Description:
Include course number, title, etc. exactly as it appears in the General Catalog.
4112 Data Warehousing (3) Prereq: BUSN 3100: Data Warehouses for business, topics include top-down design, bottom-up design, data charts, multidimensional data, data mining, Web-enabled data warehouse, knowledge management.

Proposed Course Description
Title: Data Warehousing and Business Intelligence
Short Title: DATAWAREHOUSING BI
Semester Hours of Credit: 3

If combination course type, # hrs. of credit for lecture: __lab/sem__/rec: __
Repeat Credit Max (if repeatable): __
Graduate Credit? Yes: X No: __
Credit will not be given for this course and: __
Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC: __LAB: __SEM: __REC: __
Total Weekly Contact Hours: __
Grading System: Letter Grade: X Pass/Fail __

Course Description:
Include course number, title, etc. exactly as it will appear in the General Catalog.
4112 Data Warehousing (3) Prereq: BUSN 3100: Data Warehouses for business, topics include business intelligence, data charts, multidimensional data, data mining, Web-enabled data warehouse, knowledge management.

THESE QUESTIONS MUST BE ANSWERED COMPLETELY AND ACCURATELY OR PROPOSAL WILL BE RETURNED.
Has this change been discussed with and approved by all departments/colleges affected? Yes (x) No ( ) N/A ( )
Is this course included in any curricula, concentrations, or minors? Yes (x) No ( ) If yes, please list on a separate sheet.
Is this course a prerequisite or corequisite for other courses? Yes ( ) No (x) If yes, list courses; use separate sheet.
Is this course on the General Education list? Yes ( ) No (x)

JUSTIFICATION/EXPLANATION: Use separate sheet.

Note: IF COURSE IS OR WILL BE CROSS-LISTED, SEPARATE FORMS MUST BE SUBMITTED BY EACH DEPARTMENT.

APPROVALS:
Department Faculty Approval Date SEp 07 2012
Department Chair's Signature ____________
(Date)
Graduate Dean's Signature ____________
(Date)
College Contact: ____________
(Please print name.)
College Contact E-mail: ____________

College Faculty Approval Date 11/16/12
College Dean's Signature ____________
(Date)
Chair, FSC C & C Committee ____________
(Date)

Academic Affairs Approval ____________
(Date)
Justification to change course description and title

ISDS 4112 is currently an elective in the ISDS major, and ITM minor. It will be required in the new Business Intelligence concentration in the ISDS curriculum.

The current description of ISDS 4112 does not adequately describe the needs of business and industry and what is now taught in this course.

Over the past 10 years businesses have moved to use data warehouses to build business intelligence applications. This has affected how data warehouses are designed to meet the requirements of these applications. Thus business intelligence had to be added to the content of this course.

The prerequisite needs to be changed from ISDS 3100 to ISDS 3110 because ISDS 4112 requires knowledge of databases in order for students to be successful. Students learn about databases in ISDS 3110 not in ISDS 3100.
Course Description

ISDS 4112
Data warehouses for business; topics include business intelligence, data charts, multidimensional data, data mining, web-enabled data warehouse, and knowledge management.

Instructional Team

Cory Hutchinson
Associate Director
Information Systems and Decisions Sciences / Highway Safety Research Group

Phone: (225) 578-1433

Advising Policies

Electronic Advising
Email is the most reliable method of contact. I will usually respond to all emails with a 24 hour period.

Please start your subject lines in email correspondence as follows:
Course: SUBJECT_OF_MESSAGE
ex: ‘ISDS 4112: Assistance Needed’

Telephone Advising
You may find it difficult to reach me on the first try, but please leave a complete message on our voice mail so I can understand your questions and properly respond.
**Course Goals**

By the end of this course, the student should have an understanding of:

1. Business Intelligence usage, design and tools used to build a working system.
2. Concepts and current methodologies for creating On-Line Analytical Processing (OLAP) databases.
3. Data visualization options, including bar/line/pie charts, digital dashboards, and key performance indicator gauges.
4. Providing user friendly and intuitive interfaces to target audience.
5. The role ETL processes play in getting data from OLTP systems into an OLAP system.
6. Structural differences between relational databases and multidimensional data warehouse architectures.
7. Relationships between fact and dimension tables, along with star and snowflake schemas.
8. Design of online analytical processing (OLAP) models and multidimensional cubes that provide summary-to-detail data through drilldowns.

**Prerequisites**

ISDS 3110: An understanding of relational databases, table joins, and SQL required.

**Text**

Larson, Brian. Delivering Business Intelligence with Microsoft SQL Server 2012
ISBN 978-0-07-175938-0

**Additional Resources**

During the semester additional resources will be provided. These resources will include:

- In-class handouts and exercises
- Extra PowerPoint slides
- Documents and case studies
- Web resources
Grading

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<th>Percentage</th>
<th>Grade Point</th>
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<tr>
<td>B</td>
<td>80 - 89%</td>
<td>3.0</td>
</tr>
<tr>
<td>C</td>
<td>70 - 79%</td>
<td>2.0</td>
</tr>
<tr>
<td>D</td>
<td>60 - 69%</td>
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<td>0 - 59%</td>
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Assignments

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<td>Homework</td>
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<td>Test 1</td>
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<td>20</td>
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<td>Test 2 &amp; 3</td>
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<td>60 (30 Points each)</td>
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Course Outline

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<tr>
<th>Week</th>
<th>Topic</th>
<th>Readings/Assignments</th>
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<tr>
<td>1</td>
<td>Course and Class Introduction / BI Overview</td>
<td>Reading</td>
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<tr>
<td></td>
<td>Business + Intelligence + Technology</td>
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<tr>
<td>2</td>
<td>Effective Decision Making &amp; Using Business Intelligence</td>
<td>Chapters 1 &amp; 2</td>
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<td>Sources of Business Intelligence</td>
<td>Chapters 3</td>
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<td>3</td>
<td>Building Foundations Creating Data Marts</td>
<td>Chapter 6</td>
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<td></td>
<td>Complete Lectures &amp; Test Review</td>
<td>(Homework 1 Due)</td>
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<td>4</td>
<td>Test 1 (Reading and Chapters 1, 2, 3 &amp; 6)</td>
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<td>Beginning the Development of Business Intelligence</td>
<td>Chapter 5</td>
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<tr>
<td>5</td>
<td>No – Class (Mardi Gras)</td>
<td>Chapters 7 &amp; 8</td>
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<td></td>
<td>Populating Data Marts</td>
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</tr>
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<td>6</td>
<td>Creating Data Marts (Lab) (AdventureWorks)</td>
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<tr>
<td></td>
<td>Populating Data Marts (Lab) (AdventureWorks)</td>
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<tr>
<td>7</td>
<td>Measures and Dimensions</td>
<td>Chapter 9</td>
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<td></td>
<td>OLAP Cubes</td>
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<td>8</td>
<td>Measures and Dimensions (Lab) (AdventureWorks)</td>
<td>Chapter 10</td>
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<td>(Homework 2 Review)</td>
<td>(Homework 2 Due)</td>
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<td>Measures and Dimensions (Lab2) (AdventureWorks)</td>
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<td>OLAP Cubes (Lab) (AdventureWorks)</td>
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<td>10</td>
<td>OLAP Cubes (Lab2) (Browse cubes with MDX overview)</td>
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<td>Complete Lecture/Labs &amp; Test Review</td>
<td>(Homework 3 Due)</td>
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<td>Test 2 (Chapter 6 – 10)</td>
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<td>Excel Pivot Tables</td>
<td>Chapter 19</td>
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<td>13</td>
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<td>14</td>
<td>Excel Pivot Tables (Lab)</td>
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<td>Reporting Services (Lab2) (AdventureWorks)</td>
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<td>Homework 4 Review (Lab)</td>
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<td>SQL 2012 Overview (Lab)</td>
<td>(Homework 4 Due)</td>
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<td>17</td>
<td>Test 3 (Chapter 16, 19, Supplemental materials)</td>
<td>Supplemental Materials</td>
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Request for CHANGING an Existing Course

Department: Finance
Course Rubric and #: FIN 3715

College: E.J. Ourso College of Business
Date: Feb 14 2012

Present Course Description
Title: Business Finance

Semester Hours of Credit:
If lecture/lab, # hrs. of credit for lecture: Lab: Repeat Credit Max (if repeatable): Yes: No:
Graduate Credit? Yes: No:
Credit will not be given for this course and:

Contact Hours Per Week (from ACM):
LEC 3 LAB 0 SEM 0 RES/IND 0 CLIN/PRACT 0
Total Weekly Contact Hours: 3
Grading System: Letter Grade X Pass/Fail

Course Description:
Include course number, title etc. exactly as it appears in the General Catalog
3715 Business Finance (3) Prereq: ECON 2000 and 2010, or 2030; and ACCT 2000 or 2001; credit will not be given for this course and FIN 3716 or KIN 3804. Not open to students in the E. J. Ourso College of Business. Finance function within the business enterprise; techniques of financial management, concepts of capital structure and dividend policy, working capital management, capital budgeting, institutional and international environment of the firm.

Proposed Course Description
Title: Business Finance
Short Title:
Semester Hours of Credit:
If lecture/lab, # hrs. of credit for lecture: Lab: Repeat Credit Max (if repeatable): Yes: No:
Graduate Credit? Yes: No:
Credit will not be given for this course and:

Contact Hours Per Week:
LEC 3 LAB 0 SEM 0 RES/IND 0 CLIN/PRACT 0
Total Weekly Contact Hours: 3
Grading System: Letter Grade X Pass/Fail

Course Description:
Include course number, title etc. exactly as it appears in the General Catalog
3715 Business Finance (3) Prereq: ECON 2000 and 2010, or 2030; and ACCT 2000 or 2001; credit will not be given for this course and FIN 3716. Not open to students in the E. J. Ourso College of Business. Finance function within the business enterprise; techniques of financial management, concepts of capital structure and dividend policy, working capital management, capital budgeting, institutional and international environment of the firm.

THESE QUESTIONS MUST BE ANSWERED COMPLETELY AND ACCURATELY OR PROPOSAL WILL BE RETURNED:

Has this change been discussed with and approved by all departments/colleges affected? Yes ( ) No ( ) N/A ( )
Is this course included in any curricula, concentrations, or minors? Yes ( ) No ( ) If yes, please list on a separate sheet.
Is this course a prerequisite or corequisite for other courses? Yes ( ) No ( ) If yes, list courses; use separate sheet.
Is this course on the General Education list? Yes ( ) No ( )

JUSTIFICATION/EXPLANATION: Use separate sheet.

Note: IF COURSE IS OR WILL BE CROSS-LISTED, SEPARATE FORMS MUST BE SUBMITTED BY EACH DEPARTMENT.

APPROVALS:
Department Faculty Approval Date 5/13/12
Department Chair's Signature (Date)

College Faculty Approval Date 11/16/12
College Dean's Signature (Date)

Graduate Dean's Signature (Date)

Chair, FS C & C Committee 12/7/12
Programs with FIN 3715 listed.

FIN 3715 is required in the Business Minor.

FIN 3715 is listed in the Construction Management major but will have no impact as KIN 3804 is not an issue to CM students.

FIN 3715 is listed in the Kinesiology major and the Kinesiology department has requested the change.

FIN 3715 is listed in an Agribusiness concentration but will have no impact.

**Justification:**

After a request from the Kinesiology department to review the course and texts used, the Finance department has found that there is not enough of an overlap to justify the prohibition.
From: Lawrence J Rouse [mailto:lrouse@lsu.edu]
Sent: Monday, July 09, 2012 4:51 PM
To: Dorothy Jacobsen
Subject: RE: need information

Dee,

Sorry, I looked at your "problem", but got sidetracked by a report that I had to submit to Academic Affairs. I believe you are correct. The change only impacts your students and the Finance Department. Since Finance has no problem, send the form to request the change to the course to the Registrar's office.

Larry
Request for CHANGING an Existing Course

Department: Finance

Course Rubric and #: FIN 3716

Present Course Description

Title: Financial Management

Semester: Hours of Credit 3

If combination course type, # hrs. of credit for lecture: lab/sem /rec: Repeat Credit Max (if repeatable) No

Graduate Credit? Yes: No:

Credit will not be given for this course and: FIN 3715 or KIN 3804

Contact Hours Per Week: (Indicate hours in appropriate course type)

LEC 3 LAB pass/fail REC
Total Weekly Contact Hours: 3
Grading System: Letter Grade X Pass/Fail

Course Description:

3716 Financial Management (3) Prereq.: ECON 2000 and 2010 and ACCT 2001. Credit will not be given for both this course and FIN 3715 or KIN 3804. Intended primarily for students in the E. J. Ourso College of Business. Students minoring in business should enroll in FIN 3715. Principles and procedures of financial management; investment and financing decisions within the business enterprise.

THESE QUESTIONS MUST BE ANSWERED COMPLETELY AND ACCURATELY OR PROPOSAL WILL BE RETURNED.

Has this change been discussed with and approved by all departments/colleges affected? Yes (X) No ( ) N/A ( )

Is this course included in any curricula, concentrations, or minors? Yes (X) No ( ) If yes, please list on a separate sheet.

Is this course a prerequisite or corequisite for other courses? Yes (X) No ( ) If yes, list courses; use separate sheet.

Is this course on the General Education list? Yes ( ) No (X)

JUSTIFICATION/EXPLANATION: Use separate sheet.

Note: IF COURSE IS OR WILL BE CROSS-LISTED, SEPARATE FORMS MUST BE SUBMITTED BY EACH DEPARTMENT.

APPROVALS:

Department Faculty Approval Date 10/3/12

Department Chair's Signature

Graduate Dean's Signature

College Contact

College Faculty Approval Date 11/16/12

College Dean's Signature

Chair, FSC & C Committee

Effective 2013
Programs with FIN 3716 listed:

FIN 3716 is a requirement for all students in the E. J. Ourso College of Business.

Prerequisites:

FIN 3716 is a prerequisite for the following FIN classes:

3717, 3826, 4830

Justification:

After a request from the Kinesiology department to review the course and texts used, the Finance department has found that there is not enough of an overlap to justify the prohibition.
From: Lawrence J Rouse [mailto:lruse@lsu.edu]
Sent: Monday, July 09, 2012 4:51 PM
To: Dorothy Jacobsen
Subject: RE: need information

Dee,

Sorry, I looked at your "problem", but got sidetracked by a report that I had to submit to Academic Affairs. I believe you are correct. The change only impacts your students and the Finance Department. Since Finance has no problem, send the form to request the change to the course to the Registrar's office.

Larry
# Request for CHANGING an Existing Course

**Department**: Marketing  
**College**: E.J. Ourso College of Business  
**Course Rubric and #:** MKT 3427  
**Date**: 10/02/12

## Present Course Description

- **Title**: Buyer Seller Communication  
- **Semester Hours of Credit**: 3

If combination course type, # hrs. of credit for:

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<th>Lab/sem</th>
<th>Rec</th>
<th>Total Weekly Contact Hours</th>
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Graduate Credit?  
Yes: [ ]  No: [x]  
Credit will not be given for this course and:

- **Contact Hours Per Week**: (Indicate hours in appropriate course type.)

