REQUEST FOR DROPPING A COURSE

Department: Construction Management  Date: 4/16/2013
College: Engineering

Course rubric & no.: CM 2012  Title: Plan and Cost Analysis for Residential Construction

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.)

Construction Management Major + Minor

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

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.)

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<tr>
<th>Rubric</th>
<th>Course #</th>
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<tr>
<td>CM</td>
<td>2121</td>
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<tr>
<td>CM</td>
<td>3121</td>
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</tbody>
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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 is being replaced by CM 1102. Also see overall CM Curriculum Justification. Scheduled to be dropped March 2014. See CM course Drop Schedule flow chart.

APPROVALS:

Department Faculty Approval Date: 03/08/13  College Faculty Approval Date: 9/6/13
Department Chair's Signature: 07/12/13  College Dean's Signature: 9/27/13
Graduate Dean's Signature:  (Date)  Chair, FS CEC Committee: 10/1/13
College Contact:  
College Contact E-mail:  

Academic Affairs Approval: 9/2/13
REQUEST FOR DROPPING A COURSE

Department Construction Management
College Engineering

Course rubric & no. CM 4111, Title Construction Scheduling and Cost Control
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.)

Construction Management

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:
This course is being replaced with CM 4101. Also see overall CM Curriculum Justification.

APPROVALS:
Department Faculty Approval Date 03/08/13
Department Chair's Signature 07/12/13
Graduate Dean's Signature (Date)
College Contact: (Please print name.)

College Faculty Approval Date 9/16/13
College Dean's Signature (Date)
Chair, FSCC & C Committee 10/11/13
Academic Affairs Approval (Date)
REQUEST FOR DROPPING A COURSE

Department Construction Management
College Engineering

Course rubric & no. CM 3505 Title Structural Technology I

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.)

Construction Management

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

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 CM Course # 3506 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:

This course is being replaced by CM 2501 (formerly CM 3501). Also see overall CM Curriculum Justification. Scheduled to be dropped March 2014. See CM course Drop Schedule flow chart.

APPROVALS:

Department Faculty Approval Date 03/08/13

Department Chair's Signature

(Date)

Graduate Dean's Signature

(Date)

College Contact: ___________________________

(Please print name.)

College Contact E-mail: ___________________________

College Faculty Approval Date 9/16/13

Lisa Janney, 9/27/13

College Dean's Signature

(Date)

Chair, FS C & S Committee

(Date)

Academic Affairs Approval

(Date)
REQUEST FOR DROPPING A COURSE

Department Construction Management

College Engineering

Course rubric & no. CM 3506 Title Structural Technology II

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 ( ) No (X) 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.)

Construction Management

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:

This course is being replaced by CM 3504. Also see overall CM Curriculum Justification. Scheduled to be dropped March 2015. See CM course Drop Schedule flow chart.

APPROVALS:

Department Faculty Approval Date 03/08/13

Department Chair’s Signature 07/12/13

Graduate Dean’s Signature (Date)

College Contact:

College Contact E-mail:

College Faculty Approval Date 9/16/13

College Dean’s Signature (Date)

Chair, FS C & C Committee (Date)

Academic Affairs Approval (Date)
REQUEST FOR DROPPING A COURSE

Department Construction Management Date 4/16/2013
College Engineering

Course rubric & no. CM 3400 Title Construction Materials

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.)

Construction Management

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 CM Course # 4302
Rubric CM Course # 4303

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 is being replaced by CM 3502. Also see overall CM Curriculum Justification. Scheduled to be dropped March 2014. See CM course Drop Schedule flow chart.

APPROVALS:
Department Faculty Approval Date 03/08/13

07/12/13
Department Chair's Signature (Date)

Graduate Dean's Signature (Date)

College Contact: ________________________________
(Please print name.)

College Contact E-mail: ____________________________

College Faculty Approval Date 9/16/13

Chair, FS C & C Committee (Date)

Academic Affairs Approval (Date)
REQUEST FOR DROPPING A COURSE

Department Construction Management
College Engineering

Course rubric & no. CM 2131 Title Materials, Methods, and Equipment II
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.)

Construction Management

Is this course a prerequisite or corequisite for any other courses? Yes (X) No ( )
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 CM Course # 2121 Rubric CM Course # 3131
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:
This course is being replaced in by CM 2103. Also see overall CM Curriculum Justification. Scheduled to be dropped March 2014. See CM course Drop Schedule flow chart.

APPROVALS:
Department Faculty Approval Date 03/08/13
07/12/13
Department Chair’s Signature (Date)

Graduate Dean’s Signature (Date)
College Contact: ____________________________
(Please print name.)
College Contact E-mail: ________________________

College Faculty Approval Date 9/6/13
Lisa Barnum (Date)
College Dean’s Signature Chair, FSC A.C. Committee (Date)
10/1/13
Academic Affairs Approval (Date)
10/2/13
REQUEST FOR DROPPING A COURSE

Department Construction Management                      Date 4/16/2013
College Engineering

Course rubric & no. CM 1010                               Title Construction Graphics and Nomenclature

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.)

Construction Management Major + Minor

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

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 CM Course # 2012 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:

This course is being replaced in by CM 1011. Also see overall CM Curriculum Justification. Scheduled to be dropped March 2014. See CM course Drop Schedule flow chart.

APPROVALS:

Department Faculty Approval Date 03/08/13
Department Chair’s Signature 07/12/13
(Date)

Graduate Dean’s Signature (Date)
College Contact: (Please print name.)
College Contact E-mail:

College Faculty Approval Date 9/6/13

College Dean’s Signature 9/27/13
Chair, FSC & C Committee 10/1/13
(Date)
(Date)

Academic Affairs Approval (Date)
REQUEST FOR DROPPING A COURSE

Department Construction Management  Date 4/16/2013

College Engineering

Course rubric & no. CM 3100  Title Construction Surveying

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.)

Construction Management

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

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.)

<table>
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<tr>
<th>Rubric</th>
<th>Course #</th>
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</table>

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 is being replaced by CM 2105. Scheduled to be dropped March 2014. See CM course Drop Schedule flow chart.

The Department of Construction Management is requesting the creation of CM 2215 to replace CM 3000. Topical content is remaining the same; however, plans are to drop this course from the curriculum in March of 2014 as per our Transition Plan. Making it a 2000 level course will facilitate course and program articulation with Baton Rouge Community College as well as the new CM curriculum plan.

APPROVALS:

Department Faculty Approval Date 03/08/13

Department Chair’s Signature 07/12/13

Graduate Dean’s Signature (Date)

College Contact: (Please print name.)

College Contact E-mail: 

College Faculty Approval Date 9/16/13

College Dean’s Signature (Date)

Chair, FSCC Committee 10/1/13

Academic Affairs Approval (Date)
REQUEST FOR DROPPING A COURSE

Department Construction Management
College Engineering

Course rubric & no. CM 3141 Title Highway Construction

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.)

Construction Management

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

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:

This course is being replaced in by a new number - CM 3165. Content remains the same; however, the prerequisites and the numbers are changing.

The Department of Construction Management is requesting the creation of CM 3165 using Form A to replace CM 3141. Topical content is remaining the same; however, plans are to drop this course from the curriculum in March of 2014 as per our Transition Plan. See CM course Drop Schedule flow chart. Also see overall CM Curriculum Justification.

APPROVALS:

Department Faculty Approval Date 03/08/13

Department Chair’s Signature 07/12/13 (Date)

Graduate Dean’s Signature (Date)

College Contact: (Please print name.)

College Contact E-mail:

College Faculty Approval Date 9/16/13

Lisa Severy (Date)

College Dean’s Signature (Date)

Chair, FSC & C Committee (Date)

Academic Affairs Approval (Date)

19/5/13
REQUEST FOR DROPPING A COURSE

Department Construction Management

College Engineering

Course rubric & no. CM 3000 Title Construction Safety

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.)

Construction Management

Is this course a prerequisite or corequisite for any other courses? Yes (X) No ( )
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 CM Course # 4200 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:

This course is being replaced in by CM 2215. Also see overall CM Curriculum Justification. Scheduled to be dropped March 2014. See CM course Drop Schedule flow chart.
The Department of Construction Management is requesting the creation of CM 2215 to replace CM 3000. Topical content is remaining the same; however, plans are to drop this course from the curriculum in March of 2014 as per our Transition Plan. Making it a 2000 level course will facilitate course and program articulation with Baton Rouge Community College as well as the new CM curriculum plan.

APPROVALS:

Department Faculty Approval Date 03/08/13

07/12/13

Department Chair’s Signature (Date)

Graduate Dean’s Signature (Date)

College Contact:

(Please print name.)

College Contact E-mail:

College Faculty Approval Date 9/16/13

Lena Sarrany 9/27/13

College Dean’s Signature (Date)

Chair, FS C & O Committee (Date)

Academic Affairs Approval (Date)
REQUEST FOR DROPPING A COURSE

Department Construction Management
College Engineering

Course rubric & no. CM 3501 Title Structural Principles and Practices

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 ( ) NiA ( )

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.)

Construction Management

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

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 CM 3501 Course # 3502 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:

This course is being replaced by CM 2501.
The old course number CM 3501 will be dropped in March 2014 as per the drop schedule.

APPROVALS:

Department Faculty Approval Date 03/08/13

07/12/13

Department Chair’s Signature (Date)

Graduate Dean’s Signature (Date)

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

College Contact E-mail: ________________________

College Faculty Approval Date 9/16/13

Lisa Lawrence 9/27/13

College Dean’s Signature (Date)

Chair, FSC & C Committee 10/1/13

Academic Affairs Approval (Date)

10/31/13
REQUEST FOR DROPPING A COURSE

Department Construction Management                                                                 Date 4/16/2013
College Engineering

Course rubric & no. CM 3303 Title Mechanical and Electrical Systems

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.)

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REQUEST FOR DROPPING A COURSE

Department Construction Management

College Engineering

Course rubric & no. CM 3401 Title Plumbing, HVAC, & Electrical Systems

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.)

Construction Management

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:

This course is being replaced by CM 3201. The recent changes resulted in duplicating old numbers. Dropping this course avoids the issue.

APPROVALS:

Department Faculty Approval Date 03/08/13

07/12/13

Department Chair's Signature (Date)

Graduate Dean's Signature (Date)

College Contact: _______________________

(Please print name.)

College Contact E-mail: ______________________

College Faculty Approval Date 9/16/13

Lisa Jameson 9/27/13

College Dean's Signature (Date)

Chair, ES C & C Committee (Date)

Academic Affairs Approval (Date)

J. Galyean 11/5/13

LJ 15/2/13
REQUEST FOR DROPPING A COURSE

Department Construction Management Date 4/16/2013
College Engineering

Course rubric & no. CM 3131 Title Industrial Construction Estimating
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.)

Is this course a prerequisite or corequisite for any other courses? Yes (X) No ( )
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:
This course is being replaced in by a new number - CM 3356. Content remains the same; however, the prerequisites and the numbers are changing.
The Department of Construction Management is requesting the creation of CM 3356 using Form A to replace CM 3131. Topical content is remaining the same; however, plans are to drop this course from the curriculum in March of 2014 as per our Transition Plan. See CM course Drop Schedule flow chart. Also see overall CM Curriculum Justification.

APPROVALS:
Department Faculty Approval Date 03/08/13
07/12/13
Department Chair’s Signature (Date)

Graduate Dean’s Signature (Date)
College Contact: (Please print name.)
College Contact E-mail:

College Faculty Approval Date 9/16/13
College Dean’s Signature (Date)
Chair, FSC C & C Committee (Date)
Academic Affairs Approval (Date)
REQUEST FOR DROPPING A COURSE

Department: Construction Management

College: Engineering

Course rubric & no. CM 4200

Title: Construction Administration

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.)

Construction Management

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

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 CM Course # 4201 Rubric [ ] Course # [ ]

Rubric CM Course # 4202 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:

This course is being replaced with CM 4221. Also see overall CM Curriculum Justification. Scheduled to be dropped March 2015. See CM course Drop Schedule flow chart.

APPROVALS:

Department Faculty Approval Date 03/08/13

Department Chair's Signature 07/12/13

Graduate Dean's Signature (Date)

College Contact: [ ]

College Contact E-mail: [ ]

College Faculty Approval Date 9/16/13

College Dean's Signature (Date)

Chair, FS C & C Committee 10/1/13

 Academic Affairs Approval (Date)

Lisa Hanneman 9/27/13

SKB 19/1/13
REQUEST FOR DROPPING A COURSE

Department: Construction Management
College: Engineering
Course Rubric & No.: CM 4201
Title: Construction Law
Semester Hours of Credit: 3

Date: 4/16/2013

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.)

Technical Sales Minor

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:

This course is being replaced by CM 4211. Also see overall CM Curriculum Justification. Scheduled to be dropped March 2015. See CM course Drop Schedule flow chart.

APPROVALS:

Department Faculty Approval Date: 03/08/13
Department Chair's Signature: (Date) 07/12/13
Graduate Dean's Signature: (Date)

College Faculty Approval Date: 9/16/13
College Dean's Signature: (Date)
Chair, FSC & C Committee: (Date)
Academic Affairs Approval: (Date)
REQUEST FOR DROPPING A COURSE

Department Construction Management
College Engineering

Course rubric & no. CM 3121 Title Commercial Estimating

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.)

Construction Management

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

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.)

<table>
<thead>
<tr>
<th>Rubric</th>
<th>Course #</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM</td>
<td>3121</td>
</tr>
<tr>
<td>CM</td>
<td>4200</td>
</tr>
</tbody>
</table>

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 is being replaced in by a new number - CM 3145. Content remains the same; however, the prerequisites and the numbers are changing. Also see overall CM Curriculum Justification. Scheduled to be dropped March 2014. See CM course Drop Schedule flow chart.