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<th>LAB</th>
<th>SEM</th>
<th>REC</th>
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</table>

- **Grading System**: Letter Grade  
- **Pass/Fail**

**Course Description**:  
Include course number, title, etc., exactly as it appears in the General Catalog

3427 Buyer-Seller Communication (3) Prereq.: MKT 3401. Communication theory and sales principles needed for successful sales career; buyer behavior and sales tactics; sales strategies; communication in buyer-seller relationships.

## Proposed Course Description

- **Title**: Professional Selling  
- **Semester Hours of Credit**: 3

If combination course type, # hrs. of credit for:

<table>
<thead>
<tr>
<th>Lecture</th>
<th>Lab/sem</th>
<th>Rec</th>
<th>Total Weekly Contact Hours</th>
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Graduate Credit?  
Yes: [ ]  No: [x]  
Credit will not be given for this course and:

- **Contact Hours Per Week**: (Indicate hours in appropriate course type.)

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<th>SEM</th>
<th>REC</th>
<th>RES/IND</th>
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</tbody>
</table>

- **Grading System**: Letter Grade  
- **Pass/Fail**

**Course Description**:  
Include course number, title, etc., exactly as it appears in the General Catalog

3427 Professional Selling (3) Prereq.: MKT 3401. Communication theory and sales principles needed for successful sales career; buyer behavior and sales tactics; sales strategies; communication in buyer-seller relationships.

---

**THESE QUESTIONS MUST BE ANSWERED COMPLETELY AND ACCURATELY OR PROPOSAL WILL BE RETURNED.**

- Has this change been discussed with and approved by all departments/colleges affected?  
  Yes (x)  No ( )  N/A ( )

- Is this course included in any curricula, concentrations, or minors?  
  Yes ( )  No (x)  If yes, please list on a separate sheet.

- Is this course a prerequisite or corequisite for other courses?  
  Yes ( )  No (x)  If yes, list courses; use separate sheet.

- Is this course on the General Education list?  
  Yes ( )  No (x)

**JUSTIFICATION/EXPLANATION**: Use separate sheet.

**Note**: IF COURSE IS OR WILL BE CROSS-LISTED, SEPARATE FORMS MUST BE SUBMITTED BY EACH DEPARTMENT.

**APPROvals:**

- **Department Faculty Approval Date**: Sept 7, 2012  
  **Alvin C. Burns**

- **College Faculty Approval Date**: 11/9/12  
  **RD White**

- **College Dean's Signature**:  
  **Chair, FS C & C Committee**  
  **Date**: 12/9/12

- **College Contact**
  **Contact E-mail**:  
  **Date**: 17/9/12

**Academic Affairs Approval**  
**Date**: 17/9/12
Reason for Course Name Change for MKT 3427

There are two reasons for the proposed name change. First, in the past 30 years, professional selling has become a major focus of some departments of marketing. In fact, there are several U.S. colleges of business such the University of Houston, Baylor University, Fullerton University, and Indiana University that have sales excellence institutes or centers for sales excellence. The University Sales Center Alliance lists 35 full and associate member universities. Consequently, the LSU Department of Marketing wishes to change the course title of MKT 3427 to “Professional Selling” to be consistent with other colleges of business. Second, it has come to the Department’s attention that some students who enroll in MKT 3427, “Buyer Seller Communication,” do not understand that the course content is primarily devoted to professional selling. They may be confusing it with a mass communications emphasis or perhaps a communication-across-the-curriculum (CXC) course, and this confusion has been noted by the current instructor of record, Mr. James Parr, as a significant learning hindrance. It is believed that the change in the course title to “Professional Selling” will alleviate this confusion on the part of students.
Request for CHANGING an Existing Course

Present Course Description
Title: Advanced Calculus II
Semester Hours of Credit: 3
If lecture/lab, # hrs. of credit for lecture: _____ lab: _____
Repeat Credit Max (if repeatable): _____
Graduate Credit? Yes: _____ No: _____
Credit will not be given for this course and:

Contact Hours Per Week (from ACM):
LEC 3 LAB 0 SEM RES/IND CLIN/PRAC
Total Weekly Contact Hours: 3
Grading System: Letter Grade X Pass/Fail _____
Course Description: Include course number, title, etc., exactly as it appears in the General Catalog:
4032 Advanced Calculus II (3) Derivative, including uniform convergence, the mean value theorem and Taylor's Theorem; absolute and uniform convergence of series, completeness of sequence spaces, dual spaces; real analytic functions; functions of bounded variation, the Stieltjes integral and the dual of C [a,b].

Proposed Course Description
Title: Advanced Calculus II
Semester Hours of Credit: 3
If lecture/lab, # hrs. of credit for lecture: _____ lab: _____
Repeat Credit Max (if repeatable): _____
Graduate Credit? Yes: _____ No: _____
Credit will not be given for this course and:

Contact Hours Per Week:
LEC 3 LAB 0 SEM RES/IND CLIN/PRAC
Total Weekly Contact Hours: 3
Grading System: Letter Grade X Pass/Fail _____
Course Description: Include course number, title, etc., exactly as it appears in the General Catalog:
4032 Advanced Calculus II (3) Prereq.: Math 4031 or equivalent. Derivative, including uniform convergence, the mean value theorem and Taylor's Theorem; absolute and uniform convergence of series, completeness of sequence spaces, dual spaces; real analytic functions; functions of bounded variation, the Stieltjes integral and the dual of C [a,b].

These questions must be answered completely and accurately or proposal will be returned.
Has this change been discussed with and approved by all departments/colleges affected? Yes ( ) No ( ) N/A (X)
Is this course included in any curricula, concentrations, or minors? Yes (X) No ( )
Is this course a prerequisite or corequisite for other courses? Yes (X) No ( )
Is this course on the General Education list? Yes ( ) No (X)
Justification/Explanation: Use separate sheet.
Note: If course is or will be cross-listed, separate forms must be submitted by each department.

Approvals:
Department Faculty Approval Date August 30, 2011
Department Chair's Signature Oct. 12, 2012
Graduate Dean's Signature
College Faculty Approval Date 10/30/12
College Dean's Signature 11/24/12
Chair, FS C & C Committee 12/4/12
Academic Affairs Approval 1/27/12
Justification

The proposal here on this Form C is to mention the prereq of Math 4032, namely, “Math 4031 or equivalent.” This prereq was listed in the 2003-2004 catalog and earlier catalogs. In the 2004-2005 catalog, the list of topics in Math 4032 was changed (which was intended), but by some clerical error the prereq to Math 4032 got dropped in the process, never to reappear (till now). So one reason to restore the old prereq is to respect tradition. The other reason is that Math 4031 and 4032 are a 2-semester sequence (Advanced Calculus I and Advanced Calculus II, respectively). So, Math 4031 is the ideal prereq for Math 4032.

Courses, Curricula, Colleges, Offices, Concentrations, and Minors that mention Math 4032

A. College of Science

A.2. Curriculum in Math (Department of Math).
A.3. Concentration in Computational Mathematics, Curriculum in Math (Department of Math).
A.4. Concentration in Mathematics, Curriculum in Math (Department of Math).
A.5. Concentration in Secondary Education, Curriculum in Math (Department of Math).
Request for CHANGING an Existing Course

Department: Mathematics
Course Rubric and #: Math 7520
College: Science
Date: 10-23-2012

Present Course Description

Title: Algebraic Topology

Semester Hours of Credit: 3
If combination course type, # hrs. of credit for lecture: lab/sem /rec:
Repeat Credit Max (if repeatable): Yes: X No:
Graduate Credit?: Yes: X No:
Credit will not be given for this course and:
Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC 3 LAB ___ SEM ___ REC ___ RES/IND ___ CLIN/PRACT ___
Total Weekly Contact Hours: 3
Grading System: Letter Grade X Pass/Fail

Course Description:
Include course number, title, etc., exactly as it appears in the General Catalog.
7520 Algebraic Topology (3) Prereq.: MATH 7200 and 7510 or equivalent. Basic concepts of homology, cohomology, and homotopy theory.

Proposed Course Description

Title: Algebraic Topology
Short Title: ALGEBRAIC TOPOLOGY
Semester Hours of Credit: 3
If combination course type, # hrs. of credit for lecture: lab/sem /rec:
Repeat Credit Max (if repeatable): Yes: X No:
Graduate Credit?: Yes: X No:
Credit will not be given for this course and:
Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC 3 LAB ___ SEM ___ REC ___ RES/IND ___ CLIN/PRACT ___
Total Weekly Contact Hours: 3
Grading System: Letter Grade X Pass/Fail

Course Description:
Include course number, title, etc., exactly as it appears in the General Catalog.
7520 Algebraic Topology (3) Prereq.: MATH 7210 and 7510 or equivalent. Basic concepts of homology, cohomology, and homotopy theory.

These questions must be answered completely and accurately or proposal will be returned.
Has this change been discussed with and approved by all departments/colleges affected? Yes ( ) No ( ) N/A ( )
Is this course included in any curricula, concentrations, or minors? Yes ( ) No (X) If yes, please list on a separate sheet.
Is this course a prerequisite or corequisite for other courses? Yes ( ) No (X) If yes, list courses; use separate sheet.
Is this course on the General Education list? Yes ( ) No (X)

Justification/Explanation: Use separate sheet.

Note: If course is or will be cross-listed, separate forms must be submitted by each department.

Approvals:
Department Faculty Approval Date: Aug. 29, 2011
Department Chair’s Signature: (Date) Charley H. Gelb
College Faculty Approval Date: 10/30/12
College Dean’s Signature: (Date) J. Craig
Graduate Dean’s Signature: (Date) Y. M. Lee
College Contact: Kim Kubicek (Please print name)
College Contact E-mail: Kkubicek@isu.edu
Academic Affairs Approval: (Date)
This proposal is to replace Math 7520’s prereq of Math 7200 by Math 7210. The reason is that Math has submitted a Form B to drop Math 7200. Math 7210 is the replacement of Math 7200.
Request for CHANGING an Existing Course

Department: Mathematics
Course Rubric and #: Math 7370

College: Science
Date: 10-23-2012

Present Course Description
Title: Lie Groups and Representation Theory
Semester Hours of Credit: 3

Proposed Course Description
Title: Lie Groups and Representation Theory
Semester Hours of Credit: 3

Repeat Credit Max (if repeatable): X
Graduate Credit? Yes: No:
Credit will not be given for this course and: 
Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC 3 LAB SEM REC
Total Weekly Contact Hours: 3
Grading System: Letter Grade X Pass/Fail

Course Description:
Include course number, title, etc. exactly as it appears in the General Catalog.

7370 Lie Groups and Representation Theory (3)
Prereq.: MATH 7510 or equivalent. Lie groups, Lie algebras, subgroups, homomorphisms, the exponential map. Also topics in finite and infinite dimensional representation theory.

THESE QUESTIONS MUST BE ANSWERED COMPLETELY AND ACCURATELY OR PROPOSAL WILL BE RETURNED.
Has this change been discussed with and approved by all departments/colleges affected? Yes ( ) No ( ) N/A (X)
Is this course included in any curriculum, concentrations, or minors? Yes ( ) No (X) If yes, please list on a separate sheet.
Is this course a prerequisite or corequisite for other courses? Yes ( ) No (X) If yes, list courses; use separate sheet.
Is this course on the General Education list? Yes ( ) No (X)

JUSTIFICATION/EXPLANATION: Use separate sheet.

Note: IF COURSE IS OR WILL BE CROSS-LISTED, SEPARATE FORMS MUST BE SUBMITTED BY EACH DEPARTMENT.

APPROVALS:
Department Faculty Approval Date: Aug. 29, 2011
Department Chair's Signature: Oct. 23, 2012

Graduate Dean's Signature: (Date)
College Contact: Kim Kubicek
(Please print name.)
College Contact E-mail: kkubicek@isu.edu

College Faculty Approval Date: 10/30/12
College Dean's Signature: (Date)
Chair, FS C & C Committee: (Date)
Academic Affairs Approval: 12/17/12
Justification

This proposal is to change two of the prereqs for Math 7370.

(1) We are replacing the prereq Math 7200 with Math 7210. The reason is that Math has submitted a Form B to drop Math 7200. Math 7210 is the replacement of Math 7200.

(2) We are also replacing the prereq Math 7312 with Math 7311. The reason is that a year ago Math changed the catalog description of Math 7311, making it a more natural prereq than Math 7312.
Request for CHANGING an Existing Course

Department: School of Kinesiology
Course Rubric and #: KIN 3804
College: Human Sciences & Education
Date: 2/27/12

Present Course Description
Title: Financial Issues in Sport

Semester Hours of Credit: 3
If lecture/lab, # hrs. of credit for lecture: ___

Repeat Credit Max (if repeatable): ___
Graduate Credit? Yes: ___ No: X
Credit will not be given for this course and:

Contact Hours Per Week (from ACM):
LEC 3 LAB ___ SEM ___ RES/IND ___ CLIN/PRACT ___
Total Weekly Contact Hours: ___
Grading System: Letter Grade X Pass/Fail ___

Course Description:
Include course number, title, etc., exactly as it appears in the General Catalog
3804 Financial Issues in Sport (3) Prereq.: ACCT 2000; credit will not be given for this course and FIN 3715 or 3716. Application of sound financial concepts in sport management and sport operation.

Proposed Course Description
Title: Financial Issues in Sport

Semester Hours of Credit: 3
If lecture/lab, # hrs. of credit for lecture: ___

Repeat Credit Max (if repeatable): ___
Graduate Credit? Yes: ___ No: X
Credit will not be given for this course and:

Contact Hours Per Week:
LEC 3 LAB ___ SEM ___ RES/IND ___ CLIN/PRACT ___
Total Weekly Contact Hours: ___
Grading System: Letter Grade X Pass/Fail ___

Course Description:
Include course number, title, etc., exactly as it will appear in the General Catalog
3804 Financial Issues in Sport (3) Prereq.: ACCT 2000; credit will not be given for this course and FIN 3715 or 3716. Application of sound financial concepts in sport management and sport operation.

Has this change been discussed with and approved by all departments/colleges affected? Yes (X) No ( ) N/A ( )
Is this course included in any curricula, concentrations, or minors? Yes (X) No ( )
If yes, please list on a separate sheet.
Is this course a prerequisite or corequisite for other courses? Yes ( ) No (X)
If yes, list courses; use separate sheet.
Is this course on the General Education list? Yes ( ) No (X)

JUSTIFICATION/EXPLANATION: Use separate sheet.

Note: IF COURSE IS OR WILL BE CROSS-LISTED, SEPARATE FORMS MUST BE SUBMITTED BY EACH DEPARTMENT.

APPROVALS:
Department Faculty Approval Date: 3-2-12
Department Chair's Signature: 3-2-12

Graduate Dean's Signature: (Date)

College Faculty Approval Date: 9-12-12
College Dean's Signature: (Date)
Chair, FS C & C Committee: 12/11/12

Academic Affairs Approval: (Date)
Justification for catalogue descriptor change for KIN 3804:

At the time of the inception of the Sport Administration degree in the Fall 2009 – it was agreed upon that students could not receive credit for both KIN 3804: Financial Issues in Sport and FIN 3715: Business Finance or FIN 3716: Financial Management because of the perceived similar nature of the courses. At the time, KIN 3804: Financial Issues in Sport had not been taught because the degree was in its infancy and the decision was made based on the syllabus (which has since been modified based on assessment). So, after teaching it for several semesters, this change is prompted as a result of exit interviews and program assessment by the Sport Commerce students in which students have indicated the need for KIN 3804: Financial Issues in Sport that focuses on application of financial concepts specific to sport operations in the sport industry and an introductory course in FIN 3715: Business Finance or FIN 3716 Financial Management. KIN 3804: Financial Issues in Sport, FIN 3715: Business Finance, and FIN 3716: Financial Management, were reviewed at a meeting by faculty from both departments and then interdepartmentally within the Finance faculty and all parties agreed that the courses were not similar in nature and thus the credit restriction can be removed from the catalogue so the students could benefit from the material in each of the courses. There is a letter of support attached from Dr. Hines.

This course is included in the Sport Administration curriculum.
To: Dorothy Jacobsen
Subject: RE: FW: Financial Management in Sports

From: Dorothy Jacobsen [mailto:djacob6@tigers.lsu.edu]
Sent: Thursday, September 20, 2012 1:08 PM
To: Casey H Bennett
Subject: FW: FW: Financial Management in Sports

This just came from Rob Hines.

Dee

Dee Jacobsen, Ph.D.
Assistant Professor, Professional Practice
Undergraduate Sport Administration Coordinator
School of Kinesiology
Louisiana State University
112 H.P. Long Fieldhouse
225-578-3548
djacob6@lsu.edu

From: Robert W Hines [mailto:nwhines@lsu.edu]
Sent: Thursday, September 20, 2012 1:06 PM
To: Dorothy Jacobsen
Subject: FW: FW: Financial Management in Sports

Dee,

Please see attached response from Carlos Slawson.

Robert Hines MA MS
Finance Instructor
E.J. Ourso College of Business
Louisiana State University
Phone 225 572 5713

-----Original Message-----
From: slawsonlsu@gmail.com on behalf of C. Slawson
Sent: Thu 9/20/2012 1:01 PM
To: Robert W Hines
Subject: Re: FW: Financial Management in Sports

Yes, as I see it, the only change is that students can now get credit in both KIN 3804 and FIN 3715/16. That is fine, given the known differences in the courses.
On Thursday, September 20, 2012, Robert W. Hines wrote:

> **
> > Carlos,
> > > Please read attached from Kinesiology. Does this look kosher to you?
> > >
> > > Robert Hines MA MS
> > > Finance Instructor
> > > E.J. Ourso College of Business
> > > Louisiana State University
> > > Phone 225 572-5713
> > >
> > >
> > > -----Original Message-----
> > > From: Casey H. Bennett [mailto:cbenne5@lsu.edu]
> > > Sent: Wed 9/19/2012 1:44 PM
> > > To: Dorothy Jacobsen
> > > Cc: Robert W. Hines
> > > Subject: RE: Financial Management in Sports
> > >
> > > Dr. Hines, the justification below was approved by the CHSE Courses and
> > > Curricula Committee for KIN 3804. Is this agreeable with you? Thank you.
> > >
> > > Justification for catalogue descriptor change for KIN 3804:
> > >
> > > At the time of the inception of the Sport Administration degree in the
> > > Fall 2009, it was agreed upon that students could not receive credit for
> > > both KIN 3804: Financial Issues in Sport and FIN 3715: Business Finance or
> > > FIN 3716: Financial Management because of the perceived similar nature of
> > > the courses. At the time, KIN 3804: Financial Issues in Sport had not been
> > > taught because the degree was in its infancy and the decision was made
> > > based on the syllabus (which has since been modified based on assessment).
> > > So, after teaching it for several semesters, this change is prompted as a
> > > result of exit interviews and program assessment by the Sport Commerce
> > > students in which students have indicated the need for KIN 3804: Financial
> > > Issues in Sport that focuses on application of financial concepts specific
> > > to sport operations in the sport industry and an introductory course in FIN
> > > 3715: Business Finance or FIN 3716 Financial Management. KIN 3804:
> > > Financial Issues in Sport, FIN 3715: Business Finance, and FIN 3716:
> > > Financial Management, were reviewed at a meeting by faculty from both
> > > departments and then interdepartmentally within the Finance faculty and all
> > > parties agreed that the courses were not similar in nature and thus the
> > > credit restriction can be removed from the catalogue so the students could
> > > benefit from the material in each of the courses. There is a letter of
> > > support attached from Dr. Hines.
> > >
> > > Warmest regards,
> > > Casey
> > >
> > > Casey H. Bennett
> > > LSU Staff Senator
> > > LSU College of Human Sciences & Education
> > > 221 Peabody Hall | Baton Rouge, LA 70803
> > > O:(225) 578-2208 | F: (225) 578-2267 | C: (225) 614-3440
> > > E: cbenne5@lsu.edu
> > >
From: Dorothy Jacobsen [mailto: djacob6@igers.lsu.edu <javascript: e({}, 'cvml', 'djacob6@igers.lsu.edu');>]
Sent: Wednesday, September 19, 2012 1:36 PM
To: Casey H Bennett
Subject: FW: Financial Management in Sports

Dee Jacobsen, Ph.D.
Assistant Professor, Professional Practice
Undergraduate Sport Administration Coordinator
School of Kinesiology
Louisiana State University
112 H.P. Long Fieldhouse
225-578-3548
djacob6@lsu.edu <javascript: e({}, 'cvml', 'djacob6@lsu.edu');><
mailto:djacob6@lsu.edu <javascript: e({}, 'cvml', 'djacob6@lsu.edu');>:

From: Robert W Hines [mailto: rhwhines@lsu.edu <javascript: e({}, 'cvml', 'rhwhines@lsu.edu');>]
Sent: Wednesday, September 19, 2012 9:48 AM
To: Dorothy Jacobsen
Subject: RE: Financial Management in Sports

Dee,

Can you send me a copy (or pdf) of what passed through your college so that I may have Dr. Slawson approve?

Robert Hines MA MS
Finance Instructor
E.J. Ourso College of Business
Louisiana State University
Phone 225 572 5713

-----Original Message-----
From: Dorothy Jacobsen [mailto: djacob6@igers.lsu.edu <javascript: e({}, 'cvml', 'djacob6@igers.lsu.edu');>]
Sent: Wed 9/19/2012 9:44 AM
To: Robert W Hines
Subject: RE: Financial Management in Sports

Thanks so much Rob. So, on our end I will still need the verbage to read just like it appears in the catalogue (that is with the course FIN 3716).
It has conditionally passed through my college with the addition of the FIN 3716.
Dee Jacobsen, Ph.D.
Assistant Professor, Professional Practice
Undergraduate Sport Administration Coordinator
School of Kinesiology
Louisiana State University
112 H.P. Long Fieldhouse
225-578-3548

djacob6@lsu.edu
mailto:djacob6@lsu.edu

From: Robert W Hines [mailto:rwhines@lsu.edu] Sent: Wednesday, September 19, 2012 8:10 AM
To: Dorothy Jacobsen
Subject: RE: Financial Management in Sports

Dee,

I did but we got sidetracked on another issue that may also solve our problem. I have been placed on the business college's courses and curricula committee to represent the Finance Dept. for this year (as of yesterday).
The C&C committee has a new president in Richard Stahl from the Economics Dept and it is my understanding that Dr. Houston has rotated off of the committee (or at least no longer attends). I think it may be wise to make another run in changing the course descriptions via the business college committee. I have a meeting today with a member of the committee and will get info in regards to our next meeting and plan to resubmit our requested change to the FIN 3715 and FIN 3716 catalog description.

Robert Hines MA MS
Finance Instructor
E.J. Ourso College of Business
Louisiana State University
Phone 225 572 5713

-----Original Message-----
From: Dorothy Jacobsen [mailto:djacob6@tigers.lsu.edu] Sent: Fri 9/14/2012 2:56 PM
To: Robert W Hines
Subject: FW: Financial Management in Sports

Hi Rob,
Were you able to speak to Dr. Slawson about the verbage in the course description of KIN 3804 - to include FIN 3716?

Dee

Dee Jacobsen, Ph.D.
Assistant Professor, Professional Practice
Undergraduate Sport Administration Coordinator
School of Kinesiology
Louisiana State University
112 H.P. Long Fieldhouse
225-578-3548

djacob6@lsu.edu

From: Dorothy Jacobsen [mailto:djacob6@tigers.lsu.edu]
Sent: Wednesday, September 12, 2012 12:06 PM
To: rwhines@lsu.edu
Subject: FW: Financial Management in Sports

Hi Rob,

This email (see below) was sent by you to Kathy Hill back in February regarding KIN 3804 and FIN 3715 after the faculty from both departments met to discuss the issue. It has come to my attention that the current catalogue also mentions FIN 3716 in that part of the course description that will be deleted. Would you be able to include FIN 3716 in the wording (see below) so that it will pass through CHSE courses and curricula. If you have any questions, please call me at 8-3548.

Thanks,

Dee
Dee Jacobsen, Ph.D.

Assistant Professor, Professional Practice

Undergraduate Sport Administration Coordinator

School of Kinesiology

Louisiana State University

112 H.P. Long Fieldhouse

225-578-3548

djacob6@lsu.edu <javascript: e({}, 'cvml', 'djacob6@lsu.edu');>
mailto:djacob6@lsu.edu <javascript: e({}, 'cvml', 'djacob6@lsu.edu');>

From: Katherine F Hill  mailto:khill@lsu.edu <javascript: e({}, 'cvml', 'khill@lsu.edu');>

Sent: Tuesday, February 14, 2012 9:16 AM
To: djacob6@tigers.lsu.edu <javascript: e({}, 'cvml', 'djacob6@tigers.lsu.edu');><mailto:djacob6@tigers.lsu.edu>; Chad Seifried; Brian P Sobecki
Subject: FW: Financial Management in Sports

FYI, what do you think? KH

-----

From: finance lsu2011@gmail.com <javascript: e({}, 'cvml', 'finance.lsu2011@gmail.com');><mailto:finance.lsu2011@gmail.com>; [mailto:finance lsu2011@gmail.com] <javascript: e({}, 'cvml', 'finance.lsu2011@gmail.com');] On Behalf
Of Finance Department

Sent: Tuesday, February 14, 2012 8:18 AM
To: Katherine F Hill
Subject: Financial Management in Sports

Kathy,

I have met with the Finance faculty in regards to the issue with FIN 3715. The department will agree to the removal of the restriction of credit in FIN 3715 and KIN 3804. The faculty that I met with had one additional recommendation. They thought that the Sport Commerce students would benefit from having FIN 3715 as one of the 12 hour required Sport Commerce courses. This will free the instructor in KIN 3804 to focus more on sports and less on financial mathematics.
> I will begin work shortly on the paperwork to change the catalog.
>
> Rob Hines
>
> <http://www.bus.lsu.edu/academics/finance/> Department of Finance
>
> <http://www.bus.lsu.edu/index.asp> E. J. Ourso College of Business
>
> <http://www.lsu.edu/> Louisiana State University
>
> <mailto:finance@lsu.edu>
> finance@lsu.edu <javascript:_e({}, 'cvm1', 'finance@lsu.edu');>
> mailto:finance@lsu.edu <javascript:_e({}, 'cvm1', 'finance@lsu.edu');>
>
> Facebook
> <http://www.facebook.com/pages/LSU-Department-of-Finance/139673968494>,
> Twitter <http://twitter.com/#%21/lsuFINANCE>
>
> <https://www.lsufoundation.org/contribute.php?opt1=12>
> <https://www.lsufoundation.org/contribute.php?opt1=12&opt2=126> &opt2=126
> Donate to
> LSU Finance Today!
>
> Update your Alumni information <http://www.bus.lsu.edu/alumni/update.asp>
> Text 225-242-9206 with any questions
Kathy,

I have met with the Finance faculty in regards to the issue with FIN 3715. The department will agree to the removal of the restriction of credit in FIN 3715 and KIN 3804. The faculty that I met with had one additional recommendation. They thought that the Sport Commerce students would benefit from having FIN 3715 as one of the 12 hour required Sport Commerce courses. This will free the instructor in KIN 3804 to focus more on sports and less on financial mathematics.

I will begin work shortly on the paperwork to change the catalog.

Rob Hines
Request for CHANGING an Existing Course

Department Math College Science
Course Rubric and # Math 2090 Date 9-18-2012

Present Course Description
Title Elementary Differential Equations and Linear Algebra
Semester Hours of Credit 4
If lecture/lab, # hrs. of credit for lecture: _____ lab: _____
Repeat Credit Max if repeatable: _____ X _____
Graduate Credit? Yes: _____ No: _____

Credit will not be given for this course and: Math 2065, 2070, 2085, or 2086.
Contact Hours Per Week (from ACM): LEC 4 LAB 0 SEM RES/IND CLIN/PRACT
Total Weekly Contact Hours: 4
Grading System: Letter Grade X Pass/Fail

Proposed Course Description
Title Elementary Differential Equations and Linear Algebra
Short Title DIF FEQ & LIN ALGEBR
Semester Hours of Credit 4
If lecture/lab, # hrs. of credit for lecture: _____ lab: _____
Repeat Credit Max if repeatable: _____ X _____
Graduate Credit? Yes: _____ No: _____

Credit will not be given for this course and: Math 2065, 2070, 2085, or 2086.
Contact Hours Per Week: LEC 4 LAB 0 SEM RES/IND CLIN/PRACT
Total Weekly Contact Hours: 4
Grading System: Letter Grade X Pass/Fail
Course Description:

2090 Elementary Differential Equations And Linear Algebra
(4) F,S,Su Prereq.: MATH 1552. Credit will be given for only one of the following: MATH 2065, 2070, 2090. Credit will not be given for both this course and MATH 2085 or 2086. Introduction to first order differential equations, linear differential equations with constant coefficients, and systems of differential equations; vector spaces, linear transformations, matrices, determinants, linear dependence, bases, systems of equations, eigenvalues, eigenvectors, Laplace transforms, and Fourier series.

THESE QUESTIONS MUST BE ANSWERED COMPLETELY AND ACCURATELY OR PROPOSAL WILL BE RETURNED.

Has this change been discussed with and approved by all departments/colleges affected? Yes ( ) No ( ) N/A ( )
Is this course included in any curricula, concentrations, or minors? Yes ( ) No ( ) If yes, please list on a separate sheet.
Is this course a prerequisite or corequisite for other courses? Yes ( ) No ( ) If yes, list courses; use separate sheet.
Is this course on the General Education list? Yes ( ) No ( )

JUSTIFICATION/EXPLANATION: Use separate sheet.