The Department of Construction Management is requesting the creation of CM 3145 using Form A to replace CM 3121. Topical content is remaining the same; however, plans are to drop this course from the curriculum in March of 2014 as per our Transition Plan.

APPROVALS:
Department Faculty Approval Date 03/03/13
07/12/13 Department Chair's Signature (Date)
Graduate Dean's Signature (Date)
College Contact: ________________________ (Please print name.)
College Contact E-mail: ________________________

College Faculty Approval Date 9/6/13
07/12/13 College Dean's Signature (Date)
Chair, FS C & L Committee (Date)
Academic Affairs Approval (Date)
REQUEST FOR DROPPING A COURSE

Department Construction Management
College Engineering

Course rubric & no. CM 2121 Title Materials, Methods, and Equipment I
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.)

Construction Management Major + Minor

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

Rubric CM Course # 2131 Rubric CM Course # 3121 Rubric CM Course # 3303
Rubric CM Course # 2141 Rubric CM Course # 3400

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 is being replaced by CM 2101. Also see overall CM Curriculum Justification. Scheduled to be dropped March 2014. See CM course Drop Schedule flow chart.

APPROVALS:
Department Faculty Approval Date 03/08/13
Department Chair’s Signature 07/12/13

Graduate Dean’s Signature (Date)
College Contact: ____________________________
(Please print name.)

College Contact E-mail: ____________________________

College Faculty Approval Date 9/6/13
College Dean’s Signature ____________________________
Chair, PS C & C Committee 10/1/13
Academic Affairs Approval ____________________________
(Date)
REQUEST FOR ADDITION OF NEW COURSE

Department: Construction Management Engineering

Date: 4/16/13

College:

PROPOSED COURSE
Short Title: INDUST FROJ PROJ CONTROL
Rubric & No.: CM 4357
Title: Industrial Project Controls

COURSE CREDIT
Graduate Credit: YES  X 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:

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)

<table>
<thead>
<tr>
<th>LEC/REC</th>
<th>LEC/SEM</th>
<th>LEC</th>
<th>LAB</th>
<th>LEC/LAB</th>
<th>SEM</th>
<th>CLIN/PRAC</th>
<th>RES/ND</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Maximum enrollment per section: 40 (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)

4357 Industrial Project Controls (3) Prerequisites: CM 3356 and CM 4101. Fundamentals of information management required for effective project control on an industrial construction project. The course will cover data requirements, data collection, and data processing involved in measuring, evaluating, calculating and reporting job performance from inception of project through closeout.

BUDGET IMPACT
If this course is approved, will additional staff be needed?  X  NO
Will additional space, equipment, special library materials or other major expense be involved?  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 and how it fits into the curricula. Will the course duplicate other courses? No
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 03/08/13 (date)

College Faculty Approval 9/16/13 (date)

Department Chair's Signature (date)

College Dean's Signature 10/1/13 (date)

Chair, FS C&C Committee 10/1/13 (date)

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

College Contact: Lisa Launey

College Contact E-mail: eglaun@eng.lsu.edu
CM 4357 Industrial Project Controls

TERM: Fall 2013

CLASS TIME & LOCATION: TBA

FACULTY: Dr. Emy Roider
Room 110 CM Building
erider@jhu.edu
225-578-0942

OFFICE HOURS: T Th 10:30 – 12:00
Wed: 9:00 – 11:00
By appointment

WEBSITE: Moodle will be utilized for this course.

CATALOG COURSE DESCRIPTION: 4357 Industrial Project Controls (3) Prerequisites: CM 3356 and CM 4101.
Fundamentals of information management required for effective project control on an industrial construction project. The course will cover data requirements, data collection, and data processing involved in measuring, evaluating, calculating and reporting job performance from inception of project through closeout.

COURSE OBJECTIVE & OUTCOMES: This course is designed to provide the student with a working knowledge of project controls in industrial construction. Following successful completion of this course, it is expected that students will:
1. Apply project controls concepts to industrial construction applications
2. Evaluate and create reports for time, cost, and resource management
3. Understand contractor/client communications
Quizzes will correspond to the weekly topical content. Written assignments are components of the course objectives listed above.

GRADE POLICY:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam #1</td>
<td>30%</td>
</tr>
<tr>
<td>Exam #2</td>
<td>30%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
</tr>
<tr>
<td>Quizzes / Assignments</td>
<td>10%</td>
</tr>
</tbody>
</table>

GRADE SCALE:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>≥ 90</td>
<td>Distinguished mastery of the course material</td>
</tr>
<tr>
<td>B</td>
<td>80 – 89.999</td>
<td>Good mastery</td>
</tr>
<tr>
<td>C</td>
<td>70 – 79.999</td>
<td>Acceptable mastery</td>
</tr>
<tr>
<td>D</td>
<td>60 – 69.999</td>
<td>Minimally acceptable achievement for credit</td>
</tr>
<tr>
<td>F</td>
<td>≤ 59.999</td>
<td>Failing</td>
</tr>
</tbody>
</table>

COURSE MATERIALS: REQUIRED: Project Control by Peter W. G. Morris and Jeffrey Pinto
**Out of Class Expectation:** It is expected that the students have read the chapters prior to class for the background necessary to properly learn the content and apply the concepts addressed. As a general policy, for each hour you are in class, you (the student) should plan to spend at least two hours on preparing for the next class and completing homework and laboratory assignments.

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**CM 4357: Tentative Course Outline**

<table>
<thead>
<tr>
<th>Week No.</th>
<th>Topic</th>
<th>Reading/Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Overview of project controls in Industrial Construction (estimating, planning and scheduling, cost control/reporting/forecasting, timekeeping, purchasing, document control, field engineering, change order management, subcontractors, test packages, systems turnover, etc.)</td>
<td>Chapter 1</td>
</tr>
<tr>
<td>2</td>
<td>Estimating the control budget, understanding and utilizing the estimate</td>
<td>Chapter 2</td>
</tr>
<tr>
<td>3</td>
<td>Document control, RFI system, Communications, Contracts, Field Documentation, Report Development</td>
<td>Handout</td>
</tr>
<tr>
<td>4</td>
<td>Planning and Scheduling</td>
<td>Chapter 3</td>
</tr>
<tr>
<td>5</td>
<td>Progress Measurement System and Earned Value Methods, Exam #1</td>
<td>Chapter 4, Exam #1</td>
</tr>
<tr>
<td>6</td>
<td>Productivity Tracking and Forecasting</td>
<td>Chapter 5, Handout</td>
</tr>
<tr>
<td>7</td>
<td>Cost analysis and control; Reporting</td>
<td>Chapter 6, Handout</td>
</tr>
<tr>
<td>8</td>
<td>Cost Forecasting (direct labor, staff and supervision, indirect labor, equipment, materials, subcontractors, etc)</td>
<td>Handout</td>
</tr>
<tr>
<td>9</td>
<td>Change Order Management</td>
<td>Chapter 7, Handout</td>
</tr>
<tr>
<td>10</td>
<td>Timekeeping, reporting, labor resource requests, turnover, per diem, employee issues, Exam #2</td>
<td>Handout, Exam #2</td>
</tr>
<tr>
<td>11</td>
<td>Purchasing (Material requisitions, Purchase orders, delivery tickets, approvals to pay invoices)</td>
<td>Handout</td>
</tr>
<tr>
<td>12</td>
<td>Field Engineering (Engineering errors, RFIs) and Subcontract Management (Utilization, agreements, work order releases)</td>
<td>Chapter 8</td>
</tr>
<tr>
<td>13</td>
<td>Test Packages and Systems Turnover</td>
<td>Handout</td>
</tr>
<tr>
<td>14</td>
<td>Invoicing the client, Project close out, Client required documentation, reports, and packages</td>
<td>Handout</td>
</tr>
<tr>
<td>15</td>
<td>Final Exam</td>
<td></td>
</tr>
</tbody>
</table>

**Justification CM 4357**

This course is needed to provide students with a more in-depth understanding of project scheduling and cost control systems within industrial construction applications. This course will be used as a Industrial Industry Emphasis Area (IEA) course (see flow chart for IEA and minors).
REQUEST FOR ADDITION OF NEW COURSE

Department: Construction Management  Date: 4/16/13
Engineering

College:

PROPOSED COURSE

Short Title: CONSTRUCTION EQUIP 
Rubric & No.: CM 2102  Title: Construction Equipment

COURSE CREDIT

Graduate Credit:  YES    X 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:  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  3 LEC / LAB / LEC/LAB / SEM / CLIN/PRACT / RES/IND

Maximum enrollment per section: 40  (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)

2102 Construction Equipment (3) Prerequisites: CM 2101. Overview of construction equipment, included economy, selection, and productivity of common construction equipment for commercial, industrial, and heavy civil construction.

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:  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? No
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  03/08/13  (date)
Department Chair's Signature  07/12/13  (date)

College Faculty Approval  9/6/12  (date)
College Dean's Signature  9/27/13  (date)
Graduate Dean's Signature (for 4000 level and above)  10/1/13  (date)
Chair, FS C&C Committee  10/6/12  (date)

College Contact: Lisa Launey
College Contact E-mail: eglau@eng.lsu.edu

Academic Affairs Approval  (date)
CM 2102 Construction Equipment

TERM : Fall 2013

CLASS TIME & LOCATION : TBA

FACULTY : Dr. Emy Roider
Room 110 CM Building
croider@lsu.edu
225-578-0942

OFFICE HOURS : T Th 10:30 – 12:00
Wed: 9:00 – 11:00
By appointment

WEBSITE : Moodle will be utilized for this course.

CATALOG COURSE DESCRIPTION : Overview of construction equipment, included economy, selection, and productivity of common construction equipment for commercial, industrial, and heavy civil construction.

COURSE OBJECTIVE & OUTCOMES : This course is designed to provide the student with a working knowledge of construction equipment, applications, productivity, economics, and safety relevant to the commercial, industrial, heavy civil and residential industry sectors.

Following successful completion of this course, it is expected that students will:
1. Describe different construction methods and application of equipment in construction
2. Estimate construction productivity and cost
3. Apply concepts of equipment economics and equipment safety to construction applications

Quizzes will correspond to the weekly topical content. Written assignments are components of the course objectives listed above.

GRADE POLICY : Exam #1 30%
Exam #2 30%
Final Exam 30%
Quizzes / Assignments 10%

GRADE SCALE : A ≥ 90 Distinguished mastery of the course material
B 80 – 89.9999 Good mastery
C 70 – 79.9999 Acceptable mastery
D 60 – 69.9999 Minimally acceptable achievement for credit
F ≤ 59.9999 Failing

COURSE REQUIRED : Managing Construction Equipment by Stephens W. Nunnaly.
### OUT OF CLASS EXPECTATION:

It is expected that the students have read the assigned chapters or pages prior to class for the background necessary to properly participate in the discussion and think critically about the concepts addressed. As a general policy, for each hour you are in class, you (the student) should plan to spend at least two hours preparing for the next class. Since this course is for three credit hours, you should expect to spend around six hours outside of class each week reading or writing assignments for the class.

### CM 2102: Tentative Course Outline

<table>
<thead>
<tr>
<th>Week No.</th>
<th>Topic</th>
<th>Reading/Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Course Introduction, Earthmoving basics – equipment selection, production of earthmoving equipment</td>
<td>Chapters 1 and 2</td>
</tr>
<tr>
<td>2</td>
<td>Excavators – Excavators and Crane Shovels, Hydraulic Excavators, Shovels, Draglines, Clamshells, Trenching and Trenchless technology</td>
<td>Chapter 3</td>
</tr>
<tr>
<td>3</td>
<td>Dozers, Loaders, and Scrapers</td>
<td>Chapter 4 and 5</td>
</tr>
<tr>
<td>4</td>
<td>Exam #1, Trucks, Wagons, Float &amp; Lowboy Trailers w/Tractors, Hydraulic Platform Trailers</td>
<td>Exam 1 (Chapters 1-5), Chapter 6</td>
</tr>
<tr>
<td>5</td>
<td>Lifting Equipment – forklifts, Lulls, Skylifts, Manlifts, Scissor Lifts</td>
<td>Chapter 7</td>
</tr>
<tr>
<td>6</td>
<td>Lifting Equipment – Cranes, Rigging, Crane Matting, Load Charts</td>
<td>Chapter 7</td>
</tr>
<tr>
<td>7</td>
<td>Compacting and Finishing – Compaction Equipment and Procedures</td>
<td>Chapter 8</td>
</tr>
<tr>
<td>8</td>
<td>Rock Excavation</td>
<td>Chapter 9</td>
</tr>
<tr>
<td>9</td>
<td>Production of Aggregate, Concrete, and Asphalt Mixes – Rock Crushers, Feeders and Screen, Asphalt Plants, Concrete Pumping Equipment, Concrete finishing equipment</td>
<td>Chapter 10</td>
</tr>
<tr>
<td>10</td>
<td>Exam #2, Paving and Surface Treatments – Form Riding equipment, Slipform paving, Asphalt paving and surface treatments, Pavement repair and rehabilitation</td>
<td>Exam 2 (Chapters 6-10), Chapter 11</td>
</tr>
<tr>
<td>11</td>
<td>Welding, Compressed Air and</td>
<td>Chapter 12 and handout</td>
</tr>
<tr>
<td>Chapter</td>
<td>Topic</td>
<td>Chapter</td>
</tr>
<tr>
<td>---------</td>
<td>--------------------------------------------</td>
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</tr>
<tr>
<td>12</td>
<td>Equipment Economics</td>
<td>13</td>
</tr>
<tr>
<td>13</td>
<td>Maintenance, Tires and Safety</td>
<td>14</td>
</tr>
<tr>
<td>14</td>
<td>Improving Productivity and Safety</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Final Exam</td>
<td></td>
</tr>
</tbody>
</table>

**Justification CM 2102**

This course is needed to provide students with general knowledge of construction equipment that will be used within the various industry types.
REQUEST FOR ADDITION OF NEW COURSE

Department: Construction Management
Engineering
College: ________________________________

Date: 12/5/12

PROPOSED COURSE

Short Title: MECH, ELEC, SYS, ________ (≤ 19 characters)
Rubric & No.: CM 3201
Title: Mechanical and Electrical Systems

COURSE CREDIT

Graduate Credit: YES X 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: CM 3200

(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 / 3 LEC / LAB / LEC/LAB / SEM / CLIN/PRACT / RES/IND

Maximum enrollment per section: 40
(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)

3201 Mechanical and Electrical Systems (3) Prerequisite: PHYS 2002. Credit will not be given for this course and CM 3200. For residential and commercial buildings; design and construction of building MEP systems. Emphasis on basic terminology, equipment and installation procedures, management of the complete MEP process, code compliance and quality control issues.