Note: IF COURSE IS OR WILL BE CROSS-LISTED, SEPARATE FORMS MUST BE SUBMITTED BY EACH DEPARTMENT.

APPROVALS:
Department Faculty Approval Date August 30, 2011
Charles D. Reffell Sept 18, 2012
Department Chair’s Signature (Date)

Graduate Dean’s Signature (Date)

College Faculty Approval Date 11/6/12
College Dean’s Signature (Date)
Chair, FS C & C Committee 12/4/12

Academic Affairs Approval (Date)
This Form C proposes to drop “Fourier series” from the list of topics covered in Math 2090. In the 1998-1999 catalog, and in many earlier catalogs, the description of Math 2090 did not mention Laplace transforms or Fourier series; then, as now, Math 2090 was a 4-hour course. Then, in the 1999-2000 catalog, Laplace and Fourier were added, but Math 2090 still remained a 4-hour course; the only gesture of a corresponding reduction of other material to be covered was to replace the topic “first order differential equations” with “introduction to first order differential equations.” The result has been an overloaded syllabus since 2000, requiring the teacher either to race through the course and leave the students far behind, or to skip one or more topics—most commonly Fourier series, and occasionally even Laplace transforms as well. Our understanding is that the College of Engineering does not want Math 2090 to be increased to a 5-hour course. Last year a committee of five recent teachers of Math 2090 developed a list of topics to be covered in Math 2090, which we reproduce below. Fourier series are not on that list. We are not aware of any other university offering a 4-hour course that purports to cover all the topics that our Math 2090 currently purports to cover (though we have not checked too many other universities). Furthermore, Math 2090 is supposed to be a 4-hour equivalent to the \((3 + 3 = 6)\)-hour combination of Math 2065 (Elementary Differential Equations) and Math 2085 (Linear Algebra); and neither Math 2065 nor Math 2085 mention Fourier series. If we don’t have time for Fourier in either Math 2065 or 2085, then why should we try to cover Fourier in a 4-hour equivalent course?

Text currently being used in Math 2090: Stephen W. Goode and Scott A. Annin, *Differential Equations and Linear Algebra*, Third Edition. Detailed list of topics and sections from this textbook that the committee recommends covering in Math 2090:

**First-Order Differential Equations**
1.2 Basic Ideas and terminology
1.4 Separable Differential Equations
1.6 First Order Linear Differential Equations
1.9 Exact Differential Equations

**Matrices and Systems of Linear Equations**
2.1 Matrices: Definitions and Notations
2.2 Matrix Algebra
2.4 Elementary Row Operations and Row-Echelon Matrices
2.5 Gaussian Elimination
2.6 Inverse of a Square Matrix

**Determinants**
3.1 The definition of the Determinant
3.2 Properties of the Determinant
3.3 Cofactor Expansions

**Vector Spaces**
4.2 Definition of a Vector Space
4.3 Subspaces
4.4 Spanning Sets
4.5 Linear Dependence and Linear Independence
4.6 Bases and Dimension

**Linear Transformations**
5.1 Definition of a Linear Transformation
5.3 The Kernel and Range of a Linear Transformation
5.6 The Eigenvalue/Eigenvector Problem
5.7 General Results for Eigenvalues and Eigenvectors

**Linear Differential Equations of Order $n$**
6.1 General Theory for Linear Differential Equations
6.2 Constant-Coefficient Homogeneous Linear Differential Equations
6.3 The Method of Undetermined Coefficients. Annihilators
6.7 The Variation of Parameters

**Systems of Differential Equations**
7.1 First-Order Linear Systems
7.2 Vector Formulation
7.3 General Results for First-Order Linear Differential Systems
7.4 Vector Differential Equations: Non-defective Coefficient Matrix
7.6 Variation of Parameters for Linear Systems

**The Laplace Transform and Some Elementary Applications**
8.1 Definition of Laplace Transform
8.2 Existence of the Laplace Transform and Inverse Transform
8.4 The Transform of Derivatives and Solution of Initial-Value Problems
8.5 The First Shifting Theorem
8.6 The Unit Step Function
8.7 The Second Shifting Theorem

Optional topics that could be taught at the discretion of the instructor:
1.8 Change of Variables. Homogeneous Equations. Bernoulli's Equation
1.11 Some Higher-Order Differential Equations
5.8 Diagonalization
5.9 An introduction to the Matrix Exponential Function
6.9 Reduction of Order
Courses, Curricula, Colleges, Offices, Concentrations, and Minors that mention Math 2090

A. College of Engineering
A.1. Curriculum in Chemical Engineering (Department of Chemical Engineering).
A.2. Curriculum in Computer Science (Division of Computer Science & Engineering).
A.3. Curriculum in Computer Engineering (Division of Electrical & Computer Engineering).
A.5. Curriculum in Industrial Engineering (Dept. of Mechanical & Industrial Engineering).
A.6. Curriculum in Mechanical Engineering (Dept. of Mechanical & Industrial Engineering).
A.7. CHE 2176, 3101, 3102.
A.8. CE 4450.
A.9. CSC 4512.
A.10. EE 2120, 2130, 3140, 4730, 4745.
A.11. IE 3520.
A.12. ME 3143, 3834, 4143, 4163, 4183, 4433, 4843.

B. College of Science
B.1. Concentration in Chemical Physics, Curriculum in Chemistry (Department of Chemistry).
B.2. Concentration in Geophysics, Curriculum in Geology (Department of Geology & Geophysics).
B.3. Concentration in Computational Mathematics, Curriculum in Math (Department of Math).
B.4. Minor in Mathematics (Department of Mathematics).
B.5. Curriculum in Physics (Department of Physics & Astronomy).
B.6. CHEM 3491.
B.7. GEOL 7065.
B.8. MATH 2065, 2070, 2085, 2086, 3903, 4038, 4064, 4066, 4325, 4340, 4345, 4470.
B.9. NS 4411.
B.10. PHYS 2231, 2411, 4112, 4125, 4135, 4141.
Approvals of affected units

Date: Sat, 6 Oct 2012 17:53 -0500 (CDT)
From: Charles N. Delzell <delzell@math.lsu.edu>
To: "Martin A. Hjortso" <hjortso@lsu.edu>, "David M. Wetzel" <dwetzel@lsu.edu>,
    Coretta Douglas <douglass@csc.lsu.edu>, John Scalzo <jscalzo@lsu.edu>,
    "Jack E. Helms" <jhelms1@lsu.edu>, Sherif Ishak <sishak@lsu.edu>,
    Warren Waggenspack <mewagg@me.lsu.edu>, "Linda R. Allen" <lallen3@lsu.edu>,
    Carol Wicks <cwicks@lsu.edu>, Dana Browne <browne@phys.lsu.edu>
Cc: Robert Perlis <perlis@math.lsu.edu>
Parts/Attachments: 86 KB Application, "FormC-Math2090-2012-09-19.doc"
Subj : Requesting approval 2 drop mention of Math 2070 & Fourier series from Math 2090.

Dear
Martin A. Hjortso (Undergrad Coordinator, Chemical Engineering,
according to www.che.lsu.edu/ourdepartment/contactinfo.htm ),
David M. Wetzel (Undergrad Coordinator, Chemical Engineering,
according to www.che.lsu.edu/faculty/index.htm ),
Coretta Douglas (Undergraduate Coordinator, Dept. of Computer Science),
John Scalzo (Undergrad Advisor, Div. of Electrical & Computer Engin.),
Jack E. Helms (Undergrad Coordinator, Dept. of Mechanical Engineering),
Sherif Ishak (Civil Engineering Undergrad Program Coordinator),
Warren Waggenspack (Assoc. Dean for Acad. Programs, Coll. Engineering),
Linda R. Allen (Director of Undergrad Laboratories, Dept. of Chemistry),
Carol Wicks (Chair, Dept. of Geology & Geophysics),
Dana Browne (Associate Chair, Dept. of Physics & Astronomy),

The Math Department is proposing two changes to the catalog description of Math 2090
(Elementary Differential Equations and Linear Algebra):
(1) drop the mention of Math 2070 (Mathematical Methods in Engineering); and
(2) drop "Fourier series" from the list of topics covered in Math 2090.
I attach the Form C, with the details.

Each of your units has some curriculum. minor, course, or catalog page that mentions Math 2090
(see page 5 of the attached Form C for details). So I notify your respective offices.

Would you please confirm that this change is acceptable to your unit?
Alternatively, I would be pleased to discuss any concerns that you might have about this proposal.

Thanks.

Sincerely,

Charles Delzell
Associate Chair for Instruction
Department of Mathematics
578-1619
[Added Nov. 6, 2012: At the time of the above email, Math was planning to drop Math 2070 from the catalog; that plan was later dropped.]

Date: Sun, 7 Oct 2012 21:25 -0500
From: "Jack E. Helms, Jr." <helms@me.lsu.edu>
To: Charles N. Delzell <delzell@math.lsu.edu>
Subj: Re: Requesting approval 2 drop mention of Math 2070 & Fourier series from Math 2090.

Dr. Delzell,

ME is aware of the proposed changes to MATH 2090 and has no objections. We support the changes.

Jack Helms

Jack E. Helms, Ph.D., P.E.
Professional-in-Residence & Undergraduate Coordinator & ABET Coordinator
Mechanical Engineering Department
2210 Patrick F. Taylor Hall
Louisiana State University
Baton Rouge, LA 70803
Phone: 225-578-6299
Fax: 225-578-5924

Date: Mon, 8 Oct 2012 11:59 +0000
From: Carol Wicks <cwicks@lsu.edu>
To: Charles N. Delzell <delzell@math.lsu.edu>
Subj: RE: Requesting approval 2 drop mention of Math 2070 & Fourier series from Math 2090.

Charles,

The Department of Geology and Geophysics confirms that the change is acceptable.

Carol Wicks

225-578-2692 (office)
225-223-2846 (cell)
Chair and Frank W. and Patricia Harrison Family Professor
Department of Geology and Geophysics
E235 Howe-Russell-Kniffen Geoscience Complex
College of Science
Louisiana State University
Baton Rouge LA 70803
The Chemistry Department approves the changes you have outlined in the course description/course coverage of MATH 2090.

Sincerely,
Linda R. Allen, PhD
Director of Undergraduate Laboratories
Undergraduate Chemistry Office
Department of Chemistry
College of Science
LSU
Lallen3@lsu.edu

The Division of Computer Science and Engineering has no objections to the 2 changes proposed for MATH 2090.

Regards,
Coretta

Coretta Douglas, Ph.D. Computer Science
Undergraduate/Instructional Coordinator and Instructor
School of Electrical Engineering and Computer Science
** Computer Science and Engineering **
Patrick Taylor #3170
Date: Thu, 25 Oct 2012 23:09:34 -0500 (CDT)
From: Charles N. Delzell <delzell@math.lsu.edu>
To: Martin A. Hjortso <hjortso@lsu.edu>, David M. Wetzel <dwetzel@lsu.edu>,
    John Scalzo <jscalzo@lsu.edu>, Sherif Ishak <sishak@lsu.edu>,
    Dana Browne <associatechair@phys.lsu.edu>, browning@phys.lsu.edu
Cc: Robert Perlis <perlis@math.lsu.edu>
Subject: Second request for approval 2 drop mention of Math 2070 & Fourier series from Math 2090.

Dear

Martin A. Hjortso (Undergrad Coordinator, Chemical Engineering, according to www.che.lsu.edu/ourdepartment/contactinfo.htm ),
David M. Wetzel (Undergrad Coordinator, Chemical Engineering, according to www.che.lsu.edu/faculty/index.htm ),
John Scalzo (Undergrad Advisor, Div. of Electrical & Computer Engin.),
Sherif Ishak (Civil Engineering Undergrad Program Coordinator),
Dana Browne <associatechair@phys.lsu.edu>,

I received no reply from you to my Oct. 6 message below.
That message had an attached Form C (not re-attached here).

Sincerely,
Charles Delzell
578-1619

Date: Fri, 26 Oct 2012 11:24:00 +0000
From: Sherif S Ishak <sishak@lsu.edu>
To: Charles N. Delzell <delzell@math.lsu.edu>
Subject: Re: Second request for approval 2 drop mention of Math 2070 & Fourier series from Math 2090.

Ok with me.

Sent from iPad

Sherif Ishak, Ph.D.
Associate Professor
Undergraduate Programs Coordinator
3418A Patrick F. Taylor Hall
Civil and Environmental Engineering
Louisiana State University
Baton Rouge, LA 70803
Phone: 225-578-4846
Personal Website
Experience: that most brutal of teachers. But you learn, my God do you learn.
C. S. Lewis
Date: Fri, 26 Oct 2012 07:40:09 -0500
From: Dana Browne <browne@phys.lsu.edu>
To: Charles N. Delzell <delzell@math.lsu.edu>
Subject: Re: Second request for approval to drop mention of Math 2070 & Fourier series from Math 2090.

The department has reviewed your alteration. We approve of this change.

Date: Fri, 26 Oct 2012 13:15:08 +0000
From: Martin A Hjortso <hjortso@lsu.edu>
To: Charles N. Delzell <delzell@math.lsu.edu>
Subject: RE: Second request for approval to drop mention of Math 2070 & Fourier series from Math 2090.

Charles,

I am sorry. I was told that the COE academic matters committee would take up this issue and I assumed they would get back with you. I was never told what the committee decided, but I will find out and let you know.

Martin A. Hjortso,
Chevron and Clarence E. Elt Jr Professor of Chemical Engineering
Louisiana State University
Baton Rouge, LA 70803
Voice: (225) 578-3058
Fax: (225) 578-1476
e-mail: hjortso@lsu.edu

Date: Fri, 26 Oct 2012 19:58:15 +0000
From: Martin A Hjortso <hjortso@lsu.edu>
To: Charles N. Delzell <delzell@math.lsu.edu>
Subject: RE: Second request for approval to drop mention of Math 2070 & Fourier series from Math 2090.

Charles,

Heard back from the COE academic matters committee. They conclusion was that "the math department is going to make the change even if we do not want it. So--there was no use discussing it". I guess that means we (chemical engineering) will approve the change.

Martin A. Hjortso,
Chevron and Clarence E. Elt Jr Professor of Chemical Engineering
Louisiana State University
Baton Rouge, LA 70803
Voice: (225) 578-3058
Fax: (225) 578-1476
e-mail: hjortso@lsu.edu
Dr. Ajmera, Dr. Rai and I are going to meet Monday to discuss. Losing the Fourier series in computer engineering could be a problem.
Request for CHANGING an Existing Course

Department: Mathematics
Course Rubric and #: Math 2203

Present Course Description
Title: Measurement: Proportional and Algebraic Reasoning
Semester Hours of Credit: 3

Proposed Course Description
Title: Measurement: Proportional and Algebraic Reasoning
Semester Hours of Credit: 3

2203 Measurement: Proportional and Algebraic Reasoning (3)
Prereq: Professional Practice I Block, 12 sem. hrs. of mathematics including MATH 1201 and 1202, and concurrent enrollment in EDCE 3125 AND 3126. 2 hrs. lecture, 2 hrs. lab/field experience (as part of Professional Practice II Block); Mathematics content course designed to be integrated in Praxis II with the principles and structures of mathematical reasoning applied to the grades 1-6 classroom. Development of a connected, balanced view of mathematics; application of measurable attributes of objects and the units, systems and processes of measurement; appropriate techniques, tools and formulas of measurement; interrelationship of patterns, relations, and functions; applications of proportional and algebraic reasoning in mathematical situations and structures using contextual, numeric, graphic and symbolic representations; written communication of mathematics.