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: ____________________________ 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? Yes, see justification
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 Grad student grading criteria if requirements differ for graduate and undergraduate students).

APPROVALS

Department Faculty Approval 03/08/13 (date)
Department Chair's Signature 07/12/13 (date)

College Faculty Approval 9/16/13 (date)
College Dean's Signature 9/27/13 (date)

Graduate Dean's Signature (for 4000 level and above) (date)
College Contact: Lisa Launey
(Please print name.)
College Contact E-mail: egluaun@eng.lsu.edu

Chair, FS CAC Committee 10/11/13 (date)
Academic Affairs Approval (date)
CM 3201 – Mechanical and Electrical Systems

TERM : Spring 2013

CLASS TIME & LOCATION : Monday/Wednesday or Tuesday/Thursday
FACULTY : Dennis Spring
2514 B, Patrick F. Taylor
csprin3.lsu.edu
Office phone 225 578-9175

OFFICE HOURS : 1330-1530 MW & 0800-1000 TTH.

WEBSITE : MOODLE

CATALOG COURSE DESCRIPTION : Mechanical Electrical Systems (3) Prerequisite: PHYS 2002. Credit will not be given for this course and CM 3200. For residential and commercial buildings; design and construction of building MEP systems. Emphasis on basic terminology, equipment and installation procedures, management of the complete MEP process, code compliance and quality control issues.

COURSE OBJECTIVES & OUTCOMES : To provide the student with a working knowledge of the design decisions, equipment options, installation, and operations of the different building MEP systems. The student will build a knowledge base concerning: comfort, heat flow, types of heating/cooling equipment and their performance; water supply and wastewater concepts, building plumbing systems and fire protection systems; electrical basics, generation and distribution, electrical service, panels, circuits, and power & lighting equipment. Students will be able to apply this knowledge for design input and the management of MEP system installation during building construction.

Following successful completion of this course, it is expected that students will:
Objective 1: understand the basic terminology related to MEP systems
Objective 2: understand basic MEP design concepts
Objective 3: be able to analyze the required functions of the MEP systems
Objective 4: be able to evaluate the overall requirements for installation of MEP systems
Objective 5: be able to create a management process to successfully incorporate MEP systems in a construction project

COURSE MATERIALS AND RESOURCES : Text Book: Design of Mechanical and Electrical Systems in Buildings by Frederick J. Trost and Ifte Choudhury

OUT OF CLASS EXPECTATION : It is expected that the students have read the chapters prior to class for the background necessary to properly learn the content and apply the concepts addressed. As a general policy, for each hour you are in class, you (the student)
should plan to spend at least two hours on preparing for the next class and completing homework and laboratory assignments.

CM 3201 – Mechanical and Electrical Systems

Topics:
- Psychrometrics
- Heat Loss/Gain
- Heating /Cooling Equipment
- Building Air Conditioning
- Ductwork, Registers, Fans, Air Distribution
- Water Supply & Wastewater
- Building Plumbing
- Plumbing Examples: Residential & Commercial
- Water Supply for Fire protection & HVAC
- Electrical Basics
- Generation & Distribution
- Residential & Commercial Electrical
- Electrical Example: Office Building
- Code applicability

Grading:
Your final grade in this course will be determined as follows:
- Quizzes ................. 5 @ 10 pts. = 50 pts.
- Assignments ................ 50 @ 1 pt. = 50 pts.
- Exams ................... 3 @ 100 pts. = 300 pts.
- Final Exam .................. 100 pts.
Total Points .................... 500 pts.

1. Quizzes will be unannounced and spaced throughout the semester.
2. Assignments are spaced throughout the course. Due dates are as shown on the course outline.
3. Exams will be as scheduled (see course outline) UNO.
4. The Final Exam will be comprehensive.

Grading Scale:
- 90-100 A
- 80-89.99 B
- 70-79.99 C
- 60-69.99 D
- 0-59.99 F

Schedule of Exams:
- Exam #1- HVAC Chap. 14-18 & Guest Lectures Week 5, Mtg. 10
- Exam #2- Plumbing Chap. 22, 24-26 & Guest Lectures Week 10, Mtg. 19
- Exam #3- Electrical Chapters 4, 8-12 & Guest Lectures Week 14, Mtg. 27

Final Exam- Per Final Exam Schedule

University Holidays:
- Mardi Gras-aa/bb/cc; Spring Break-dd/ee/cc thru dd/ff/cc
# CM 3301: COURSE OUTLINE:

<table>
<thead>
<tr>
<th>WK</th>
<th>MEETING</th>
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<tbody>
<tr>
<td>1</td>
<td>MTG 1</td>
<td>Terms, Comfort &amp; Psychrometrics</td>
<td>Chap. 14, pp. 190-195</td>
</tr>
<tr>
<td>1</td>
<td>MTG 2</td>
<td>Heat Loss &amp; Gain</td>
<td>Chap. 15, pp. 198-211</td>
</tr>
<tr>
<td>2</td>
<td>MTG 3</td>
<td>Heat Loss &amp; Gain</td>
<td>Chap. 15, pp. 211-223</td>
</tr>
<tr>
<td>2</td>
<td>MTG 4</td>
<td>Heating &amp; Cooling Equipment Assignment #1 Due</td>
<td>Chap. 16, pp. 227-243</td>
</tr>
<tr>
<td>3</td>
<td>MTG 5</td>
<td>Building Air Conditioning</td>
<td>Chap. 17, pp. 245-259</td>
</tr>
<tr>
<td>3</td>
<td>MTG 6</td>
<td>Air Distribution</td>
<td>Chap. 18, pp. 261-280</td>
</tr>
<tr>
<td>4</td>
<td>MTG 7</td>
<td>Building HVAC; A Mechanical Engineering Concept</td>
<td>Chap. 14-18 &amp; Guest Lectures</td>
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<tr>
<td>4</td>
<td>MTG 8</td>
<td>Building HVAC; A Mechanical Subcontractor’s View Assignments #2 &amp; #3 Due</td>
<td></td>
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<tr>
<td>5</td>
<td>MTG 9</td>
<td>Review for Exam #1</td>
<td>Chap. 22, pp. 318-335</td>
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<tr>
<td>5</td>
<td>MTG 10</td>
<td>Exam #1- HVAC</td>
<td>Chap. 22, pp. 352-371</td>
</tr>
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<td>6</td>
<td>MTG 11</td>
<td>Water Supply &amp; Wastewater</td>
<td>Chap. 25, pp. 372-383</td>
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<td>6</td>
<td>MTG 12</td>
<td>Building Plumbing Assignment #4 Due</td>
<td>Chap. 25, pp. 384-395</td>
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<td>7</td>
<td>MTG 13</td>
<td>Plumbing Examples</td>
<td>Chap. 26, pp. 397-408</td>
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<td>7</td>
<td>MTG 14</td>
<td>Plumbing Examples</td>
<td>Chap. 28, pp. 410-420</td>
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<tr>
<td>8</td>
<td>MTG 15</td>
<td>Water Supply for Fire &amp; HVAC Building Plumbing; A Mechanical Engineering Concept Assignments #5 &amp; #6 Due</td>
<td>Chap. 9, pp. 119-125</td>
</tr>
<tr>
<td>11</td>
<td>MTG 19</td>
<td>Exam #2- Plumbing</td>
<td>Chap. 9, pp. 127-139</td>
</tr>
<tr>
<td>8</td>
<td>MTG 16</td>
<td>Building Plumbing; A Mechanical Subcontractor’s View</td>
<td>Chap. 10, pp. 141-149</td>
</tr>
<tr>
<td>9</td>
<td>MTG 17</td>
<td>Review for Exam #2</td>
<td>Chap. 11, pp. 151-181</td>
</tr>
<tr>
<td>10</td>
<td>MTG 18</td>
<td>Exam #2- Plumbing Assignment #7 Due</td>
<td>Chap. 12, pp. 112-117</td>
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<tr>
<td>11</td>
<td>MTG 19</td>
<td>Generation &amp; Distribution</td>
<td>Chap. 13, pp. 127-139</td>
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<td>11</td>
<td>MTG 20</td>
<td>Residential Electrical</td>
<td>Chap. 14, pp. 131-140</td>
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<tr>
<td>12</td>
<td>MTG 23</td>
<td>Commercial Electrical</td>
<td>Chap. 15, pp. 141-149</td>
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<td>12</td>
<td>MTG 24</td>
<td>Example Office Building, An Electrical Engineering Concept Assignments #8, #9 &amp; #10 Due</td>
<td>Chap. 16, pp. 151-181</td>
</tr>
</tbody>
</table>
CM 3201 – Mechanical and Electrical Systems

CM 3401: COURSE OUTLINE: (cont.)

<table>
<thead>
<tr>
<th>WK.</th>
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<tbody>
<tr>
<td>13.</td>
<td>MTG 25</td>
<td>Example Office Building, An Electrical Subcontractor’s View</td>
<td>Chap. 12, pp. 151-181</td>
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<td>13.</td>
<td>MTG 26</td>
<td>Review for Exam #3</td>
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<tr>
<td>14.</td>
<td>MTG 27</td>
<td>Exam #3- Electrical</td>
<td>Chapters 4, 8-12 &amp; Guest Lectures</td>
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<tr>
<td>14.</td>
<td>MTG 28</td>
<td>Review for Final Exam</td>
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</table>

Justification CM 3201

CM 3200 and 3201 have same content and learning outcomes; however, they are designed and delivered for two different types of students, somewhat similar to the Honors classes on campus. CM 3201 is being delivered in a traditional campus 14 week lecture format typical of students in their first semester sophomore year in college. In contrast, CM 3200 is being delivered 100% web instruction and has been designed for a more mature, disciplined student that has previously obtained a Bachelor of Science degree. In addition, CM 3200 is faster paced, with higher learning expectations, and is being taught within 7 weeks.

CM 3201 replaces CM 3303 Mechanical and Electrical Systems. CM 3303 is scheduled to be dropped Spring 2014 (see scheduled course drops).
REQUEST FOR ADDITION OF NEW COURSE

Department: Construction Management Engineering

Date: 4/16/13

College: ______________________________

PROPOSED COURSE
Rubric & No.: CM 4358
Title: Industrial Electrical Installations

COURSE CREDIT
Graduate Credit: YES X 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)

<table>
<thead>
<tr>
<th>LEC/REC</th>
<th>LEC/SEM</th>
<th>LEC</th>
<th>LAB</th>
<th>LEC/LAB</th>
<th>SEM</th>
<th>CLIN/PRACT</th>
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<td>3</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Maximum enrollment per section: 40 (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)

4358 Industrial Electrical Installations (3) Prerequisites: CM 320. This course covers the fundamentals of electrical and instrumentation concepts, systems, plans, and installations relevant to industrial facilities and applications.

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

Will additional space, equipment, special library materials or other major expense be involved? YES X NO

Academic Affairs Approval: ______________________ ______________________

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? No

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 03/08/13 (date)
Department Chair’s Signature 07/12/13 (date)
Graduate Dean’s Signature (for 4000 level and above) (date)
College Contact: Lisa Launey (Please print name.)
College Contact E-mail: eglaun@eng.lsu.edu

College Faculty Approval 9/18/13 (date)
College Dean’s Signature (date)
Chair, FS C&C Committee (date)
Academic Affairs Approval (date)
CM 4358 Industrial Electrical Installations

TERM: Fall 2013

CLASS TIME & LOCATION: TBA

FACULTY: Dr. Emy Roider
Room 110 CM Building
croider@lsu.edu
225-578-0942

OFFICE HOURS: T Th 10:30 – 12:00
Wed. 9:00 – 11:00
By appointment

WEBSITE: Moodle will be utilized for this course.

CATALOG COURSE DESCRIPTION: 4358 Industrial Electrical Installations (3) Prerequisites: CM 3201. This course covers the fundamentals of electrical and instrumentation concepts, systems, plans, and installations relevant to industrial facilities and applications

COURSE OBJECTIVE & OUTCOMES: This course is designed to provide the student with a working knowledge of electrical installations in industrial construction.

Following successful completion of this course, it is expected that students will:

1. Understand basic electrical concepts
2. Describe installation of electrical services and instrumentation
3. Develop estimates for electrical installations

Quizzes will correspond to the weekly topical content. Written assignments are components of the course objectives listed above

GRADE POLICY:

| Exam #1 | 30% |
| Exam #2 | 30% |
| Final Exam | 30% |
| Quizzes / Assignments | 10% |

GRADE SCALE:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>≥ 90 Distinguished mastery of the course material</td>
</tr>
<tr>
<td>B</td>
<td>80 – 89.9999 Good mastery</td>
</tr>
<tr>
<td>C</td>
<td>70 – 79.9999 Acceptable mastery</td>
</tr>
<tr>
<td>D</td>
<td>60 – 69.9999 Minimally acceptable achievement for credit</td>
</tr>
<tr>
<td>F</td>
<td>≤ 59.9999 Failing</td>
</tr>
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</table>

**CM 4358: Tentative Course Outline**

<table>
<thead>
<tr>
<th>Week No.</th>
<th>Topic</th>
<th>Reading/Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Course Introduction, Alternating Current</td>
<td>Module 26201</td>
</tr>
<tr>
<td>2</td>
<td>Motors Theory and Application</td>
<td>Module 26202</td>
</tr>
<tr>
<td>3</td>
<td>Grounding</td>
<td>Module 26203</td>
</tr>
<tr>
<td>4</td>
<td>Conduit Bending, Boxes and Fittings, Conductor Installation, Cable Tray</td>
<td>Modules 26204, 26205, 26206, 26207</td>
</tr>
<tr>
<td>5</td>
<td>Conductor Terminations and Splices, Exam #1</td>
<td>Modules 26208, 26209, 26210</td>
</tr>
<tr>
<td>6</td>
<td>Installation of Electrical Services, Circuit Breaker and Fuses</td>
<td>Modules 26029, 26210</td>
</tr>
<tr>
<td>7</td>
<td>Contactors and Relays, Electrical Lighting</td>
<td>Modules 26211, 26212</td>
</tr>
<tr>
<td>8</td>
<td>Electrical Systems for Instrumentation</td>
<td>Module 12104</td>
</tr>
<tr>
<td>9</td>
<td>Instrument Drawings and Documents.</td>
<td>Module 12107</td>
</tr>
<tr>
<td>10</td>
<td>Flow, Pressure, Level and Temperature, Exam #2</td>
<td>Module 12110</td>
</tr>
<tr>
<td>11</td>
<td>Project Introduction, Grounding Take-off</td>
<td>Project</td>
</tr>
<tr>
<td>12</td>
<td>Lighting, Cable Tray Take-offs</td>
<td>Project</td>
</tr>
<tr>
<td>13</td>
<td>Power Take-off</td>
<td>Project</td>
</tr>
<tr>
<td>14</td>
<td>Instrumentation – Electrical Take-offs</td>
<td>Project Due</td>
</tr>
<tr>
<td>15</td>
<td>Final Exam</td>
<td></td>
</tr>
</tbody>
</table>

**Justification CM 4358**

This course is needed to provide students with a more in-depth understanding of electrical systems within industrial construction applications. This course will be used as a Industrial Industry Emphasis Area (IEA) course (see flow chart for IEA and minors).
REQUEST FOR ADDITION OF NEW COURSE

Department: Construction Management Engineering

Date: 12/5/12

College: ____________________________

PROPOSED COURSE
Short Title: MECH ELECT ECSYS
Rubric & No.: CM 3200
Title: Mechanical Electrical Systems

COURSE CREDIT
Graduate Credit: YES X NO

Semester Hours of Credit: 3
(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: CM 3201

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)

<table>
<thead>
<tr>
<th>LEC/REC</th>
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<th>3 LEC</th>
<th>LAB</th>
<th>LEC/LAB</th>
<th>SEM</th>
<th>CLIN/PRACT</th>
<th>RESIND</th>
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</table>

Maximum enrollment per section: 40

CATALOG TEXT
(Concise catalog statement exactly as you wish it to appear in the LSU General Catalog)
CM 3200 Mechanical and Electrical Systems (3) Credit will not be given for this course and CM 3201. For residential and commercial buildings; design and construction of building MEP systems. Emphasis on basic terminology, equipment and installation procedures, management of the complete MEP process, code compliance and quality control issues. Intended for post baccalaureate leveling for non-CM majors.

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

(Assign the appropriate board for the above answer 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 curriculum. Will the course duplicate other courses? Yes, see justification.

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: 03/08/13
College Faculty Approval: 9/6/13

Graduate Dean's Signature: ____________________________ Date: __________
College Contact: Lisa Launey

College Contact E-mail: egluun@eng.lsu.edu

Chair, FS C&C Committee: ____________________________ Date: __________
Academic Affairs Approval: ____________________________ Date: __________
CM 3200 – Mechanical and Electrical Systems

TERM : Spring 2013

CLASS TIME & LOCATION : Monday/Wednesday or Tuesday/Thursday
LSU Online

FACULTY : Dennis Spring
2514 B, Patrick F. Taylor
cprin3.lsu.edu
Office phone 225 578-9175

OFFICE HOURS : 1330-1530 MW & 0800-1000 TTH.

WEBSITE : MOODLE

CATALOG COURSE DESCRIPTION : 3200 Mechanical and Electrical Systems (3) Credit will not be given for this course and CM 3201. For residential and commercial buildings; design and construction of building MEP systems. Emphasis on basic terminology, equipment and installation procedures, management of the complete MEP process, code compliance and quality control issues. Intended for post baccalaureate leveling for non-CM majors.

COURSE OBJECTIVES & OUTCOMES : To provide the student with a working knowledge of the design decisions, equipment options, installation, and operations of the different building MEP systems. The student will build a knowledge base concerning: comfort, heat flow, types of heating/cooling equipment and their performance; water supply and wastewater concepts, building plumbing systems and fire protection systems; electrical basics, generation and distribution, electrical service, panels, circuits, and power & lighting equipment. Students will be able to apply this knowledge for design input and the management of MEP system installation during building construction.

Following successful completion of this course, it is expected that students will:
Objective 1: understand the basic terminology related to MEP systems
Objective 2: understand basic MEP design concepts
Objective 3: be able to analyze the required functions of the MEP systems
Objective 4: be able to evaluate the overall requirements for installation of MEP systems
Objective 5: be able to create a management process to successfully incorporate MEP systems in a construction project

COURSE MATERIALS AND RESOURCES : Text Book: Design of Mechanical and Electrical Systems in Buildings by Frederick J. Trost and Ifte Choudhury
CM 3200 – Mechanical and Electrical Systems

Topics:
Psychrometrics
Heat Loss/Gain
Heating/Cooling Equipment
Building Air Conditioning
Ductwork, Registers, Fans, Air Distribution
Water Supply & Wastewater
Building Plumbing
Plumbing Examples: Residential & Commercial
Water Supply for Fire protection & HVAC
Electrical Basics
Generation & Distribution
Residential & Commercial Electrical
Electrical Example: Office Building
Code applicability

Grading: Your final grade in this course will be determined as follows:
Quizzes..........................5 @ 10 pts. = 50 pts.
Assignments.....................50@ 1 pt. = 50 pts.
Exams..............................3 @ 100 pts. = 300 pts.
Final Exam..........................100 pts.
Total Points.........................500 pts.

1. Quizzes will be unannounced and spaced throughout the semester.
2. Assignments are spaced throughout the course and are based on the learning objectives.
3. Exams will be as scheduled (see course outline) UNO.
4. The Final Exam will be comprehensive.

Grading Scale:
90-100 A
80-89.99 B
70-79.99 C
60-69.99 D
0-59.99 F

CM 3401: COURSE OUTLINE:

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<td>MTG 4</td>
<td>Heating &amp; Cooling Equipment</td>
<td>Chap. 16, pp. 227-243</td>
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<td></td>
<td>Assignment #1 Due</td>
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</tr>
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<td>2.</td>
<td>MTG 5</td>
<td>Building Air Conditioning</td>
<td>Chap. 17, pp. 245-259</td>
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<td>MTG 6</td>
<td>Air Distribution</td>
<td>Chap. 18, pp. 261-280</td>
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CM 3200 – Mechanical and Electrical Systems

CM 3401: COURSE OUTLINE: (cont.)

3. MTG 9 Review for Exam #1
   MTG 10 Exam #1- HVAC 
   MTG 11 Water Supply & Wastewater 
   MTG 12 Building Plumbing 
      Assignments #2 & #3 Due

   Chap. 14-18 & Guest Lectures
   Chap. 22, pp. 318-335
   Chap. 24, pp. 352-371

4. MTG 13 Plumbing Examples 
   MTG 14 Plumbing Examples 
   MTG 15 Water Supply for Fire & HVAC 
   MTG 16 Building Plumbing; A Mechanical Engineering Concept 
      Assignments #5 & #6 Due

   Chap. 25, pp. 372-383
   Chap. 25, pp. 384-395
   Chap. 26, pp. 397-408

5. MTG 17 Building Plumbing; A Mechanical Subcontractor’s View 
   MTG 18 Review for Exam #2 
   MTG 19 Exam #2- Plumbing 
   MTG 20 Electrical Basics 
      Assignments #7 Due

   Chap. 22, 24-26 & Guest Lectures
   Chap. 8, pp. 112-117

6. MTG 21 Generation & Distribution 
   MTG 22 Residential Electrical 
   MTG 23 Commercial Electrical 
   MTG 24 Example Office Building, 
      An Electrical Engineering Concept 
      Assignments #8, #9 & #10 Due

   Chap. 9, pp. 119-125
   Chap. 10, pp. 127-139
   Chap. 11, pp. 141-149
   Chap. 12, pp. 151-181

WK  MEETING TOPIC READING ASSIGNMENT

7. MTG 25 Example Office Building, 
      An Electrical Subcontractor’s View 
      Review for Exam #3
   MTG 26 Exam #3- Electrical 
      Review for Final Exam 

   Chap. 12, pp. 151-181
   Chapters 4, 8-12 & Guest Lectures
Justification CM 3200

CM 3200 and 3201 have same content and learning outcomes; however, they are designed and delivered for two different types of students, somewhat similar to the Honors classes on campus. CM 3201 is being delivered in a traditional campus 14 week lecture format typical of students in their first semester sophomore year in college. In contrast, CM 3200 is being delivered 100% web instruction and has been designed for a more mature, disciplined student that has previously obtained a Bachelor of Science degree. In addition, CM 3200 is faster paced, with higher learning expectations, and is being taught within 7 weeks.
REQUEST FOR ADDITION OF NEW COURSE

Department: Construction Management Engineering

Date: 12/5/12

PROPOSED COURSE
Rubric & No.: CM 2500
Title: Structural Principles & Practices

COURSE CREDIT
Graduate Credit: ___ YES ___ NO

Semester Hours of Credit: _____ (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: CM 2501

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

(Indicate rubrics and course numbers)

COURSE TYPE
(Indicate hours in the appropriate course type)

      LEC/REC     LEC/SEM     LEC     LAB     LEC/LAB     SEM     CLIN/PRACT     RES/IND
1

Maximum enrollment per section: 40 (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)

2500 Structural Principles and Practices. Credit will not be given for this course and CM 2501. Statics and strengths of materials; design of ordinary timber, steel, and reinforced concrete for construction applications. Intended for post baccalaureate leveling for non-CM majors.

BUDGET IMPACT
If this course is approved, will additional staff be needed? ___ YES ___ NO
Will additional space, equipment, special library materials or other major expense be involved? ___ 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? Yes, but replaces the duplicate course. See justification.

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: 03/08/13
College Faculty Approval: 07/12/13

Department Chair's Signature: ____________ Date: ____________
College Dean's Signature: ____________ Date: ____________
Graduate Dean's Signature (for 4000 level and above): ____________ Date: ____________
College Contact: Lisa Launey
College Contact E-mail: eglauw@eng.lsu.edu

Chair, FS CEC Committee: ____________ Date: ____________
Academic Affairs Approval: ____________ Date: ____________
CM 2500 Structural Principles & Practices

TERM : 
CLASS TIME & LOCATION :
FACULTY : Kirby Hebert  
112C Construction Management Building  
225-578-5339  
khebe31@lsu.edu

OFFICE HOURS :

WEBSITE : Moodle will be used for announcements, posting of solutions, etc. Students are responsible for all announcements made in class or distributed to the class through Moodle or e-mail. Course information, announcements and grades will also typically be posted on Moodle. Students should check these locations periodically for important updates and information you may have missed.

CATALOG COURSE DESCRIPTION : 2500 Structural Principles and Practices. Credit will not be given for this course and CM 2501. Statics and strengths of materials; design of ordinary timber, steel, and reinforced concrete for construction applications. Intended for post baccalaureate leveling for non-CM majors.

COURSE OBJECTIVES & OUTCOMES : This course is intended to serve as an introduction to the basic principles of statics and strengths of materials, and the application of these principles to the fundamentals of structural analysis and design. Following successful completion of this course, it is expected that students will be able to:

- calculate support reactions on a structure due to external loads.
- determine sectional properties of cross sections.
- determine forces in truss members.
- determine axial stress and strain due to mechanical and thermal loads.
- explain the elastic behavior of materials.
- determine loads, shear, bending moment in beams.
- determine bending stress, shear stress, and deflection in beams.
- determine the distribution of loads for floor framing systems.
- design a simple beam based on loading and selection criteria.
- summarize design concepts for steel, wood and reinforced concrete beams.
- determine the critical buckling loads and stresses on a column.