These questions must be answered completely and accurately or proposal will be returned.

Has this change been discussed with and approved by all departments/colleges affected? Yes (X) No ( ) N/A ( )
Is this course included in any curricula, concentrations, or minors? Yes (X) No ( ) If yes, list or a separate sheet
Is this course a prerequisite or corequisite for other courses? Yes ( ) No (X) If yes, list courses; use separate sheet
Is this course on the General Education list? Yes ( ) No (X)

Justification/Explanation: Use separate sheet.

Note: If course is or will be cross-listed, separate forms must be submitted by each department.

Department Faculty Approval Date: Oct. 25, 2012
Department Chair’s Signature: (Date)
Graduate Dean’s Signature: (Date)

College Faculty Approval Date: (Date)
College Dean’s Signature: (Date)
Chair, FSC & C Committee: (Date)

Academic Affairs Approval: (Date)

College Contact: KIM KUBICEK
College Contact E-mail: KIKUBICEK@ISU.EDU
Courses and Curricula mentioning Math 2203

Math 2203 is a teacher preparation course required for students in the Elementary Grades Education curriculum (in the College of Human Sciences & Education). Also, Math 2203 is a prerequisite for EDCI 3124 and 3125.

Justification for changing the catalog description

Recently, 48 states including Louisiana adopted the new Common Core State Standards (CCSS). The CCSS will be used to guide the K-12 curriculum. All LSU math courses that are relevant to elementary teacher preparation (namely, Math 1201, 1202, and 2203) therefore need to be aligned with the CCSS. We are therefore submitting Form C’s to update the catalog description of these three courses so as to align them with the new CCSS. For details on the proposed list of topics in Math 1201, 1202, and 2203 and how they align with the CCSS, see:

http://www.corestandards.org/Math/Content/5/introduction
Approval of affected units

Date: Wed, 24 Oct 2012 00:01 -0500 (CDT)
From: Charles N. Deizell <deizell@math.lsu.edu>
To: David Kirshner <dkirsh@lsu.edu>
Cc: Robert Perlis <perlis@math.lsu.edu>
Subj: Requesting approval 2 change Math 2203.
Parts/Attachments: 62 KB Application, "FormC-Math2203-2012-10-23.doc"

Dear David,

The Math Department is proposing to change the list of topics in the catalog description of Math 2203: I attach the Form C, with the details.

Your Elementary Grades Education curriculum, as well as your EDCI 3124 and 3125 courses, mention Math 2203.

Would you please confirm that this change is acceptable to your unit? If so, a simple email from you or one of your administrators would suffice. Alternatively, I would be pleased to discuss any concerns that you might have about this proposal.

Thanks.

Sincerely,

Chip
578-1619

[ Part 2, "FormC-Math2203-2012-10-23.doc" Application/MSWORD (Name: "FormC-Math2203-2012-10-23.doc") 62 KB. ]
Date: Wed, 24 Oct 2012 20:31:48 +0000
From: David H Kirshner <dkirsh@lsu.edu>
To: Charles N. Delzell <delzell@math.lsu.edu>
Cc: Robert Perlis <perlis@math.lsu.edu>, Earl H Cheek <echeek@lsu.edu>,
    Patricia D Exner <pexner@lsu.edu>, Jacqueline Bach <jbach@lsu.edu>,
    Jennifer L Jolly <jjolly@lsu.edu>
Subject: FW: Requesting approval 2 change Math 2203.
Parts/Attachments: 65 KB Application, "FormC-Math2203-2012-10-23.doc"

   Chip,
   Your updating of the catalog description of MATH 2203 in accordance with
   CCSS standards causes no disruption to SoE programs and is approved.
   Now that our NCATE site visit is done over the next few days we will be
   working with various units across the campus—including Mathematics—to
   ensure that new state procedures for colleges and universities to align with
   CCSS are followed. The change to MATH 2203 will fit well with such efforts.
   David
# Request for CHANGING an Existing Course

**Department:** Mathematics  
**Course Number:** Math 1202  
**College:** Science  
**Date:** 10/25/2012

## Present Course Description
**Title:** Geometry, Reasoning and Measurement  
**Semester Hours of Credit:** 3  
**If combination course type, # hrs. of credit for lecture:**  
**Repeal Credit Max (if repeatable):** X  
**Graduate Credit:** Yes ( ) No (X)  
**Credit will not be given for this course and:***  
**Credit will not be given for this course and:**  
**Contact Hours Per Week: (Indicate hours in appropriate course type):**  
**LEC**  
**Total Weekly Contact Hours:** 3  
**Grading System:** Letter Grade (X) Pass/Fail

## Proposed Course Description
**Title:** Geometry, Reasoning and Measurement  
**Semester Hours of Credit:** 3  
**If combination course type, # hrs. of credit for lecture:**  
**Repeal Credit Max (if repeatable):** X  
**Graduate Credit:** Yes ( ) No (X)  
**Credit will not be given for this course and:**  
**Contact Hours Per Week: (Indicate hours in appropriate course type):**  
**LEC**  
**Total Weekly Contact Hours:** 3  
**Grading System:** Letter Grade (X) Pass/Fail

## Course Description:
Include course number, title, etc., exactly as it appears in the General Catalog.

**1202 Geometry, Reasoning and Measurement (3) Prereq.:** MATH 1201. Primarily for students in the elementary education Holmes curriculum. Synthetic and coordinate geometry in two and three dimensions; spatial visualization and counting procedures; symmetries and tilings; history of geometry; written communication of mathematics.

**1202 Geometry, Reasoning and Measurement (3) Prereq.:** MATH 1201. Primarily for students in the early childhood education PK-3 teacher certification curriculum or the elementary grades education curriculum. Geometry and measurement in two and three dimensions; similarity; congruence; Pythagorean Theorem; written communication of mathematics.

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**THESE QUESTIONS MUST BE ANSWERED COMPLETELY AND ACCURATELY OR PROPOSAL WILL BE RETURNED.**

Has this change been discussed with and approved by all departments/colleges affected? Yes (X) No ( ) N/A ( )  
Is this course included in any curriculum, concentrations, or minors? Yes (X) No ( ) If yes, please list on a separate sheet.  
Is this course a prerequisite or corequisite for other courses? Yes (X) No ( ) If yes, list courses; use separate sheet.  
Is this course on the General Education list? Yes ( ) No (X)

**JUSTIFICATION/EXPLANATION:** Use separate sheet.

**Note:** IF COURSE IS OR WILL BE CROSS-LISTED, SEPARATE FORMS MUST BE SUBMITTED BY EACH DEPARTMENT.

**APPROVALS:**

**Department Faculty Approval Date:** Oct. 25, 2012  
**Department Chair's Signature:**  
**Graduate Dean's Signature:**  
**College Contact:** Kim Kubicek  
**College Contact E-mail:** kkubicek@isu.edu  
**College Faculty Approval Date:**  
**College Dean's Signature:**  
**Chair, FS C & C Committee:**  
**Academic Affairs Approval:**
Courses and Curricula mentioning Math 1202

Math 1202 is a teacher preparation course required for students in the Early Childhood Education PK-3 curriculum and the Elementary Grades Education curriculum (both in the College of Human Sciences & Education). Also, Math 1202 is a prerequisite for EDCI 3124 and Math 2203.

Justification for changing the catalog description

Recently, 48 states including Louisiana adopted the new Common Core State Standards (CCSS). The CCSS will be used to guide the K-12 curriculum. All LSU math courses that are relevant to elementary teacher preparation (namely, Math 1201, 1202, and 2203) therefore need to be aligned with the CCSS. We are therefore submitting Form C’s to update the catalog description of these three courses so as to align them with the new CCSS. For details on the proposed list of topics in Math 1201, 1202, and 2203 and how they align with the CCSS, see:

http://www.corestandards.org/Math/Content/5/introduction
Approval of affected units

Date: Thu, 18 Oct 2012 09:12:30 -0500 (CDT)
From: Charles N. Delzell <delzell@math.lsu.edu>
To: David Kirshner <dkirsh@lsu.edu>
Cc: Robert Perlis <perlis@math.lsu.edu>
Subject: Requesting approval 2 change Math 1202.
Parts/Attachments: 62 KB Application, "FormC-Math1202-2012-09-11.doc"

Dear David,

The Math Department is proposing to change the list of topics in the catalog description of Math 1202; I attach the Form C, with the details.

Your Early Childhood Education PK-3 curriculum and Elementary Grades Education curriculum, as well as your EDCI 3124 course, mention Math 1202.

Would you please confirm that this change is acceptable to your unit? If so, a simple email from you or one of your administrators would suffice. Alternatively, I would be pleased to discuss any concerns that you might have about this proposal.

Thanks.

Sincerely,

Chip
578-1619

[ Part 2, "FormC-Math1202-2012-09-11.doc" Application/MSWORD (Name: "FormC-Math1202-2012-09-11.doc") 62 KB. ]
Chip,

Your updating of the catalog description of MATH 1202 in accordance with CCSS standards causes no disruption to SoE programs and is approved. After our NCATE site visit over the next few days we will be working with various units across the campus—including Mathematics—to ensure that new state procedures for colleges and universities to align with CCSS are followed. The change to MATH 1202 will fit well such efforts.

David
Request for CHANGING an Existing Course

Department: Mathematics
Course Title: Math 1201

College: Science
Date: 10/25/2012

Present Course Description
Title: Number Sense and Open-Ended Problem Solving
Semester Hours of Credit: 3

Proposed Course Description
Title: Number Sense and Open-Ended Problem Solving
Semester Hours of Credit: 3

Credit will not be given for this course and:
Contact Hours Per Week: (Indicate hours in appropriate course type)
LEC 3 LAB 0 SEM 3 REC 0
Total Weekly Contact Hours: 3
Grading System: Letter Grade X Pass/Fail
Course Description:
Include course number, title, etc., exactly as it appears in the General Catalog

1201 Number Sense and Open-Ended Problem Solving
(3) Prereq.: MATH 1021. Primarily for students in the early childhood education PK-3 teacher certification curriculum or the elementary grades education curriculum. Cardinality and integers; decimal representation and the number line; exploratory data analysis; number sense; open-ended problem solving strategies; written communication of mathematics.

THESE QUESTIONS MUST BE ANSWERED COMPLETELY AND ACCURATELY OR PROPOSAL WILL BE RETURNED.
Has this change been discussed with and approved by all departments/colleges affected? Yes (x) No ( ) N/A ( )
Is this course included in any curricula, concentrations, or minors? Yes (x) No ( ) If yes, list on a separate sheet.
Is this course a prerequisite or corequisite for other courses? Yes (x) No ( ) If yes, list courses; use separate sheet.
Is this course on the General Education list? Yes ( ) No (x)

JUSTIFICATION/EXPLANATION: Use separate sheet
Note: IF COURSE IS OR WILL BE CROSS-LISTED, SEPARATE FORMS MUST BE SUBMITTED BY EACH DEPARTMENT.

APPROVALS:
Department Faculty Approval Date: Oct. 25, 2012
Department Chair’s Signature: DJ
Graduate Dean’s Signature: (Date)
College Contact: Kim Kubicek
College Contact E-mail: kkubicek@isu.edu
Academic Affairs Approval: (Date)
Courses and Curricula mentioning Math 1201

Math 1201 is a teacher preparation course required for students in the Early Childhood Education PK-3 curriculum and the Elementary Grades Education curriculum (both in the College of Human Sciences & Education). Also, Math 1201 is a prerequisite for EDCI 3124 and Math 1202 and 2203.

Justification for changing the catalog description

Recently, 48 states including Louisiana adopted the new Common Core State Standards (CCSS). The CCSS will be used to guide the K-12 curriculum. All LSU math courses that are relevant to elementary teacher preparation (namely, Math 1201, 1202, and 2203) therefore need to be aligned with the CCSS. We are therefore submitting Form C's to update the catalog description of these three courses so as to align them with the new CCSS. For details on the proposed list of topics in Math 1201, 1202, and 2203 and how they align with the CCSS, see:
http://www.corestandards.org/Math/Content/5/introduction
Approval of affected units

Date: Tue, 23 Oct 2012 18:22 -0500 (CDT)
From: Charles N. Deizell <deizell@math.lsu.edu>
To: David Kirshner <dkirsch@lsu.edu>
Cc: Robert Perlis <perlis@math.lsu.edu>
Subj: Requesting approval 2 change Math 1201.
Parts/Attachments: 62 KB Application, "FormC-Math1201-2012-10-23.doc"

Dear David,

The Math Department is proposing to change the list of topics in the catalog description of Math 1201; I attach the Form C, with the details.

Your Early Childhood Education PK-3 curriculum and Elementary Grades Education curriculum, as well as your EDCI 3124 course, mention Math 1201.

Would you please confirm that this change is acceptable to your unit? If so, a simple email from you or one of your administrators would suffice. Alternatively, I would be pleased to discuss any concerns that you might have about this proposal.

Thanks.

Sincerely,

Chip
578-1619

Chip,

Your updating of the catalog description of MATH 1201 in accordance with CCSS standards causes no disruption to SoE programs and is approved. Now that our NCATE site visit over the next few days we will be working with various units across the campus—including Mathematics—to ensure that new state procedures for colleges and universities to align with CCSS are followed. The change to MATH 1201 will fit well such efforts.

David
REQUEST FOR ADDITION OF NEW COURSE

Department: Mechanical & Industrial Engineering
College: Engineering
Date: 9/27/12

PROPOSED COURSE
Rubric & No.: ME 4293
Title: Intro. to Microsystem Fabrication and Design

COURSE CREDIT
Graduate Credit: X YES NO
Semester Hours of Credit: 3 (For combination course types only: Lecture Hrs. Lab/Sem/Rec Hrs.)
If course may be repeated for credit (i.e. special topics), course may be taken for a max. of ___ credit hours.
Credit will not be given for this course and:

(Indicate rubrics and course numbers)

GRADING
Final Exam: X YES NO Grading System: X Letter Grade Pass/Fail
(Attach justification if the proposed course will not hold a final exam during examination week.)

COURSE TYPE
(Indicate hours in the appropriate course type)

LEC/REC  LEC/SEM  LEC  LAB  LEC/LAB  SEM  CLIN.PRACT  RES/IND
Maximum enrollment per section: 25 (use integer, e.g. 25 not 20-30)

CATALOG TEXT
Concise catalog statement exactly as you wish it to appear in the LSU General Catalog
4293 Introduction to Microsystem Fabrication and Design (3) Prereq.: ME 3752. Microfabrication techniques; design issues for fabrication systems containing microelectric and micromechanical elements.