GRADE POLICY : Quizzes/Homework 25%  
Exam #1 25%  
Exam #2 25%  
Final Exam 25%  

GRADE SCALE : A ≥ 90  
B ≥ 80 and < 90  
C ≥ 70 and < 80  
D ≥ 60 and < 70  
F < 60
### CM 2500 Structural Principles & Practices

**Course Outline & Assignment Sheet**

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Read Shaeffer by Sections</th>
<th>Read Quizzes by Chapter</th>
<th>Homework Problems by 5th Edition problem numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Course Introduction, Forces and Vectors</td>
<td>1.1 - 2.4</td>
<td>Sh-1 Sa-1,2,3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Equilibrium of concurrent forces</td>
<td>2.5 - 2.7</td>
<td>Ch2) 1, 2, 3, 4, 5, 6, 8</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Moments</td>
<td>2.8</td>
<td>Ch2) 11, 12, 13, 14, 17, 18</td>
<td></td>
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<tr>
<td></td>
<td>Cantilevers</td>
<td>2.9</td>
<td>Ch2) 20, 22, 23</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Reactions</td>
<td></td>
<td>Sh-5 Sa-4,5,6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2-Force Members</td>
<td>2.10</td>
<td>Ch2) 24, 25, 26, 23</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Shed &amp; Gable Members / Stability / Determinacy</td>
<td>2.12 - 2.13</td>
<td>Ch2) 28, 29, 30M, 32, 33, 35</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Pinned Frames</td>
<td>2.14</td>
<td>Ch2) 36, 37M, 42</td>
<td></td>
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<tr>
<td></td>
<td>Pinned Frames</td>
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<td>Ch2) 44, 50</td>
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<td></td>
<td>Cables</td>
<td>2.15</td>
<td>Ch2) 55, 56, 57M</td>
<td></td>
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<tr>
<td>5</td>
<td>Trusses</td>
<td>12.1 - 12.5</td>
<td>Sa-7,8,9,10</td>
<td>Ch12) 1, 1M, 7, 19, 20, 23</td>
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<tr>
<td></td>
<td><strong>Test 1</strong></td>
<td></td>
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<tr>
<td>6</td>
<td>Centroid</td>
<td>3.1 - 3.2</td>
<td>Ch3) 1, 2, 4, 5, 6, 11, 13</td>
<td></td>
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<tr>
<td></td>
<td>M of Inertia, Parallel axis</td>
<td>3.3 - 3.5</td>
<td>Ch3) 14, 15, 17, 22, 25, 32</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Axial Stress - Strains / Materials</td>
<td>4.1 - 5.6</td>
<td>Sa-11,12,13,14</td>
<td>Ch4) 1-8, 9, 9M, 11, 13, 15, 17-23, 26</td>
</tr>
<tr>
<td></td>
<td>Shear and Moment Diagrams</td>
<td>6.1 - 6.5</td>
<td>Ch6) 1-12, 14, 16, 26, 27</td>
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</tr>
<tr>
<td>8</td>
<td>Shear and Moment Diagrams</td>
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<td></td>
<td>Beam Formulas</td>
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<tr>
<td>9</td>
<td>Bending Stress</td>
<td>7.1 - 7.5</td>
<td>Sa-15,16,17</td>
<td>Ch7) 1-4, 6, 7, 10, 12, 15-18, 21</td>
</tr>
<tr>
<td></td>
<td>Shear Stress</td>
<td>8.1 - 8.5</td>
<td>Ch8) 1, 4, 5, 8, 10, 11, 12, 15</td>
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<tr>
<td>10</td>
<td><strong>Test 2</strong></td>
<td></td>
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<tr>
<td></td>
<td>Deflection</td>
<td>9.1, 9.3, 9.4, 9.5</td>
<td>Ch9) 10, 12, 14</td>
<td></td>
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<tr>
<td>11</td>
<td>Framing</td>
<td>10.1-10.6</td>
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<td></td>
<td>Design Methodologies</td>
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<tr>
<td>12</td>
<td>Steel Beam Design</td>
<td>10.7-10.9</td>
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<td></td>
<td>Wood Beam Design</td>
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<td></td>
<td>Ch10) 1, 2, 5, 6, 7</td>
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<tr>
<td>13</td>
<td>Reinforced Concrete Beam Design</td>
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<td></td>
<td>Handout</td>
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<tr>
<td>14</td>
<td>Columns</td>
<td>11.1 - 11.7</td>
<td></td>
<td>Ch11) 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 19, 20, 21, 22</td>
</tr>
</tbody>
</table>
Justification CM 2500

CM 2500 and 2501 have same content and learning outcomes; however, they are designed and delivered for two different types of students, somewhat similar to the Honors classes on campus. CM 2101 has being delivered in a traditional campus 14 week lecture format typical of students in their first semester sophomore year in college. In contrast, CM 2500 is being delivered 100% web instruction and has been designed for a more mature, disciplined student that has previously obtained a Bachelor of Science degree. In addition, CM 2500 is faster paced, with higher learning expectations, and is being taught within 7 weeks.
REQUEST FOR ADDITION OF NEW COURSE

Department: Construction Management Date: 12/5/12
Engineering

College: ________________________________

PROPOSED COURSE

Short Title: STRUCTURAL PRINCIPLES
Rubric & No.: CM 2501 Title: Structural Principles & Practices

COURSE CREDIT

Graduate Credit: 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: CM 2500

(Indicate rubrics and course numbers)

GRADING

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

(Assign 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 3 LEC __ LAB / LEC/LAB __ SEM ___ CLIN/PRACT ___ RES/NO

Maximum enrollment per section: 40 (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)

2501 Structural Principles and Practices. Math 1550 or equivalent, and PHYS 2001. Credit will not be given for this course and CM 2500. Statics and strengths of materials; design of ordinary timber, steel, and reinforced concrete for construction applications.

BUDGET IMPACT

If this course is approved, will additional staff be needed? YES NO

Will additional space, equipment, special library materials or other major expense be involved? 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? Yes

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 03/08/13 (date)
07/12/13 (date)
Department Chair's Signature ____________________________
College Dean's Signature ____________________________
(nature)
College Dean's Signature (for 4000 level and above) ____________________________
(date)
College Contact: Lisa Launey ____________________________
(Please print name.)
College Contact E-mail: egiaun@eng.lsu.edu ____________________________

College Faculty Approval 9/6/13 (date)
College Dean's Signature ____________________________
Chair, FS C&C Committee ____________________________
(dated)
Academic Affairs Approval 10/1/13 (date)
CM 2501 Structural Principles & Practices

**TERM**

**CLASS TIME & LOCATION**

**FACULTY**

Kirby Hebert  
112C Construction Management Building  
225-578-5339  
khhebert@ajsu.edu

**OFFICE HOURS**

**WEBSITE**

Moodle will be used for announcements, posting of solutions, etc. Students are responsible for all announcements made in class or distributed to the class through Moodle or e-mail. Course information, announcements and grades will also typically be posted on Moodle. Students should check these locations periodically for important updates and information you may have missed.

**CATALOG COURSE DESCRIPTION**

2501 Structural Principles and Practices. Math 1550 or equivalent, and PHYS 2001. Credit will not be given for this course and CM 2500. Statics and strengths of materials: design of ordinary timber, steel, and reinforced concrete for construction applications.

**COURSE OBJECTIVES & OUTCOMES**

This course is intended to serve as an introduction to the basic principles of statics and strengths of materials, and the application of these principles to the fundamentals of structural analysis and design. Following successful completion of this course, it is expected that students will be able to:

- calculate support reactions on a structure due to external loads.
- determine sectional properties of cross sections.
- determine forces in truss members.
- determine axial stress and strain due to mechanical and thermal loads.
- explain the elastic behavior of materials.
- determine loads, shear, bending moment in beams.
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- determine the distribution of loads for floor framing systems.
- design a simple beam based on loading and selection criteria.
- summarize design concepts for steel, wood and reinforced concrete beams.
- determine the critical buckling loads and stresses on a column.

**GRADE POLICY**

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes/Homework</td>
<td>25%</td>
</tr>
<tr>
<td>Exam #1</td>
<td>25%</td>
</tr>
<tr>
<td>Exam #2</td>
<td>25%</td>
</tr>
<tr>
<td>Final Exam</td>
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</tbody>
</table>

**GRADE SCALE**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Score Range</th>
</tr>
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<tbody>
<tr>
<td>A</td>
<td>≥ 90</td>
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<tr>
<td>B</td>
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<td>≥ 70 and &lt; 80</td>
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<tr>
<td>D</td>
<td>≥ 60 and &lt; 70</td>
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<tr>
<td>F</td>
<td>&lt; 60</td>
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</tbody>
</table>

**OUT OF CLASS EXPECTATION**

It is expected that the students have read the assigned chapters or pages prior to class for the background necessary to properly participate in the discussion and think critically about the concepts addressed. As a general policy, for each hour you are in class, you (the student) should plan to spend at least two hours preparing for the next class. Since this course is for three credit hours, you should expect to spend around six hours outside of class each week reading or writing assignments for the class.
## CM 2501 Structural Principles & Practices
### Course Outline & Assignment Sheet

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<td>Reactions</td>
<td></td>
<td>Sh-5, Sa-4,5,6</td>
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<td>9</td>
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<td>Test 1</td>
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<td>15</td>
<td>Shear Stress</td>
<td>8.1 - 8.5</td>
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<td>Ch8) 1, 4, 5, 8, 10, 11, 12, 15</td>
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<tr>
<td>16</td>
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<td>17</td>
<td>Design Methodologies</td>
<td>10.1-10.6</td>
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<tr>
<td>18</td>
<td>Steel Beam Design</td>
<td>10.7-10.9</td>
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<tr>
<td>19</td>
<td>Wood Beam Design</td>
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<td></td>
<td>Ch10) 1, 2, 5, 6, 7</td>
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<tr>
<td>20</td>
<td>Reinforced Concrete Beam Design</td>
<td>Handout</td>
<td></td>
<td>Ch11) 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 19, 20, 21, 22</td>
</tr>
<tr>
<td>21</td>
<td>Columns</td>
<td>11.1 - 11.7</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Justification CM 2501

Prerequisite MATH 1550 and PHY 2001

Formerly CM 3501. For LSU A&M undergraduate students, they will need these math and physics courses before proceeding to CM 2501. The vast majority of undergraduates in our program typically do not possess the experience or self-discipline to grasp the concepts in CM 2501 and need some assistance prior to entering the course; hence the prerequisite as it contains enhanced topics leading into CM 2501. This CM 2501 will be offered in a traditional lecture format on the campus of LSU. It will be listed/scheduled during the regular 14 week academic LSU semester.

CM 3501 will be dropped in the Spring 2014.
REQUEST FOR ADDITION OF NEW COURSE

Department: Construction Management
Engineering

College:

Date: 5/7/13

PROPOSED COURSE
Short Title: Construction Safety (≤ 19 characters)
Rubric & No.: CM 2215
Title: Construction Safety

COURSE CREDIT
Graduate Credit: 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:

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

(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: 40
(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)
2215 Construction Safety (3) Construction safety relating to accident causation; contractual obligations; project management and coordination.

BUDGET IMPACT
If this course is approved, will additional staff be needed? YES NO
Will additional space, equipment, special library materials or other major expense be involved? YES 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 and how it fits into the curricula. Will the course duplicate other courses? Yes, but it replaces the duplicate course. See justification.
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 03/08/13
(date)

Department Chair's Signature 07/12/13
(date)

College Faculty Approval 9/6/13
(date)

College Dean's Signature 9/27/13
(date)

Graduate Dean's Signature (for 4000 level and above) 10/1/13
(date)

College Contact:
(Please print name)

College Contact E-mail:

Academic Affairs Approval 1/28/13
CM 2215 Construction Safety

TERM: TBA
CLASS TIME: TBA
CLASS LOCATION: TBA

FACULTY: TBA
OFFICE: TBA
PHONE: TBA
EMAIL: TBA

WEBSITE: Moodle will be used for this course.

CATALOG COURSE DESCRIPTION:
CM 2215 Construction Safety (3) Construction safety relating to accident causation; contractual obligations; project management and coordination.

COURSE OBJECTIVES & OUTCOMES:
The goal of this course is to familiarize construction managers with construction safety issues and practices, specifically in the areas of construction accident causation and the role of construction project management and coordination in safety, as well as the roles of other participants in a construction project concerning construction site safety. Upon completion of this course, students will demonstrate this by being able to:
1. Identify employee/employer rights under OSHA
2. Identify and calculate the costs of an accident
3. Identify, interpret, and calculate incident rates
4. Use the OSHA and BLS websites to search public safety records
5. Identify applicable safety policies in CFR's 1904, 1910, and 1926
6. Identify work related hazards and control techniques
7. Create job safety analyses for construction processes
8. List the basic steps of accident investigation
9. Differentiate between safety audits and safety inspections
10. Prepare and present safety training
11. Identify ethical issues of safety policies and practices

GRADE POLICY:
Compliance Case 20%
Presentations 20%
COSS Registration 20%
Quizzes 20%
Exams 20%

GRADE SCALE:
A 90-100%
B 80-89.5%
C 70-79.5%
D 60-69.5%
F 0-59.5%

COURSE MATERIALS AND RESOURCES:
Text Books:
-Certified Occupational Safety Specialist Student Workbook by Richard Saizan

COMMUNICATION INTENSIVE COURSE:
CM 2215 emphasizes written and spoken communication techniques and may be taken as a "Communication-Intensive (C-I) Course". For more information about C-I courses and the "High-Level Communicator" certification, see http://cxc.lsu.edu. If you would like this course to count towards this certification, you must sign a contract with the instructor by the end of the second week of class.

OFFICE OF DISABILITY SERVICES:
If you have a disability that may have some impact on your work in this class and for which you may require accommodations, please see a staff member in the Office of Disability Services (112 Johnston Hall) so that such accommodations can be considered. Students that receive accommodation letters, please meet with the instructor to discuss the provisions of those accommodations as soon as possible.
Exams (20%)
A midterm exam (10%) will be given during the class period indicated on the schedule. The final exam (10%) will be given at the time designated by the University and will be comprehensive. You will need to provide a small scantron (4.25x11) and a number 2 pencil to take each of these exams. There are no make-up exams.

Quizzes (20%)
Ten quizzes (2% each) will be given throughout the semester and will typically focus on lecture concepts, assigned readings, and/or homework assignments from the most recent class periods. All quizzes are unannounced. Quizzes are also measuring and assessing class attendance and participation, therefore there are no make ups for any missed quiz.

COSS Registration (20%)
You must purchase and register your Certified Occupational Safety Specialist Student Workbook with the Baton Rouge Alliance Safety Council. In order to accomplish this, you must purchase a new copy. Currently, the LSU Union bookstore is the only authorized reseller of this text or you may purchase it directly from the Baton Rouge Alliance Safety Council. Each book contains a unique code inside the front cover that will identify you in the registration process. A link will be provided on Moodle to complete the registration process. Failure to register by the midterm exam will result in a category grade of zero.

Compliance Cases (20%)
Compliance case studies will be given during the semester. They will require the student to identify the OSHA compliance issues involved in safety scenario. Due dates will be announced in class and posted on Moodle. All cases turned in late will have one letter grade deducted for every day that they are late.

Presentations (20%)
Two person groups will be formed for class presentations. Each group will be required to prepare a five minute presentation on a safety topic assigned by the instructor AND a five minute presentation on an ethics topic related to the course topics. All presentations that are late will have two letter grades deducted for every class period that they are late.

Lecture course
It is expected that the students have read the assigned chapters or pages prior to class for the background necessary to properly participate in the discussion and think critically about the concepts addressed. As a general policy, for each hour you are in class, you (the student) should plan to spend at least two hours preparing for the next class. Since this course is for three credit hours, you should expect to spend around six hours outside of class each week reading or writing assignments for the class.

NOTE: NEATNESS COUNTS ON EVERYTHING SUBMITTED FOR THIS CLASS!

Safety Cards and COSS Certification
In addition to meeting the requirements of this course, each student has the opportunity to satisfy both OSHA and COSS requirements necessary to receive an OSHA ten hour general industry and construction safety card as well as a COSS certificate upon completion of this course. Receiving these cards is not a requirement of this course.

University/Department/Course Policies:
1. No eating or drinking or use of tobacco products is allowed in CM classrooms.
2. Turn cell phones off, or place on the silent mode. Do not take calls or reply to messages in class.
3. Attendance and participation are required. In the event of an absence, it is the student's responsibility to obtain lecture notes and assignments, and otherwise compensate for whatever may have been missed. There are no make-up quizzes. All assignments turned in late will have one letter grade deducted for every day that they are late.
4. Academic dishonesty will be dealt with according to university regulations and policy. It is each student's responsibility to understand these regulations. Students may help one another on assignments. However, copying a file from someone else, turning in someone else's work as your own, or allowing your work to be copied by someone else is considered cheating.
5. Copied or plagiarized work will not be accepted. Students are responsible for citing all work properly. Proper citation and attribution is expected for all non-original material submitted. Students are expected to be familiar with the plagiarism policy as set forth by the university in the Code of Student Conduct (Louisiana State University, 2009). For more information about plagiarism, the different types of plagiarism or how to cite sources properly refer to http://www.plagiarism.org/.
6. Students are expected to assist in maintaining a classroom environment that is conducive to learning. To create an environment in which learning is the primary objective, students are asked to refrain from disruptive behaviors, tardiness, leaving early, sleeping, prolonged visiting with other students, and making inappropriate or offensive remarks. This is not a comprehensive list – in general, treat others with respect.
7. Campus-based and/or web-based library usage is required.

Class Contacts
Record the names, phone numbers, and email addresses of some of your classmates. These members of the class are valuable resources for notes, assignments, announcements, etc. that are needed in the case of an absence from class.

Student Name: __________ Phone Number: ___________ E-Mail Address: ___________@tigers.lsu.edu

Student Name: __________ Phone Number: ___________ E-Mail Address: ___________@tigers.lsu.edu

<table>
<thead>
<tr>
<th>Week</th>
<th>Topics</th>
<th>Readings</th>
<th>Assignments</th>
<th>Presentation</th>
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<tr>
<td>1</td>
<td>Course Introduction</td>
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<td>OSHA Introduction</td>
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<td>Text Chapter 1 questions</td>
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<td>COSS 1-3</td>
<td>COSS Exercise 4</td>
<td>S1 / E20</td>
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<td>OSHA Overview</td>
<td>COSS 1-4</td>
<td>COSS Exercise 6</td>
<td>S2 / E19</td>
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<td>Using the CFR’s</td>
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<td>COSS Exercise 7</td>
<td>S3 / E18</td>
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<td>S4 / E17</td>
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<td>COSS 2-1</td>
<td>COSS Exercise 8</td>
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<td>Hazard Identification and Controls</td>
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<td>6</td>
<td>Multi-Employer Worksites</td>
<td>COSS 2-2</td>
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<td>6</td>
<td>Focused Inspections</td>
<td>COSS 2-3</td>
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<td>S5 / E16</td>
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<td>Managing Safety</td>
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<td>S6 / E15</td>
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<td>S7 / E14</td>
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<td>Text Chapter 10</td>
<td>Text Chapter 8 questions</td>
<td>S8 / E13</td>
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<td>9</td>
<td>Worksite Analysis</td>
<td>Text Chapter 11</td>
<td>Text Chapter 11 questions</td>
<td>S9 / E12</td>
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<td>Job Safety Analysis</td>
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<td>Text Chapter 9 questions</td>
<td>S11 / E10</td>
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<td>COSS 3-1</td>
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<td>S12 / E9</td>
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<td>Audits</td>
<td>COSS 3-2</td>
<td>COSS Exercise 14</td>
<td>S13 / E8</td>
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<td>S17 / E4</td>
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<td>S18 / E3</td>
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<td>Elements of a Safety Program</td>
<td>Text Chapter 12 COSS 4-3</td>
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**Justification CM 2215**

The Department of Construction Management is requesting the creation of CM 2215 to replace CM 3000. Topical content is remaining the same; however, plans are to drop this course from the curriculum in March of 2014 as per our Transition Plan. Making it a 2000 level course will facilitate course and program articulation with Baton Rouge Community College as well as the new CM curriculum plan.
REQUEST FOR ADDITION OF NEW COURSE

Department: Construction Management Engineering

College:

Date: 4/16/13

PROPOSED COURSE

Rubric & No.: 2103

Title: CONSTRUCTION MATERIALS AND METHODS II

COURSE CREDIT

Graduate Credit: YES  x  NO

Semester Hours of Credit: 3.0 (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:

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 
3 LEC _ LAB _ LEC/LAB _ SEM _ CLIN/PRACT _ RESIND

Maximum enrollment per section: 75 (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)

CM 2103 - Materials and Methods II (3) Prereq.: CM 1102. Basic fundamentals of materials and methods used in the industrial and highway construction sectors.

BUDGET IMPACT

If this course is approved, will additional staff be needed? YES  x  NO

(If answer to either question above is "yes" attach explanation.) Will additional space, equipment, special library materials or other major expense be included? YES  x  NO

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? Yes, but replaces the course. See justification

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 03/08/13

College Faculty Approval 9/16/13

Department Chair's Signature

(07/12/13)

College Dean's Signature (for 4000 level and above) (date)

Chair, F&S C&C Committee (date)

College Contact:

(Please print name)

College Contact E-mail:

Academic Affairs Approval (date)
CM 2103—CONSTRUCTION MATERIALS AND METHODS II

TERM : Spring semesters only
CLASS TIME & LOCATION :
FACULTY : TBA
OFFICE HOURS :
WEBSITE : http://www.cm.lsu.edu

COURSE DESCRIPTION : CM 2103 – Construction Materials and Methods II (Industrial and Highway Construction) (3) Prereq.: CM 1102. Basic fundamentals of materials and methods used in the industrial and highway construction sectors.

OBJECTIVE : The course is designed to provide the student with a working knowledge of the materials and methods used in the construction industry in both industrial and highway applications.

TOPICS :
1. Industrial Thermal Insulation
2. Fireproofing, Refractory, and Grout
3. Corrosion and Protective Coatings
4. Industrial Piping and Components
5. Earthwork
6. Base and Surface Courses
7. Asphalt and Concrete Pavements
8. Drainage Systems

COURSE GOALS (OUTCOMES) : Following successful completion of this course, it is expected that students will:
1. Develop a basic understanding of industrial thermal insulation materials and applications.
2. Develop a basic understanding of fireproofing, refractory, and grout materials and applications.
3. Develop a basic understanding of protective coating material and applications.
4. Develop a basic understanding of industrial piping and component materials and applications.
5. Develop a basic understanding of earthwork applications.
6. Develop a basic understanding of base and surface materials and applications.
7. Develop a basic understanding of asphalt and concrete materials and applications.
8. Develop a basic understanding of drainage system materials and applications.

Quizzes will correspond to the weekly topical content. Written assignments are components of the course objectives listed above.

COURSE MATERIALS :
Textbook(s):
Other: 4-Function Calculator

GRADE POLICY :

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<th>Component</th>
<th>Weight</th>
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<th>SCALE</th>
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<tr>
<td>Final Exam</td>
<td>30%</td>
<td>C</td>
<td>70 - 79.9999</td>
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<tr>
<td>Quizzes / Assignments</td>
<td>10%</td>
<td>D</td>
<td>60 - 69.9999</td>
</tr>
<tr>
<td></td>
<td></td>
<td>F</td>
<td>≤ 59.9999</td>
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</tbody>
</table>

OUT OF CLASS EXPECTATION : It is expected that the students have read the chapters prior to class for the background necessary to properly learn the content and apply the concepts addressed. As a general policy, for each hour you are in class, you (the student) should plan to spend at least two hours on preparing for the next class and completing homework and laboratory assignments.
Construction Materials and Methods II

Course Topics by week

1. Types of Corrosion, Methods of Corrosion Control, Surface Preparation, Protective Coatings/Materials
2. Scaffolding, Industrial Thermal Insulation – Design Considerations
3. Industrial Thermal Insulation – Basic Materials, Securements, Finishes, & Accessories
4. Fireproofing, Refractory, Grout (cement and epoxy)
5. Industrial Piping – Functions, Terms, and Classifications
6. Industrial Piping – Nomenclature, Flanges, Bolts, Gaskets, and Valves
7. Industrial Piping – Fittings, Accessories, Pipe Supports
8. Welding, Non-Destructive Examinations (Radiography, Dye Penetrate, etc), Positive Material Identification (PMI), Pre and Post Weld Heat Treatment
9. In-line Instrumentation (Flow Elements, Specialty Items, Level gauges, etc), Steam traps, Strainers, Electrical (grounding, wire, conduit, cable tray)
10. Earthwork (Clearing and Grubbing, General Excavation, Embankment, and Temporary Erosion Control)
11. Base Courses (Class I & Class II Base Courses, In-place Cement Stabilized Base Course, and Lime Treatment)
13. Portland Cement Concrete Pavements (Portland Cement Concrete Mixes, Joins, and Curb & Gutters)
14. Drainage Systems (Culverts, Storm Drains, Bedding Materials, Manholes, Sumps, Junction Boxes, Catch Basins, and Jacked & Bored Pipe)

Justification CM 2103

This course is needed to provide students with a core material/method knowledge base conducive to the various industry types.

It replaces CM 2131 Materials, Methods, and Equipment. This proposed course significant overlaps CM 2131; however, plans are to drop this course from the curriculum in March of 2014 as per our Transition Plan.
REQUEST FOR ADDITION OF NEW COURSE

DEPARTMENT: Construction Management
COLLEGE: Engineering

PROPOSED COURSE

Short Title: CONSTRUCTION ESTIMATING (≤ 19 characters)
Rubric & No.: CM 3110
Title: Construction Estimating

COURSE CREDIT

Graduate Credit: YES X NO
Semester Hours of Credit: 3
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: CM 3111

GRADING

Final Exam: YES X NO Grading System: 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 / RESIND
Maximum enrollment per section: 40 (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)
3110 Construction Estimating (3). Credit will not be given for this course and CM 3111. Fundamentals of estimating including document review, quantity survey, material, equipment & labor pricing and bid package preparation for construction projects. Intended for post baccalaureate leveling for non-CM majors.

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.)

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? Yes, see justification
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 03/08/13
College Faculty Approval 9/6/13

Department Chair's Signature 07/12/13
College Dean's Signature 9/27/13
Graduate Dean's Signature (for 4000 level and above) Lisa Launey 10/3/13
College Contact: Lisa Launey (Please print name.)
College Contact E-mail: eglaun@eng.lsu.edu

Academic Affairs Approval 10/6/13
CM 3110
CONSTRUCTION ESTIMATING

TERM : Spring 2013
CLASS TIME & LOCATION
Section 1: Monday/Wednesday
Section 2: Tuesday/Thursday

FACULTY : Dennis Spring
2514 B, Patrick F. Taylor Hall
cspri1@lsu.edu
225-578-9175

OFFICE HOURS : 10:00 am-Noon M T W TH

CATALOG COURSE DESCRIPTION : 3110 Construction Estimating (3). Credit will not be given for this course and CM 3111. Fundamentals of estimating including document review, quantity survey, material, equipment & labor pricing and bid package preparation for construction projects. Intended for post baccalaureate leveling for non-CM majors.

COURSE OBJECTIVES & OUTCOMES : To provide the student with the knowledge and skills to effectively examine construction documents; generate the required quantities for construction procedures; properly price the materials, labor & equipment associated with these quantities; integrate sub-contractor quotes; and compile a complete bid package for a construction project.

Following successful completion of this course, it is expected that students will:

Objective 1: be familiar with construction documents and the presentation of construction project information.
Objective 2: be able to quantify various items of site work, concrete, masonry, steel, carpentry, drywall, and finishes.
Objective 3: determine proper pricing of items of work including material & equipment cost, labor estimates including productivity and efficiency factors.
Objective 4: analyze subcontractor bids and determine the most effective combination of subs.
Objective 5: determine both project and office indirect and overhead costs for each project.
Objective 6: compile and prepare complete bid for a construction project.

GRADE POLICY : Your final grade in this course will be determined as follows:

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<tr>
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<th>Points</th>
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<td>Test 2</td>
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<td>80 pts.</td>
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<td>Test 4</td>
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<td>D</td>
<td>60 – 69.9999</td>
</tr>
<tr>
<td>F</td>
<td>≤ 59.9999</td>
</tr>
</tbody>
</table>

**COURSE MATERIALS AND RESOURCES**


Materials and Equipment - you will need a calculator, Architect's scale, Engineering pad and colored pencils.

The plan sheets and other information that you will need for the Final Project will be available at [http://www.cmie.lsu.edu/~cmie/coursesites/cm3121/](http://www.cmie.lsu.edu/~cmie/coursesites/cm3121/). The examples in your text can be used as a guide. You will need to turn in all calculations and a complete spreadsheet printout similar to the Estimating Sheets you will receive.