BUDGET IMPACT
If this course is approved, will additional staff be needed? X YES NO
Will additional space, equipment, special library materials or other major expense be involved? X YES NO
(if answer to either question above is 'yes' attach explanation.)
Academic Affairs Approval: Date:

ATTACHMENTS
ATTACH THE FOLLOWING TO YOUR PROPOSAL.

JUSTIFICATION: Justification must explain why this course is needed and how it fits into the curricula. Will the course duplicate other courses?
SYLLABUS: Including 14 week outline of the subject matter; titles of text, lab manual, and/or required readings; grading scale and criteria (For 4000-level, specify graduate student grading criteria if requirements differ for graduate and undergraduate students)

APPROVALS
Department Faculty Approval 9/17/12
Department Chair’s Signature 9/28/12
Graduate Dean’s Signature (for 4000 level and above) 10-30-12
College Contact: ____________________________
College Contact E-mail: ____________________________

College Faculty Approval 10/12/12
College Dean’s Signature 10/10/12
Chair, FS C&C Committee 12/5/12
Academic Affairs Approval 12/12/12
JUSTIFICATION

This course has been previously taught as ME 4933. Last two enrollments were Spring 2007 – 10 students (2 MS and 2 PhD), and Spring 2010 – 7 (2 MS and 4 PhD) students. The subject matter is important for the design of modern machinery, instruments, instrumentation systems and medical devices.

The course is intended to prepare students involved in research with the Center for Biomodular Multi-Scale Systems (CBM$^2$). For generic courses like ME 4933, there is no way to enforce the prerequisites and students sometimes enroll in classes they are not prepared to take.

Graduate students will not be treated differently from undergraduate students.

This course has 1 hour of Engineering Science and 2 hours of design.
ME 4293
Introduction to Microsystem Design
Spring 2013
General Course Information
12:00-1:20 PM T-Th - 3129 Patrick F. Taylor Hall

Catalog Statement

ME4293 Introduction to Microsystem Fabrication and Design (3) Prereq:
ME 3752, and CE 2262 or equivalent. Coverage of microfabrication
techniques and design issues for the fabrication of systems containing
microelectronic and micromechanical elements.

REQUIRED Textbook:

Madou, Marc, Fundamentals of Microfabrication and Nanotechnology, 3rd Edition,

RECOMMENDED Textbook:

Madou, Marc, Fundamentals of Microfabrication and Nanotechnology, 3rd Edition,
978-1-4200-5516-0

REFERENCE Materials:

Journals

Check for online access to these through the library’s Electronic Journals.
ASME/IEEE Journal of Microelectromechanical Systems
Journal of Micromechanics and Microengineering
Microsystem Technologies
Journal of Microlithography, Microfabrication, and Microsystems
Biomedical Microdevices
Lab-on-a-Chip
Sensors and Actuators, A (Physical) and B (Chemical)
Journal of the Electrochemical Society
Journal of Vacuum Science and Technology (A and B)

Conference Proceedings

Check for online access to these through the library’s Electronic Journals.
IEEE Workshop on Micro Electro Mechanical Systems (MEMS xx) (Annually since
1990)
IEEE Conference on Solid-State Sensors, Actuators and Microsystems (Transducers xx) (Bi-annually in odd years)

Workshop on Solid-State Sensors, Actuators, and Microsystems (Hilton Head Workshop) (Bi-annually in even years since 1984)

ASME MEMS annually since 1995

Other Texts (some):


Reference Books (some):


Hall Effect Devices, Popovic, R.S. Institute of Physics Publishing, NY.

Other Sources of Information
There is an enormous amount of information on the Internet on micromachining, including photos of the latest devices from several locations. Caveat emptor!

Grading Policy:
Your final grade is based on a 100 point scale with 90:A, 80:B, 70:C, and 60:D. The points are accumulated in the following manner:

\[
\begin{array}{c|c}
\text{Examinations (2)} & 50 \\
\text{Projects (2)} & 40 \\
\text{Homework/Quizzes/Participation} & 10 \\
\hline
\text{Total} & 100 \\
\end{array}
\]

The Participation/Improvement component of your final grade is based on your instructor's evaluation of the quality of work you have done, participation in class discussions, and improvement of performance as the semester progresses. A passing (>60) on at least one of the exams is required in order to receive a passing grade for the course, regardless of your point total.
Examinations / Quizzes: Examinations are take-home and open book (closed friend, but you may consult with the instructor). Generally, one week (including one weekend) will be given for an exam. Quizzes are given in class and are closed book, closed notes unless otherwise specified. Calculators are generally not required or not allowed.

Projects: Two projects are required; one will require research on a process-oriented topic and the second will be on an application of microsystems technology. Students select the project topics in an area of interest with approval of the instructor. The final reports will be in the form of a poster, which will be presented to the class in the last week of the semester.

Homework: Graded assignments will be available approximately 1-3 weeks after the due date. To assist with grading, A STRICT FORMAT IS ENFORCED AND IS WORTH ONE LETTER GRADE ON ALL ASSIGNMENTS. The specific order, content, and format for homeworks and projects is provided in the following paragraphs:

Submitting Homework Assignments for Grading: The homework handout is the cover sheet for all homeworks. Put your name and class ID in the top right hand corner of this sheet and staple it to the top of your completed assignment. Follow the Given, Find, Solution format for each problem. State all your assumptions explicitly. Neatness counts, i.e. use pencil and erase - don’t cross out sections of work you decide are incorrect. Your grader has to understand what you are thinking and sloppy work makes that more difficult and less likely. No credit will be given for answers alone.

Late Assignments & Regrade Policy: A student may turn in an assignment during office hours any time before the due date/time. Unless otherwise specified, assignments are due at the beginning of the class period on the specified date. A 25% penalty is assessed to all worked received after the class has started (12:40 pm on my watch) and before 4:30 pm that day. No assignment will be accepted for credit after the due date has passed.

All questions regarding the grading of any assignment/exam (other than points being added incorrectly) are handled exclusively through written request and will only be accepted within the first week after grading of an assignment is completed and announced in class. To submit a regrade request, type your name on a separate sheet.
of paper and include a brief explanation of all your concerns/questions. **Staple** this sheet to the front of your graded report and resubmit it to me or the TA during office hours. The assignment will be regraded in its entirety and returned to you. If you continue to have concerns, arrange an appointment with me to discuss the issue.

**General Procedures:**

**Learn to use Moodle & e-mail!** Course information, announcements, grades and/or reference materials will either be posted on Moodle or sent to your **official** LSU e-mail address (PAWS). You are responsible for checking these locations periodically for important updates and information related to this course and to your curriculum. Use your PAWS account and e-mail (or forward PAWS email to your preferred ISP) as this is a great way to communicate with your instructor. It will improve the response time for most of your questions and effectively extends office hours during which you can get questions answered. Your instructor regularly checks and responds to his email.

**Computer Resources Available:** A suite of application software is installed on the PCs in the CCS lab in Patrick F. Taylor 1302 and in the ME CADLAB (Patrick F. Taylor 2207) to assist with your coursework, project analyses and documentation. Early on this semester, students should check the hours of operation for these facilities. Also, you should be alert for tutorial announcements on how to use the many applications and make certain at least one member attends. The ME Department sponsors seminars on one or more of the following: **SolidWorks, ANSYS, Fluent, EES** and **Matlab**. The Office of Computing Services (OCS) hosts both beginning and advanced level training seminars on several commercial desktop analysis and publishing applications such as **Excel, PowerPoint** and more.

**Computer Abuse / Academic Dishonesty:** Classroom assignments, homeworks and projects are to be completed on an **individual** basis. Electronic sharing of segments of computer code or reports is not allowed without obtaining prior written approval of your instructor and giving credit to the appropriate source. Group discussions are permitted but the actual engineering analyses, making design choices, writing computer programs and preparation of reports is the responsibility of each individual. Plagiarism and cheating will not be tolerated. In accordance with the Code of Student Conduct, all matters concerning academic dishonesty or computer abuse will be turned over to the Dean of Students Office.
Office Hours: TBD => Please observe the posted office hours for this course and confine your visits to those time slots. If the posted hours conflict with your schedule, you can make an appointment and alternate arrangements will be made to accommodate you.

Use e-mail! It will improve the response time for most of your questions and effectively extends office hours during which you can get questions answered. I will regularly check and respond to my e-mail. It is also the most effective way to make an appointment with me.

Instructor:__________________________
Michael Murphy, Ph.D.
Office: 2523B Patrick F. Taylor Hall
Telephone: (225) 578-5921
e-mail: murphy@me.lsu.edu
Hours: TBD or by appointment
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*Readings/Reports are due on or before the lecture indicated. The assignment numbers denote entire chapters in the notes and/or text except where section number is also specified.*
Faculty Senate Courses and Curricula Committee

From: Lawrence Rouse, Chair, Courses and Curricula Committee
To: Dimitris Nikitopoulos, Chair, Department of Mechanical Engineering

October 31, 2012

At their October 30th, 2012 meeting, the Faculty Senate Courses and Curriculum Committee took the following action regarding the ME proposals:

The Committee approved all ME proposals except:

**ME 4293: Introduction to Microsystem Fabrication and Design**
The Committee conditionally approved the proposal to add ME 4293 pending the submission of a revised syllabus that provides more information on the projects component of the course. How are the projects assigned and approved? Note: The syllabus is a contract between the student and the instructor and must be thorough and clear.

Please submit the requested documentation to Anna Castrillo in the Office of the University Registrar at 112 Thomas Boyd Hall or by email at acastr1@lsu.edu.

If you have any questions regarding the request, please feel free to contact me at lrouse@lsu.edu.
REQUEST FOR ADDITION OF NEW COURSE
PLEASE SUBMIT 17 COPIES OF EACH REQUEST

Department: Oceanography and Coastal Sciences  Date: 10/7/2012
College: Coast and the Environment

PROPOSED COURSE
Rubric & No.: OCS 7340  Title: Population Dynamics Modeling

COURSE CREDIT
Graduate Credit: x YES  NO  (complete for 4000 level courses only)
Semester Hours of Credit: 3  (For "Lecture/Lab" type courses only: Lecture Hrs. Lab Hrs).
If course may be repeated for credit (i.e. special topics), course may be taken for a max. of ___ credit hours.
Credit will not be given for this course and:

GRADING
Final Exam: x YES  x NO  Grading System: x Letter Grade  Pass/Fail
(Attach justification if the proposed course will not hold a final exam during examination week.)

COURSE TYPE
Check one type: x LEC  ___ LAB  ___ LEC/LAB  ___ SEM  ___ CLIN/PRACT  ___ RES/IND
Maximum enrollment per section: 15  (use integer, e.g. 25 not 20-30)
Total weekly contact hours: 3  (If lecture/lab, contact hours of: Lecture ___ Lab ___)

CATALOG TEXT
(Concise catalog statement exactly as you wish it to appear in the LSU General Catalog)
OCS 7340 Population Dynamics Modeling (3). Broad survey of the quantitative modeling methods used for
simulating animal and plant population dynamics. Use of these models in both theoretical analyses and
management decision-making will be covered. Methods discussed include spawner-recruit, logistic, Lotka-
Volterra, age- and stage-structured matrix projection, individual-based, spatial, behavioral movement, and
metapopulation models. The philosophy of why and how to build models and the major issues in population
dynamics (e.g., density-dependence, scaling) will be discussed.

BUDGET IMPACT
if this course is approved, will additional staff be needed?  x YES  x NO
Will additional space, equipment, special library materials or other major expense be involved?  x YES  x NO
(if answer to either question above is "yes", attach explanation.)  Academic Affairs Approval:  Date:

ATTACHMENTS
ATTACH THE FOLLOWING TO YOUR PROPOSAL.

JUSTIFICATION: Justification must explain why this course is needed. Will the course duplicate other courses?
SYLLABUS: Including 14 week outline of the subject matter; titles of text, lab manual, and/or required readings; grading scale and criteria.
(For 4000-level, specify graduate student grading criteria if requirements differ for graduate and undergraduate students.)

APPROVALS
Department Faculty Approval: 10/10/12  College Faculty Approval: 11/21/2012
Department Chair’s Signature: 12/11/2012  College Dean’s Signature: (date)
Graduate Dean’s Signature (for 4000 level and above): (date) Chair, FS C&G Committee: (date)
Academic Affairs Approval: (date)
Information for Request for Addition of a New Course
OCS 7340 – Population Dynamics Modeling
Kenneth Rose

Syllabus

30 class meetings (Tuesday and Thursday)
Readings: chapters from books and papers from the literature
Assignments and Grading: 4 worksheets (WS1-4, 13% each); 1 review of a paper (13%); final project (35%); (no exams). The paper review is a 2 page summary and critical review of a modeling paper from the literature (15%). The project is the development of a new model or modification of an existing model with a new analysis, and a presentation to the class as if at a national meeting (35%).
Office hours: one hour before class or anytime with appointment.
Grading Scale (sum % from WS1-4, review, and project): A=90-100, B=80-89, C=70-79, D=60-69, F=0-59

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<tr>
<th>Lecture</th>
<th>Week</th>
<th>Topic</th>
<th>Readings</th>
<th>Assignments</th>
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<td>Importance and history of population dynamics</td>
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<td>Paradigms and issues in population dynamics</td>
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<td>How the Issues are treated in population modeling</td>
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<td>Overview of Models: Differential, difference, linear algebra</td>
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<td>Stage and age matrix projection models</td>
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<td>Why individual-based models (IBMs)</td>
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<td>WS 4 out</td>
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<td>13</td>
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Readings by Topic:

(A) Philosophy of modeling

(B) Importance and history of population dynamics

(C) Paradigms and issues in population ecology

(D) Issues and concepts in population modeling

(E) Mathematics of modeling populations
Appendix 2 in Case (2000)
Handout on Euler and Runge-Kutta solution methods.

(F) Single and multispecies state variable models

(G) Spawner-recruit models

(H) Structured approaches: stage and age

(I) Why individual-based models

(J) IBMs: growth, mortality, movement, reproduction, and bookkeeping

(K) IBMs: validation and application

(L) Issues in spatial modeling of populations

(M) Spatial: state variable models

(N) Spatial: matrix models

(O) Spatial: metapopulation models
Information for Request for Addition of a New Course
OCS 7340 – Population Dynamics Modeling
Kenneth Rose
Department of Oceanography and Coastal Sciences

Justification for not holding a final exam: Students will work on a modeling project throughout the semester. The material is not designed for examination format.

Course justification: Quantitative modeling is increasingly being used in natural resource management. This course will expose graduate students to the wide variety of modeling methods commonly used to simulate animal and plant population dynamics and how these models are used for theoretical analysis and for management decision-making. Completion of the course will provide students with sufficient background to be able to critically review models and to incorporate modeling into their research.

This course has been offered recently as OCS 7001. Spring 2012 had 10 students and Spring 2009 had 6 students.