**CM 3110 Course Outline & Assignment Sheet**

(This Schedule is subject to change with notification by instructor)

**COURSE OUTLINE**

<table>
<thead>
<tr>
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<th>MTG.</th>
<th>TOPIC</th>
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<td>Introduction to Estimating</td>
<td>Ch. 1, pp. 1-15</td>
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<td>1</td>
<td>MTG. 2</td>
<td>Estimating Process</td>
<td>Ch. 2, pp. 17-33</td>
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<tr>
<td>2</td>
<td>MTG. 3</td>
<td>Measuring Quantities</td>
<td>Ch. 3, pp. 35-54</td>
</tr>
<tr>
<td>2</td>
<td>MTG. 4</td>
<td>TEST #1</td>
<td>Chapters 1, 2 &amp; 3</td>
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<td>MTG. 5</td>
<td>Soils; Cut/fill</td>
<td>Ch. 4, pp. 55-65, Handout</td>
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<td>3</td>
<td>MTG. 6</td>
<td>Trenching &amp; Piles</td>
<td>Ch. 4, pp. 62-77</td>
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<td>4</td>
<td>MTG. 7</td>
<td>Site work Takeoff</td>
<td>Ch. 4, pp. 77-101</td>
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<td>4</td>
<td>MTG. 8</td>
<td>Pricing Earthwork</td>
<td>Ch. 10, pp. 221-245</td>
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<td>MTG. 9</td>
<td>Pricing Site work</td>
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<td>5</td>
<td>MTG. 10</td>
<td>TEST #2</td>
<td>Chapters 4 &amp; 10 (Earthwork)</td>
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<td>MTG. 11</td>
<td>Measuring Concrete</td>
<td>Ch. 5, pp. 111-126</td>
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<td>Ch. 11, pp. 247-269</td>
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<td>Pricing Concrete</td>
<td>Ch. 11, pp. 269-280</td>
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<td>Handouts</td>
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<td>8</td>
<td>MTG. 16</td>
<td>TEST #3</td>
<td>Chapters 5, 11 &amp; Handouts</td>
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<td>Measuring Masonry</td>
<td>Ch. 6, pp. 139-150</td>
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<td>MTG. 18</td>
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**CM 3110: COURSE OUTLINE (cont.)**

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<td>MTG. 20</td>
<td>TEST #4</td>
<td>Chapters 6 &amp; 12</td>
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<td>MTG. 21</td>
<td>Measuring/Pricing Steel</td>
<td>Handouts</td>
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<td>MTG. 22</td>
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<td>Ch. 14, pp. 335-355</td>
</tr>
<tr>
<td>13</td>
<td>MTG. 26</td>
<td>Pricing General Expenses</td>
<td>Handouts</td>
</tr>
<tr>
<td>14</td>
<td>MTG. 27</td>
<td>Close Out Costs &amp; Sub Prices</td>
<td>Handouts</td>
</tr>
<tr>
<td>14</td>
<td>MTG. 28</td>
<td>REVIEW &amp; FINAL PROJECT DUE</td>
<td></td>
</tr>
</tbody>
</table>

^"In class" exercises will be given as needed.

**SCHEDULE OF DUE DATES:**

- TEST #1 (Ch. 1, 2 & 3) .................................................. WK. 2, MTG. 4
- TEST #2 (Ch. 4 & 10) .................................................... WK. 5, MTG. 10
- TEST #3 (Ch. 5, 11 & Handouts) ..................................... WK. 8, MTG. 16
- TEST #4 (Ch. 6 & 12) .................................................... WK. 10, MTG. 20
- TEST #5 (Struct. Steel Handouts) ................................... WK. 12, MTG. 24
- FINAL PROJECT .......................................................... WK. 14, MTG. 28
- FINAL EXAM .............................................................. Per Final Exam Schedule

*These are the planned times for these events. They may change during the Module. Any changes will be announced.

---

**Justification CM 3110**

CM 3110 and 3111 have same content and learning outcomes; however, they are designed and delivered for two different types of students, somewhat similar to the Honors classes on campus. CM 3111 is being delivered in a traditional campus 14 week lecture format typical of students in their first semester sophomore year in college. In contrast, CM 3110 is being delivered 100% web instruction and has been designed for a more mature, disciplined student that has previously obtained a Bachelor of Science degree. In addition, CM 3110 is faster paced, with higher learning expectations, and is being taught within 7 weeks.
REQUEST FOR ADDITION OF NEW COURSE

Department: Construction Management
Engineering

Date: 10/31/12

College: ____________________________

PROPOSED COURSE

Short Title: CNST CONTRACTING

Rubric & No.: CM 4210
Title: CONSTRUCTION CONTRACTING

COURSE CREDIT

Graduate Credit: YES X 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: CM 4211

(Indicate rubrics and course numbers)

GRADING

Final Exam: X YES NO
Grading System: ___ 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 ___ CUN/PRACT ___ RES/ND

Maximum enrollment per section: 40 (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)

4210 Construction Contracting (3) Credit will not be given for this course and CM 4211. Principles and theory of construction company ownership and organization, the estimate and bid process, construction contracts, bonds, and insurance, business methods and plans, management, and administration, labor law and relations, safety, and avoidance of claims. Intended for post baccalaureate leveling for non-CM majors.

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? X YES NO

(Antw 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? Yes, see justification

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 03/08/13 (date)

Department Chair's Signature ________________

(date)

College Dean's Signature ________________

(date)

College Contact: Lisa Launey

(Please print name)

College Contact E-mail: eglanun@eng.lsu.edu

07/12/13

College Faculty Approval 9/6/13 (date)

Chair, FS C&C Committee ________________

(date)

Academic Affairs Approval (date)
INSTRUCTOR: Don R. Schneider, 3128 Patrick F. Taylor Hall, E-MAIL-dschne22@lsu.edu
PH. 225.921.0909. Office hours by appointment. Available for online chat by appointment.

COURSE DESCRIPTION: 4210 Construction Contracting (3) Credit will not be given for this course and CM 4211. Principles and theory of construction company ownership and organization, the estimate and bid process, construction contracts, bonds, and insurance, business methods and plans, management, and administration, labor law and relations, safety, and avoidance of claims. Intended for post baccalaureate leveling for non-CM majors.

TEXT:
1. *Construction Contracting*, Richard H. Clough, Glenn A. Sears, S. Keoki Sears

REFERENCES:

COURSE PURPOSE: This course is designed to provide the student with a basic knowledge of the issues faced by a construction company.

COURSE OUTCOMES: Following successful completion of this course, it is expected that students will:
1. Understand how to form and organize a construction company.
2. Understand the impact of construction contracts on the company and its projects.
3. Understand the uses of insurance and bonds for projects.
4. Understand business methods and business plans.
5. Understand labor issues and the roles and responsibilities of the persons administering the projects.

GRADING:

Your final grade in this course will be determined as follows:

Weekly Quizzes................................. 14 @ 10 pts. = 140 pts.
Mid-term Exam........................................ 100 pts.
Final Exam.............................................. = 100 pts.
TOTAL................................................. = 340pts.

The Grading Scale will be as follows:

<table>
<thead>
<tr>
<th>Score Range</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90.0 - 100.00</td>
<td>A</td>
</tr>
<tr>
<td>80.0 - 89.999</td>
<td>B</td>
</tr>
<tr>
<td>70.0 - 79.999</td>
<td>C</td>
</tr>
<tr>
<td>60.0 - 69.999</td>
<td>D</td>
</tr>
<tr>
<td>0 - 59.999</td>
<td>F</td>
</tr>
</tbody>
</table>

Course Schedule

<table>
<thead>
<tr>
<th>Week No.</th>
<th>Topic</th>
<th>Textbook Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The Construction Industry</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Business Ownership</td>
<td>2</td>
</tr>
</tbody>
</table>
The course schedule and procedures described above are subject to change in the event of extenuating circumstances.

Other Statements are at:

Justification CM 4210

CM 4210 and 4211 have same content and learning outcomes; however, they are designed and delivered for two different types of students, somewhat similar to the Honors classes on campus. CM 4211 is being delivered in a traditional campus 14 week lecture format typical of students in their first semester sophomore year in college. In contrast, CM 4210 is being delivered 100% web instruction and has been designed for a more mature, disciplined student that has previously obtained a Bachelor of Science degree. In addition, CM 4210 is faster paced, with higher learning expectations, and is being taught within 7 weeks.
REQUEST FOR ADDITION OF NEW COURSE

Department: Psychology
College: HSS

Date: 04/02/2013

PROPOSED COURSE
Short Title: STAT FOR BEH SCI
Rubric & No.: PSYC 2016
Title: Statistics for the Behavioral Sciences

COURSE CREDIT
Graduate Credit: YES x NO
Semester Hours of Credit: 4
(Lecture Hrs. x 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:

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)

LEO/REC LEC/SEM LEC LAB 3/2 LEC/LAB SEM CLIN/PRACT RES/MND

Maximum enrollment per section: 28
(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)

2016 Statistics for the Behavioral Sciences (4) Prereq: credit in MATH 1021 or equivalent. 3 hrs. lecture; 2 hrs. lab. Open to Psychology majors; open to others with permission of instructor.
Computation and elementary theory relating to basic statistical techniques: normal distribution, descriptive statistics, statistical inference, product moment correlation, simple rank order correlation, t-test, and simple analysis of variance.

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: 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 4/24/12
College Faculty Approval

Department Chair's Signature

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

College Contact:

College Contact E-mail:

College Dean's Signature

Chair, FS C&S Committee

Academic Affairs Approval

REV. 3/2012
Justification of PSYC 2016 Statistics for the Behavioral Sciences

PSYC 2016 will be offered as a 4 credit-hour course to include a lecture and laboratory component. This offering will create a sequence for PSYC majors to strengthen their knowledge of statistics and research methods; they will be required to take PSYC 2016 first and then PSYC 2017 (Research Methods in Psychology) to complete the sequence. The creation of PSYC 2016 will allow PSYC majors to develop their computer literacy as well, because the lab component of PSYC 2016 will include exercises in SPSS statistical software, which are continued in PSYC 2017. Although other departments on campus do offer introductory statistics courses, none offer the sequence of psychology-specific knowledge and skills that would be taught across these two courses. The department feels that the inclusion of this course in the required curriculum for PSYC majors is important in (1) strengthening critical thinking and analysis skills and (2) creating a sequence of information across the two courses.

PSYC 2016 will be required for all PSYC majors, and will replace EXST 2201 in the curriculum (see listing below for example of some of the current requirements). Currently, students take EXST 2201 to fulfill the statistics requirements, but there are two concerns with this arrangement. The first is that EXST is a very popular course on campus, and waiting lists have exceeded 100 students for the last few semesters. Given that EXST 2201 is listed as a critical course on CATS for PSYC majors, it is a cause for concern to require a course that some students are unable to successfully complete within the CATS timeline. Secondly, SAS statistical software is taught in EXST 2201, and students report a disconnect between the content of EXST 2201 and PSYC 2017. We hope to address these concerns by creating PSYC 2016 to be taught in sequence with PSYC 2017. We have the staff members to address our course needs.

Psychology Courses

The Department of Psychology requires a minimum GPA of 2.50 (LSU and overall) to declare the major. Additionally, some courses have a prerequisite GPA minimum of 2.50. These courses are indicated below with an asterisk (*).

I. Basic Courses (Required of all majors)

- PSYC 2000  
  (Introduction), or PSYC 2001 (Honors Introduction)
- PSYC 2005  
  (Introduction to the Psychology Major)
- PSYC 2017*  
  (Experimental)
- PSYC 4008*  
  (History)
- EXST 2201  
  (Statistics) (MATH 1021 or equivalent is prerequisite)
Syllabus, Statistics for the Behavioral Sciences
Psychology 2016, Section 1, Fall 2014

Lecture Time: 12:10-1:30 T TH
Lab Time: Varies by section
Lecture Room: 155 Coates
Lab Room: 230E/232 MIDDLETON

Instructor: Dr. Emily Elliott
Office: 228 Audubon Hall
Office Hour: 1:30-2:30 Wed., or by appointment
Email: eelliott@lsu.edu


Course Overview: This class will cover statistics in a way that should help you to build a foundation for your knowledge of statistics within the field of psychology. This will help you to understand the basic statistical information discussed in research articles and in popular media. This class will require you to complete homework assignments and to come to class regularly. However, if you are willing to put in some effort, you will find that statistics can make sense!

You will need a calculator for this class. An inexpensive model is appropriate, as long as it has the basic functions, as well as a square and square root key.

Tests, Lab work, & Grading: There will be 4 tests. Three tests will be worth 100 points each and there will be a cumulative final exam worth 200 points. This is because statistical knowledge builds upon itself as you learn it, not because I am mean. Make-up tests will not be allowed, unless documented circumstances arise. If you miss an exam, you MUST contact me within 24 hours and you MUST provide documentation or you will receive a zero on that exam.

Lab work: There will be 9 lab assignments throughout the semester, worth a total of 100 points. Seven of the lab assignments will be worth 10 points, and two will be worth 15 points. You will know what each assignment is worth when it is assigned.

You will find that some of the problems assigned will have an answer listed in the back of the book. These are to assist you in your problem solving. Do not give the answer from the back of the book on your paper if you were not able to obtain that answer in your work.

500 points- tests
100 points- lab work assignments
This creates a total of 600 possible points in this class.

537+ = A, 477-536= B, 417-476= C, 357-416= D, < 357 = F
Extra Credit: You may earn up to 6 points of extra credit in this class, which is worth 1% of your final grade. All extra credit is due on the last day of class (not before and not after!). To earn this credit, you may participate in Psychology experiments (through SONA), or you may write a short research paper. See Moodle for more details about the research paper. Each half-hour of research participation (or part of) is worth 1 extra credit point (e.g., 30 minutes of participation = 1 extra credit point; 31 minutes of participation = 2 extra credit points). Each research paper is worth 2 extra credit points. All research papers must be typed and should be approximately 2 pages in length. You must turn in the research article that you reviewed with your research paper. Do not plagiarize!