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<th>Question 10 (overall course)</th>
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Information for Request for Addition of a New Course
OCS 7340 – Population Dynamics Modeling
Kenneth Rose
Department of Oceanography and Coastal Sciences

Potential Overlap with Other Courses

(1) RNR 7013 Wildlife Population Dynamics – taught by Dr. Kaller.

I contacted Dr. William Kelso who referred me to Dr. Kaller. Once Dr. Kaller confirmed that the two courses did not overlap, I then informed Dr. Rutherford, who is Director of RNR.

Email from Dr. Kaller (RNR)

Hello Dr. Rose,

Please find this e-mailed letter of support for your course in Population Dynamic Modeling. After reviewing your syllabus and course materials, I find no substantive overlap with my course in Wildlife Population Dynamics (RNR 7013). I also find that your course will be a beneficial addition to the course offerings at LSU and look forward to recommending the course to my graduate students.

Regards,

Mike
Mike Kaller, Ph.D.
Assistant Research Professor,
Coordinator, Undergraduate Programs,
and Associate Rector, Agriculture Residence College
School of Renewable Natural Resources,
Louisiana State University Agricultural Center,
119 Renewable Natural Resources Bldg.
Baton Rouge, LA 70803
(225)578-0012 (phone)
(225)578-4144 (fax)

Email from Dr. Rutherford (RNP)

Given that Mike has no duplication problem between your new course and his existing course, I have no problem with it.

I think your new course will be a course that many of our graduate students would be interested in.

Thanks and good luck! AllenR.

D. Allen Rutherford
Director and Bryant A. Bateman Professor of Renewable Natural Resources
School of Renewable Natural Resources
Louisiana State University Agricultural Center
Phone: 225-578-4187
Email: drutierford@agcenter.lsu.edu

(2) BIOL 7800 - Quantitative Ecology – taught by Dr. Bret Elderd

Quantitative Ecology can cover a wide range of topics, depending on the instructor. Dr. Elderd's version of Quantitative Ecology covers enough topics related to population dynamics that I discussed with him the potential overlap of his course with the proposed OCS course.

Below is an email from Dr. Elderd confirming that the proposed OCS course does not overlap very much with the BIOL 7800 course.

Email from Dr. Elderd (Biology) and Dr. Moroney (Chair, Biology)

To whom it may concern,

We are writing to address a potential overlap between a graduate-level course in the Department of Biological Sciences and a graduate-level course in the Department of Oceanography and Coastal Sciences (OCS).

The OCS course, entitled "Population Dynamics Modeling", is taught by Professor Kenneth Rose. Professor Rose is currently requesting that his course be added as a permanent addition to the course catalog.

The Department of Biological Sciences has an annual BIO 7800 graduate-level class entitled, "Quantitative Ecology." Quantitative Ecology spends a portion of the semester examining issues related to Population Dynamics. However, the techniques and the computer languages covered are quite different. The two courses, in fact, complement themselves and the addition of Population Dynamics to the course catalog would be welcomed.

Please let us know if we can provide any more information.

Sincerely,

Bret Elderd
Assistant Professor
Department of Biological Sciences

James Moroney
Streva Alumni Professor
Chair, Department of Biological Sciences

(3) EXST7024 and 7025 – Biological Population Statistics I and II

These two courses do not overlap much with the proposed OCS course. I mention them because they have "population" in the title. These courses cover the statistical approaches for estimating population parameters, such as growth and mortality rates. Such information is used as input to the models covered in the proposed OCS course.
Email from Dr. Geaghan (Chair, Experimental Statistics)

Kenny,
I've looked at the Syllabus that you sent for the proposed course OCS 7340

I agree that the courses do not overlap very much since we have very different approaches to the material. In fact, where the topic is the same I think the courses complement each other.

Good luck with the course.

Jay Geaghan

Professor and Head
Dept of Experimental Statistics
REQUEST FOR ADDITION OF NEW COURSE

Department: School of Plant, Environmental, and Soil Science  Date: 3/26/12
College:

PROPOSED COURSE
Short Title: Topics in Plant Breeding (≤ 19 characters)
Rubric & No.: AGRO 7073  Title: Current Topics in Plant Breeding and Genetics

COURSE CREDIT
Graduate Credit: X YES NO
Semester Hours of Credit: 1
(For combination course types only: Lecture Hrs. Lab/Sem/Rec Hrs.
If course may be repeated for credit (i.e. special topics), course may be taken for a max. of 2 credit hours.
Credit will not be given for this course and:

(Indicate rubrics and course numbers)

GRADING
Final Exam: YES NO Grading System: X Letter Grade Pass/Fail
(Attach justification if the proposed course will not hold a final exam during examination week.)

COURSE TYPE
(Indicate hours in the appropriate course type)

CATALOG TEXT
(Concise catalog statement exactly as you wish it to appear in the LSU General Catalog)

7073 Current Topics in Plant Breeding and Genetics (1) Prereq.: AGRO 4064 or equivalent. May be taken for a max. of 2 hrs. of credit when topics vary. Current discussion on plant breeding topics such as plant breeding theory; applied plant breeding; association mapping for crop improvement; application of genome sequencing in crop improvement.

BUDGET IMPACT
If this course is approved, will additional staff be needed? X NO
(If answer to either question above is ‘yes’ attach explanation)

ATTACHMENTS
ATTACH THE FOLLOWING TO YOUR PROPOSAL.

JUSTIFICATION: Justification must explain why this course is needed and how it fits into the curricula. Will the course duplicate other courses?

SYLLABUS: Including 14 week outline of the subject matter; titles of text, lab manual, and/or required readings; grading scale and criteria
(For 4000-level, specify graduate student grading criteria if requirements differ for graduate and undergraduate students).

APPROVALS
Department Faculty Approval 10/12/12
College Faculty Approval 10/12/12

Department Chair’s Signature

Graduate Dean’s Signature (for 4000 level and above) 10-30-12

College Contact:

College Contact E-mail:

Kenneth D. Koontz 10/12/12
Chair, FS C&C Committee

Academic Affairs Approval 10/12/12

Terry R. Rees 10/12/12
Academic Affairs Approval
Rationale for catalog statement

The course description describes a range of topics likely covered in the class. This gives students an understanding that the course will not be just basic molecular biology or applied breeding. A range of topics – each of which has many sub categories will be covered. This list is no way inclusive – simply representative of likely topics.
Syllabus for AGRO 7073

Course Title: Current Topics in Breeding and Genetics
Short Title: Topics in Breeding and Genetics
Credits: 1 (1 hour Lecture/Discussion)
This course will be offered in Fall (Even years).

Course Description:

AGRO 7073 Current Topics in Breeding and Genetics (1) Prereq.: AGRO 4964 or equivalent. May be taken for a max. of 2 hrs. of credit when topics vary. Discussion of plant breeding theory, applied plant breeding, association mapping for crop improvement, and application of genome sequencing in crop improvement.

Objective

Discussion of current topics in modern development of plant breeding theory, successes and challenges in applied plant breeding, genome wide association mapping for crop improvement, genomic selection in crop improvement, and application of whole genome sequencing in crop improvement.

Course Instructor and contact information:

Dr. James Oard, Professor
218 Sturgis Hall. School of Plant, Environmental, and Soil Sciences
Tel: 225-578-1301; E-mail: joard@agcenter.lsu.edu

Discussion Topics for 15 weeks:

Week 1:  Class Organization and Assignment of Topics for Discussion
Week 2:  Modern development of plant breeding theory I
Week 3:  Modern development of plant breeding theory II
Week 4:  Modern development of plant breeding theory III
Week 5:  Successes and challenges in applied plant breeding I
Week 6:  Successes and challenges in applied plant breeding II
Week 7:  Successes and challenges in applied plant breeding III
Week 8:  Genome wide association mapping for crop improvement I
Week 9:  Genome wide association mapping for crop improvement II
Week 10: Genome wide association mapping for crop improvement III
Week 11: Genomic selection in crop improvement I
Week 12: Genomic selection in crop improvement II
Week 13: Genomic selection in crop improvement III
Week 14: Application of whole genome sequencing in crop improvement

Discussion and Presentation of Assigned Topics:
Each student will be required to select one or more topics from current published online literature and lead a 45 minute discussion during assigned class periods using Power Point or similar method. Topics will be selected from one or more of the following five areas: modern development of plant breeding theory, successes and challenges in applied plant breeding, genome wide association mapping for crop improvement, genomic selection in crop improvement, and application of whole genome sequencing in crop improvement. The number of topics to be presented by a student will be determined by the number of students enrolled in any one particular class.

Class participation entails active engagement by students for each scheduled class meeting in a manner that contributes to meaningful group discussions, offers individual questions and arguments that stimulate ideas, and challenges conclusions drawn from the published topic or other students in the class. Those students not actively participating will be notified in writing to increase their level of participation or risk affecting their grade.

Recommended Topics for Discussion:
The instructor will provide pdf copies of current published literature relating to the topic areas described above. With approval of the Instructor, students can select one or more pdf copies as a basis for their assigned presentation(s) or recommend to the Instructor an alternative published paper.

Grading Method:
Grading for the Oral Presentation is subjective in nature, but the following criteria will be considered: overall organization of Power Point presentation, clarity and conciseness of results and ideas presented; summary of quality and impact of research topic presented, ability to communicate and evaluate main attributes and weaknesses of research paper(s).

<table>
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<tr>
<th>Oral Presentation</th>
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<tr>
<td>Classroom participation</td>
<td>30%</td>
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</table>

Grading Scale:
A = 90-100%
B = 80-89%
C = 70-79%
D = 60-69%
F = <=60%

**Justification:** An increase in graduate student numbers in plant breeding requires an expansion of coursework offerings. This course has been taught as a special topics class every semester for the last five years with an average of eight students per semester with sufficient enrollment to warrant a dedicated course. No other course in our program offers current discussion of plant breeding topics.
To Whom It May Concern:

AGRO 7073 is discussion based. Current topics, e.g., new published papers or trends in plant breeding are discussed as a group. Students also lead discussion topics. This is not a classic lecture/test course. Grading is based on presentation (70%) of assigned topics and participation (30%). A final is difficult to design because the information presented and discussed is student driven and topics are diverse. Narrowing the content to base a test on limits the give and take discussions. This is what this class is all about.
Faculty Senate Courses and Curricula Committee

From: Lawrence Rouse, Chair, Courses and Curricula Committee
To: Don LaBonte, Director, School of Plant, Environmental & Soil Sciences

At their September 4, 2012 meeting, the Faculty Senate Courses and Curriculum Committee took the following action regarding the Agronomy proposal:

**AGRO 7073**
- The Committee returned the proposal to add AGRO 7073: Current Topics in Plant Breeding and Genetics. The Committee requests the statement “when topics vary” be added to the sentence “May be taken for a max. of 2 hrs. of credit” within the course description. The Committee also requests justification as to why the course description lists exact topics. The description should not be so exact when the title of the course is “Current Topics”.

Please submit the requested documentation to Anna Castrillo in the Office of the University Registrar at 112 Thomas Boyd Hall or by email at acastril@lsu.edu.

If you have any questions regarding the request, please feel free to contact me at lrouse@lsu.edu.

RECEIVED

OCT 12 2012

OFFICE OF THE UNIVERSITY REGISTRAR
Anna M Castrillo

From: Lawrence J Rouse
Sent: Tuesday, December 11, 2012 9:18 AM
To: Anna M Castrillo
Subject: PW: AGRO 7073

Anna,

I finally spoke with Don LaBonte and got the reply below. The course will be taught by the same instructor each time and he will be the "gatekeeper."

We can attach the email to the paperwork and approve AGRO 7073.

Larry

From: Labonte, Don R. [DLabonte@agcenter.lsu.edu]
Sent: Tuesday, December 11, 2012 7:53 AM
To: Lawrence J Rouse
Subject: RE: AGRO 7073

...
From: Lawrence J Rouse [mailto:lrouse@lsu.edu]
Sent: Friday, December 07, 2012 8:54 AM
To: Labonte, Don R.
Subject: RE: AGRO 7073

Don,

The statement seems to imply that this course will be taught by the same instructor each time. Is that the plan? If that is the case, then the instructor will be responsible for ensuring that the topic will be different the second time.

What we want to see is that there is someone to verify that the topic is different the second time.

Larry

From: Labonte, Don R. [DLabonte@agcenter.lsu.edu]
Sent: Friday, December 07, 2012 7:13 AM
To: Lawrence J Rouse
Subject: RE: AGRO 7073
From: Lawrence J Rouse [mailto:lrouse@lsu.edu]
Sent: Wednesday, December 05, 2012 9:49 AM
To: Labonte, Don R.
Subject: AGRO 7073

Don,

The courses and curriculum looked at your resubmission of AGRO 7073 and has one last request before we approve it. Since students can take it twice "when topics vary," the committee would like statement from the department explaining how the requirement would be enforced. The statement doesn't have to be long and I'll be glad to discuss possible versions with you.

You can email the statement to me and I will forward it to the Registrar.

Larry

Lawrence Rouse
Chair, University Courses and Curriculum Committee
1279 Energy, Coast, and Environment
Louisiana State University
Baton Rouge, LA 70803
225-578-3030
REQUEST FOR ADDITION OF NEW COURSE

Department: Environmental Sciences
College: School of the Coast & Environment

PROPOSED COURSE
Rubric & No.: ENVS 4007
Title: Cancer: A Family of Environmental Diseases

COURSE CREDIT
Graduate Credit: X YES NO (complete for 4000 level courses only)
Semester Hours of Credit: 3
If course may be repeated for credit (i.e., special topics), course may be taken for a max. of _ credit hours.
Credit will not be given for this course and

GRADING
Final Exam: X YES NO Grading System: X Letter Grade Pass/Fail

COURSE TYPE
Check one type: X LEC LAB LEC/LAB SEM CIN/PRACT RES/IND
Maximum enrollment: per section: 35
Total weekly contact hours: 3
(Catalog statement exactly as you wish it to appear in the LSU General Catalog)

CATALOG TEXT
ENVS 4007 Cancer: A Family of Environmental Diseases (3) Prereq: ENVS 4477. BIOL 4087 or 4063.
Introduction and characterization of the basic components of cancer including causes and molecular disease processes, environmental and genetic etiological factors, biomarkers and therapeutic approaches.

BUDGET IMPACT
If this course is approved, will additional staff be needed? X YES NO
Additional space, equipment, special library materials or other major expense involved? X YES NO

ATTACHMENTS
ATTACH THE FOLLOWING TO YOUR PROPOSAL.

JUSTIFICATION
Justification must explain why this course is needed. Will the course duplicate other courses?

SYLLABUS
Including 4 week outline of the subject matter, titles of text, lab manual, and/or required readings, grading, scale and criteria.
(For 4000 level, specify graduate student grading criteria; requirements differ for graduate and undergraduate students)

APPROVALS
Department Faculty Approval 12/12/12
College Faculty Approval 11/13/12

Department Chair’s Signature

Graduate Dean’s Signature (for 4000 level and above)

Academic Affairs Approval

Chair, FS C&C Committee

12/14/12
REQUEST FOR ADDITION OF NEW COURSE
PLEASE SUBMIT 17 COPIES OF EACH REQUEST

Department: Environmental Sciences
School of the Coast & Environment

Date: 8-31-12

PROPOSED COURSE
Short Title: CANCER ENVIRONMENTAL DISEASE (≤ 20 characters)
Rubric & No.: ENVS 4007
Title: Cancer: A Family of Environmental Diseases

COURSE CREDIT
Graduate Credit: X YES ___ NO (complete for 4000 level courses only)
Semester Hours of Credit: 3 (For "Lecture/Lab" type courses only: ______ Lecture Hrs. ______ Lab Hrs).
If course may be repeated for credit (i.e. special topics), course may be taken for a max. of ______ credit hours.
Credit will not be given for this course and:

GRADING
Final Exam: X YES ___ NO Grading System: X Letter Grade ___ Pass/Fail
(Attach justification if the proposed course will not hold a final exam during examination week.)

COURSE TYPE
Check one type: X LEC ___ LAB ___ LEC/LAB ___ SEM ___ CLIN/PRACT ___ RES/IND
Maximum enrollment per section: 35 (use integer, e.g. 25 not 20-30)
Total weekly contact hours: 3 (If lecture/lab, contact hours of: ______ Lecture ______ Lab)

CATALOG TEXT
(Concise catalog statement exactly as you wish it to appear in the LSU General Catalog)
ENVS 4007 Cancer: A Family of Environmental Diseases (3) Prereq: ENVS 4477, BIOL 4087 or 4093, or consent of the instructor. Introduction and characterization of the basic components of cancer including causes and molecular disease processes, environmental and genetic etiological factors, biomarkers and therapeutic approaches.

BUDGET IMPACT
If this course is approved, will additional staff be needed? ___ YES X ___ NO
Will additional space, equipment, special library materials or other major expense be involved? ___ YES X ___ NO
(if answer to either question above is yes, attach explanation.)
Academic Affairs Approval:

ATTACHMENTS
ATTACH THE FOLLOWING TO YOUR PROPOSAL.
JUSTIFICATION: Justification must explain why this course is needed. Will the course duplicate other courses?
SYLLABUS: Including 14 week outline of the subject matter, titles of text, lab manual, and/or required readings; grading scale and criteria.
(For 4000-level, specify graduate student grading criteria if requirements differ for graduate and undergraduate students.)

APPROVALS
Department Faculty Approval 19 Oct 2012
(date)

Chair’s Signature

Graduate Dean’s Signature (for 4000 level and above) (date)

College Faculty Approval 11/13/12
(date)

Chair’s Signature

Academic Affairs Approval 12/12/12 (date)
Anna M Castrillo

From: Charlotte G St Romain
Sent: Wednesday, November 14, 2012 9:55 AM
To: Anna M Castrillo
Cc: Wilson, Dr. Vince
Subject: RE: New course request (form A) for ENVS 4007 - Wilson

Anna,

It was successfully taught Spring 2010 with 7 students and spring 2011 with 6 students thanks

Charlotte G. St. Romain
Academic Coordinator
Environmental Sciences
& CES Academic Counselor
Louisiana State University
1269 ECE Building
Baton Rouge, LA 70803
225.578.8522

From: Anna M Castrillo
Sent: Wednesday, November 14, 2012 9:43 AM
To: Charlotte G St Romain
Subject: RE: New course request (form A) for ENVS 4007 - Wilson

Charlotte,

The only thing I need now is if this course was taught as a special topics course before. If so, I will need enrollment numbers for the times it was taught.

Anna Castrillo
Coordinator
Office of the University Registrar
Louisiana State University
112 Thomas Boyd Hall
Phone: (225)578-4111
Fax: (225)578-5991

From: Charlotte G St Romain
Sent: Wednesday, November 14, 2012 9:36 AM
To: Anna M Castrillo
Cc: Wilson, Dr. Vince
Subject: New course request (form A) for ENVS 4007 - Wilson

Hello Anna,

Attached is the approved Form A for ENVS 4007.
Please let me know if you need anything else.
Sincerely,
Course Justification

ENVS 4007 Cancer: A Family of Environmental Diseases

This new course is being proposed mainly for undergraduate students, but also for introductory level graduate students. There are several reasons why this course is being proposed. First of all, LSU does not have a comparable course that is available for both undergraduate and graduate level students. There is presently a void in the undergraduate curriculum concerning cancer and the environmental exposures and risk factors known to be involved in cancer development. The proposed course on cancer will fulfill the need for this important component of environmental toxicology in the new undergraduate Coastal Environmental Sciences BS degree program. As can be seen from the attached syllabus, this course focuses on the cellular changes involved in cancer development and how these changes are induced and promoted by environmental exposures.
ENVS 4007
CANCER: A FAMILY OF ENVIRONMENTAL DISEASES
Spring 2013 TTh Noon -- 1:30pm Rm ??? Tureaud Hall
Instructor: Vince Wilson, Ph.D. Office:
Dept Environmental Sciences Rm 1253 Energy, Coast & Environment Bldg.
email: Monster77@aol.com Tel. 578-1753
Office hours: Anytime at Rm 1253 Energy, Coast & Environment Bldg.-- or make an appointment

OUTLINE OF COURSE TOPICS a,b

Jan 15 & 17 Introduction: Basics: What is Cancer?
Cancer Incidence, Prevalence, & Lifetime Risks

Jan 22, 24 & 29 Causation, Environmental Etiological Factors
Inheritance (predisposition) vs. Environmental Exposures
Percival Pott & Scrotal Cancer in Chimney Sweeps in the 1700's

Jan 31 & Oncogenesis, Tumorigenesis, Carcinogenesis, Proliferogenesis!
Feb 5, 7, & 14 Cellular Origin, Development of Cancer, & Clonality
Cancer Stem Cell Theory
Accumulation of Mutations

Feb 12 Mardi Gras
Feb 19 Choice of Report Topic Due to Instructor
Graduate Students only: Choice of Journal Article Due

Feb 21 & 26 Loss of Checks & Balances: Dismantling Protection Mechanisms
Apoptosis, Necrosis, Senescence
Growth Factors & Receptors (Cell Cycle Checkpoints,
Cell Signaling Cascades, Mitotic Checkpoints, etc.)

Feb 28 Proto-Oncogenes: Ras & profuse company (Functions / Activations)
Mar 5 Exam I
Mar 7 & 12 Genetics has a Cruel Sense of Humor!
Tumor Suppressor Genes (RB, TP53, BRCA1&2, MEN, etc)

Mar 14 & 19 Genomic Stability: Maintenance vs. Instability
Stem Cells & Background Mutation Rates, CIN, MSI, & SBI

Mar 21 & 26 Epigenetic Instability:
DNA 5mdC Hypo- & Hypermethylation
Chromatin Modifications (methylation, acetylation, etc.)

Mar 28 Exam II
Apr 2 & 4 Spring Break
Apr 9, 11 & 16 Mechanisms of Action of Environmental Etiological Agents
Viruses (HPV, Hepatitis B, EBV, etc)
Physical Carcinogens (ionizing Radiation, UV light)

Apr 16 Written Report due
Apr 18 Radiobiology (Drs. W-H Wang & Kip Matthews lecturing)
Radiation Properties, Radiosensitivity, Medical Applications

Apr 23 Article Review due [Graduate Students Only]
Apr 23 Chemical Carcinogens: Asbestos, Benzene, PAHs, etc.
Apr 25 & 30 Metabolic Activation of Carcinogens
Microsomal / Cyto P450s, Nonmicrosomal / GSH

May 2 Testing for Carcinogenic Activity: In Vivo & In Vitro
Two-Yr BioAssay; Genotoxicity Assays, Ames Test,
Forward Mutation, Micronuclei, Comet, etc.

May 10 Final Exam (Friday, 5:30 – 7:30 PM)

a The exact dates and coverage of topics may vary.
b All exams are comprehensive, covering all the material that has been discussed or assigned in the
text, journal articles, etc., from the first day of class forward!
Additional Course materials will be made available on Moodle (and/or handed out in class). Although the majority of images used in lectures utilizing PowerPoint will be taken from the required text, all PowerPoint slides used in lectures will be made available on Moodle as well.

<table>
<thead>
<tr>
<th>Grading Scheme:</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam I 100 pts</td>
<td>450 - 500 pts A</td>
</tr>
<tr>
<td>Exam II 100 pts</td>
<td>400 - 449 pts B</td>
</tr>
<tr>
<td>Report 100 pts</td>
<td>350 - 399 pts C</td>
</tr>
<tr>
<td>Final Exam 200 pts</td>
<td>300 - 349 pts D</td>
</tr>
<tr>
<td>Total 500 pts</td>
<td>&lt;300 pts F</td>
</tr>
</tbody>
</table>

Note: The instructor reserves the right to lower the grading scale, but never to raise the scale.

**NOTE:** Credit for this course is available for both Undergraduates and Graduate students. Undergraduate students will be graded as described above. Graduate students will be evaluated and graded based on the above description AND the additional assignment of writing a Scientific Journal Article Review. The description of the Scientific Journal Article Review will be provided with this syllabus to all graduate students enrolled in this course.
Cheating and Plagiarism

Cheating or plagiarism will not be tolerated. It is recommended that students review *Understanding and Avoiding Plagiarism*. The document can be found on the Dean of Students webpage @ http://appl003.lsu.edu/elas/dos.nsf/index.

Also available, *Plagiarism: What is it and How to Avoid it*, at appl003.lsu.edu/acadaff/cxweb.nsf/$Content/Summer+Institute+2008/$file/5LBBPlagiarism.pdf

Additional supporting from the Grad School can be found at appl003.lsu.edu/grad/gradschool.nsf/$Content/Quick+Facts/$file/plagiarismQT.pdf

Students suspected of cheating or plagiarism will be referred to the Dean of Students as per requirements in the LSU Student Handbook.
REPORT

Each student must choose a selective cancer, environmental carcinogen, tumorigenic pathway, cancer gene, cancer epidemiological problem, nutrition/diet & cancer, etc. and prepare a paper on the chosen subject. You may choose from a wide variety of topics with the stipulation of first come, first serve -- only one student per topic. Instructor must approve the topic or subject of your report by February 19, 2013.

Format must be, in order, Title page, Abstract page, body of report (with a summary or conclusion paragraph at the end), and references. The “body of report” must be 10 double-spaced typed pages in length (not counting the title page, abstract or references), and grammatically correct without spelling errors. Provide an abstract (less than 150 words on a single page, first page after title) and a summary or conclusion (single paragraph at the end of the “body of report”). Title page, Abstract and References are NOT counted in the 10 page requirement. References must be made in the text using either a numerical or author reference format (e.g. "the mutagenic effects of benzo(a)pyrene diol epoxide have been demonstrated in human cells" (Smith and Jones, 1985; or 12)). At least 8 scientific journal articles must be cited. Books may also be cited in addition to the 8 scientific journal articles. All references must be between 1980 and the present, unless a substantial reason can be shown for the importance of an earlier scientific publication. Magazines (e.g. Newsweek) are NOT acceptable references. Many posted online materials are also not acceptable. However, established databases, online-only scientific journals, and other professional websites must be referenced as noted below. References may be arranged either alphabetically or by numerical order. The complete reference must be included as follows:

Journal:

Book:

Online Reference:

THE PAPER IS DUE ON THURSDAY, April 16, 2013 AT Noon (BEFORE LECTURE). FIVE POINTS WILL BE DEDUCTED PER DAY, INCLUDING WEEKENDS THAT YOUR PAPER IS LATE.
Anna M Castrillo

From: Lawrence J Rouse  
Sent: Wednesday, December 12, 2012 9:13 AM  
To: Anna M Castrillo  
Subject: FW: ENVS 4007  
Attachments: Form_A_ENVS_4007_Wilson_12-11-12.pdf

Anna,

Here is the response for ENVS 4007 with a revised Form A. Dr. Wilson has changed the prereqs in response to Biology's request. I think that should finalize the approval. If I need to sign the revised form as ENVS chair, let me know but the approval on the original form should still be valid.

When will the new number be in effect? Dr. Wilson asked if it will be able to be used in the spring semester.

Larry

From: Vincent L Wilson  
Sent: Tuesday, December 11, 2012 7:58 PM  
To: Lawrence J Rouse  
Subject: FW: ENVS 4007

Larry,

See below -- supported with removal of BIOL 2153 and BIOL 4160 as prerequisites for ENVS 4007. I have removed these two prerequisites from the catalog description and updated the course application (attached). Let me know if anything else is needed.

Thanks,

Vince

From: Joseph F Siebenaller  
Sent: Tuesday, December 11, 2012 4:23 PM  
To: Vincent L Wilson  
Cc: James V Moroney; John W Lynn  
Subject: ENVS 4007

Vince,

Dr. Moroney forwarded your proposal for ENVS 4007 to me. The course appears to be a solid addition to the environmental toxicology component of your B.S. degree program.

We have reservations about having BIOL 4160, Vertebrate Physiology, as a prerequisite for ENVS 4007. Our concern about having BIOL 4160 as a prerequisite for your course is that this will continue to increase the pressure on BIOL 4160 which is a high demand course. For instance, this coming spring we have 189 students enrolled with 26 on the waitlist. Last spring had 150 students enrolled. We are seeing an increase in demand for this course from our own majors and from students who want to fulfill professional school prerequisites. Requiring BIOL 4160 as a prerequisite may prove a roadblock for students interested in ENVS 4007.

BIOL 4087 (or BIOL 4093) is already an elective in the biology and chemistry sections of the ENVS degree program and currently has adequate capacity. Having BIOL 4087 (or BIOL 4093) as a prerequisite is not a problem.
You do not need to list BIOL 2153 as a prerequisite for your course because it is a prerequisite for BIOL 4087 (and BIOL 4093).

We support your proposal for ENVS 4007 with the removal of BIOL 4160 (and BIOL 2153) from the prerequisites.

J

From: Vincent L Wilson
Sent: Tuesday, December 11, 2012 1:28 PM
To: James V Moroney
Cc: Lawrence J Rouse
Subject:

Dr. James Moroney

Chair, Department of Biological Sciences

I have put forth a new course proposal (attached) that is presently under the purview of the Faculty Senate Courses & Curriculum Committee. As you can see from the attached application, this 4000 level course focuses on cancer and requires a couple of Biological Science courses as prerequisites.

With this note, I am requesting your support for this course. I am also hoping that you might be able to provide a rapid response, as I would like to teach this course under its own course number this spring semester, which is rapidly approaching.

Please let me know if there are any questions.

Thanks,

Vince

Vincent L. Wilson, PhD

Professor & Director, SC&E Undergraduate Programs, Coastal Environmental Science

Chair, LSU Campus Radiation Safety Committee

Dept Environmental Sciences

School of the Coast & Environment

1273 Energy, Coast & Environment Bldg.

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Baton Rouge, LA 70803