Attendance: Due to the nature of the material, it is essential that you attend class. Regular attendance is strongly encouraged!

Out of class expectations: Read the chapters or other assigned reading material prior to class. These readings are assigned to provide the background information that is necessary to properly learn the content and apply the concepts. As a general policy, for each hour that you are in class, you should plan to spend at least two hours reviewing material, preparing for the next class, and completing lab work assignments.

Academic Honesty: This is a very serious issue. Any suspicions of academic dishonesty will be dealt with immediately. Students' presence during exams carries the responsibility of cooperating with exam procedures and avoiding even the appearance of academic dishonesty. Actions such as displaying a test for others to see, looking at another student's test, attempting to communicate with another student in any manner during a test, or trying to use notes during a test will be prosecuted. Please do not jeopardize your hard work, integrity, or academic status at LSU.

Additional Notes: (1) Please turn off all electronic devices before entering the classroom. (2) I am the only person authorized to cancel class or change things listed on this syllabus. Unfortunately in the past, unidentified individuals have canceled classes and exams without the authorization of the professor. You should not believe any changes to class meetings, assignments, or examinations unless I directly inform you of these changes. ONLY if an announcement is made AND I do not show up to class within 15 minutes of the start time of the class should you consider the class to be officially canceled.

Special Needs: Please let me know as soon as possible if you have any special needs for class or for testing. It is your responsibility to let me know. Come see me privately after class so that your needs can be addressed. If you need information, contact the Office of Disability Services, 112 Johnston Hall, Phone: 225/578-5919, TDD: 225/578-2600, E-mail: disability@lsu.edu.

Class Schedule: The following calendar represents the tentative schedule for the class. I reserve the right to change items below.
<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Material</th>
<th>Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/26</td>
<td>Introduction</td>
<td>Ch. 1 and 2</td>
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<tr>
<td>8/28</td>
<td>Frequency Distributions</td>
<td>Ch. 3</td>
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<tr>
<td>9/2</td>
<td>Charts and Graphs</td>
<td>Ch. 4</td>
<td>Lab#1 assigned</td>
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<tr>
<td>9/4</td>
<td>Averages</td>
<td>Ch. 5</td>
<td></td>
</tr>
<tr>
<td>9/9</td>
<td>Variability</td>
<td>Ch. 6</td>
<td>Lab#1 due/Lab#2</td>
</tr>
<tr>
<td>9/11</td>
<td>Variability</td>
<td>Ch. 6</td>
<td></td>
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<tr>
<td>9/16</td>
<td>Correlation</td>
<td>Ch. 8</td>
<td>Lab#2 due</td>
</tr>
<tr>
<td>9/18</td>
<td>Correlation/Review</td>
<td>Review Ch. 1-6</td>
<td>Lab#3 assigned</td>
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<tr>
<td>9/23</td>
<td>TEST #1</td>
<td></td>
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<tr>
<td>9/25</td>
<td>Prediction and Regression</td>
<td>Ch. 9 and 10</td>
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<tr>
<td>9/30</td>
<td>Normal Curve</td>
<td>Ch. 7</td>
<td>Lab#3 due/Lab #4</td>
</tr>
<tr>
<td>10/2</td>
<td>No Class</td>
<td></td>
<td>Fall Holiday</td>
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<tr>
<td>10/7</td>
<td>Normal Curve</td>
<td>Ch. 7</td>
<td></td>
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<tr>
<td>10/9</td>
<td>Probability</td>
<td>Ch. 11</td>
<td>Lab#4 due/Lab#5</td>
</tr>
<tr>
<td>10/14</td>
<td>Random Sampling</td>
<td>Ch. 12</td>
<td></td>
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<tr>
<td>10/16</td>
<td>Hypothesis Testing</td>
<td>Ch. 13</td>
<td>Lab#5 due</td>
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<td>10/21</td>
<td>Hypothesis Testing/Review</td>
<td>Review Ch. 7-13</td>
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<tr>
<td>10/23</td>
<td>TEST #2</td>
<td></td>
<td></td>
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<tr>
<td>10/28</td>
<td>Hypothesis Testing Cont.</td>
<td>Ch. 14</td>
<td>Lab#6 assigned</td>
</tr>
<tr>
<td>10/30</td>
<td>Hypothesis Testing 2 groups</td>
<td>Ch. 15</td>
<td></td>
</tr>
<tr>
<td>11/4</td>
<td>Hypothesis Testing 2 groups</td>
<td>Ch. 15</td>
<td>Lab#6 due/Lab#7</td>
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<td>11/6</td>
<td>Hyp. Test. 2 related groups</td>
<td>Ch. 16</td>
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<td>Hyp. Test./Confidence Int.</td>
<td>Ch. 16 and Ch. 18</td>
<td>Lab#7 due/Lab#8</td>
</tr>
<tr>
<td>11/13</td>
<td>Confidence Intervals</td>
<td>Ch. 18</td>
<td></td>
</tr>
<tr>
<td>11/18</td>
<td>ANOVA</td>
<td>Ch. 19</td>
<td>Lab#8 due</td>
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<tr>
<td>11/20</td>
<td>ANOVA/Review</td>
<td>Review Ch. 14-16,18</td>
<td>Lab#9 assigned</td>
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<tr>
<td>11/25</td>
<td>TEST #3</td>
<td></td>
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<tr>
<td>11/27</td>
<td>NO CLASS</td>
<td></td>
<td>Thanksgiving</td>
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<td>12/2</td>
<td>ANOVA</td>
<td>Ch. 19</td>
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<tr>
<td>12/4</td>
<td>ANOVA/Review</td>
<td>Ch. 20</td>
<td>Lab#9 due</td>
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<td>12/8</td>
<td>FINAL EXAM</td>
<td>7:30-9:30 AM</td>
<td>Cumulative</td>
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</tbody>
</table>
Hi Tianna,

Here is the email from Dr. Geaghan.

Thanks!
Emily

From: Jay Geaghan  
Sent: Monday, April 22, 2013 1:09 PM  
To: Emily M Elliott  
Cc: Melissa R Beck; Michael McKenna  
Subject: RE: PSYC 2016 proposal

Emily,  
I've been slow in responding in part because I wanted to talk to Mike about his take on the situation. He works very hard at our EXST 2201 course. I'm glad that you have spoken to him and may coordinate your efforts with him.

I would be happiest if the Department of Experimental Statistics was responsible for teaching the stat classes on campus. However, should you find in the future that Psychology wants to again teach their own course, I would only hope that it be largely restricted to psychology students and I would be disinclined to stand in your way.

Jay Geaghan

From: Emily M Elliott  
Sent: Monday, April 22, 2013 12:20 PM  
To: Jay Geaghan; Robert C Mathews  
Subject: PSYC 2016 proposal
Hello,

I had a meeting today with Mike McKenna about EXST 2201 and PSYC 2016. I would like to table the proposal for the current semester, and revisit it after more time for reflection on the issues. Perhaps in the next few weeks, after the semester has wrapped up, Mike and I can meet to discuss this again.

Thank you for your consideration.

Emily

Emily Elliott, PhD
Director of Undergraduate Studies
Department of Psychology
Louisiana State University
Baton Rouge, LA 70803
(225)578-7460 office
(225)578-4125 fax
http://www.lsu.edu/psychology/undergraduate.html
REQUEST FOR ADDITION OF NEW COURSE

PLEASE SUBMIT 17 COPIES OF EACH REQUEST

Department: Construction Management
College: Engineering

PROPOSED COURSE
Short Title: CONSTMATLMETHI
Rubric & No.: CM 2100
Title: Construction Materials Methods I

COURSE CREDIT
Graduate Credit: YES X NO
Semester Hours of Credit: 3
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: CM 2101

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: ___ (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)

2100 Construction Materials and Methods I (3). Credit will not be given for this course and CM 2101.
Principal materials and methods used in building construction, emphasizing common construction systems such as light wood frames, masonry bearing walls, steel frames, and reinforced concrete as well as project planning, work methods, materials, equipment, and sustainability. Intended for post baccalaureate leveling for non-CM majors.

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: ___ 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? Yes, see justification

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 03/08/13
College Faculty Approval 09/06/13

Department Chair's Signature 07/12/13
College Dean's Signature 10/1/13
Chair, FS C&C Committee 10/1/13

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

College Contact: Lisa Launey
(Please print name.)
College Contact E-mail: eglau@eng.lsu.edu
Academic Affairs Approval (date)
LOUISIANA STATE UNIVERSITY

CM 2100: CONSTRUCION MATERIALS AND METHODS

INSTRUCTOR: Stephanie Heumann, MBA, 3135-B Patrick F. Taylor Hall, E-MAIL: sheumann@lsu.edu

COURSE DESCRIPTION: 2100 Construction Materials and Methods I (3). Credit will not be given for this course and CM 2101.
Principal materials and methods used in building construction, emphasizing common construction systems such as light wood frames, masonry bearing walls, steel frames, and reinforced concrete as well as project planning, work methods, materials, equipment, and sustainability. Intended for post baccalaureate leveling for non-CM majors.

Principal materials and methods used in building construction, emphasizing common construction systems such as light wood frames, masonry bearing walls, steel frames, and reinforced concrete. Project planning, work methods, materials, equipment and sustainability are also explored.


REFERENCES:
2. Magazines:
   N.A.H.B. Builder
   Engineering News Record (ENR)

COURSE PURPOSE: This course is designed to provide the post baccalaureate student with a basic knowledge of construction materials and to develop an understanding of the various types of building systems in concrete, masonry, wood, and steel. It is being delivered asynchronous online in a 7 week format and at a level appropriate for students with seeking advanced degrees.

COURSE OBJECTIVES AND OUTCOMES: Following successful completion of this course, it is expected that students will:
1. Gain an appreciation and understanding of the types of materials used in the construction process. How these materials are manufactured or processed, classified and graded, and their physical and mechanical properties.
2. Understand the specific characteristics including advantages and disadvantages of various building systems and components. Know how these building systems and components are erected, installed and integrated into the different types of buildings.

GRADING:
Your final grade in this course will be determined as follows:

Weekly Tests .................................................. 5 @ 50 pts 250 pts
Final Project .................................................. 100 pts
Final Exam .................................................. 200 pts
TOTAL .................................................. 550 pts

Final Project
The final project is a case analysis of a specified material covered in the class. It will be
showcased within presentation slide and will be evaluated with a grading rubric.

The Grading Scale will be as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>≥90.0</td>
<td>A</td>
</tr>
<tr>
<td>80.0 – 89.9</td>
<td>B</td>
</tr>
<tr>
<td>70.0 – 79.9</td>
<td>C</td>
</tr>
<tr>
<td>60.0 – 69.9</td>
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<tr>
<td>≤59.9</td>
<td>F</td>
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</table>

Course Schedule

<table>
<thead>
<tr>
<th>Week</th>
<th>Meeting</th>
<th>Topic</th>
<th>Reading Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Course Introduction</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>Ch. 1 Making Buildings, The Building Process, Codes</td>
<td>pp. 3-27</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>Ch. 2 Foundations, Soils, Excavation, Shallow and Deep Foundations, Waterproofing</td>
<td>pp:31-83</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
<td>Ch. 13 Concrete Construction, Cement and Concrete, Formwork and Reinforcing</td>
<td>pp:515-551</td>
</tr>
<tr>
<td>3</td>
<td>5</td>
<td>Ch. 14 Sitecast Concrete Framing Systems, Slabs, One-Way Sitecast Systems</td>
<td>pp:553-574</td>
</tr>
<tr>
<td>3</td>
<td>6</td>
<td>Ch. 14 Sitecast Concrete Framing Systems, Two-Way Sitecast Systems, Exam 1 Review</td>
<td>pp:375-609</td>
</tr>
<tr>
<td>4</td>
<td>7</td>
<td>EXAM 1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>8</td>
<td>Ch. 15 Precast Concrete Framing Systems, Elements, Assembly, Concepts and Connection Details</td>
<td>pp:611-649</td>
</tr>
<tr>
<td>5</td>
<td>9</td>
<td>Ch. 8 Brick Masonry, Mortar and Brick</td>
<td>pp:297-35</td>
</tr>
<tr>
<td>5</td>
<td>10</td>
<td>Ch. 9 Stone &amp; Concrete Masonry, Stone and CMU</td>
<td>pp:337-375</td>
</tr>
<tr>
<td>6</td>
<td>11</td>
<td>Ch. 10 Masonry Wall Construction, Masonry Walls, Detailing and Joints</td>
<td>pp:377-409</td>
</tr>
<tr>
<td>6</td>
<td>12</td>
<td>EXAM 2</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>13</td>
<td>Ch. 3 Wood &amp; Wood Products, Trees, Lumber and Wood Products</td>
<td>pp:85-133</td>
</tr>
<tr>
<td>7</td>
<td>14</td>
<td>Ch. 4 Heavy Timber Frame Construction, Combustibility, Bracing, Building Services</td>
<td>pp:135-159</td>
</tr>
<tr>
<td>8</td>
<td>15</td>
<td>Ch. 5 Wood Light Frame Construction, Foundation, Floors, Walls, Rafter, Sheathing</td>
<td>pp:161-219</td>
</tr>
<tr>
<td>8</td>
<td>16</td>
<td>Ch 16 Roofing, Low Slope and Steep Roof</td>
<td>pp:651-705</td>
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<td>9</td>
<td>17</td>
<td>EXAM 3</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>18</td>
<td>Ch. 12 Light Gauge Steel Frame Construction, Framing</td>
<td>pp:489-513</td>
</tr>
<tr>
<td>9</td>
<td>19</td>
<td>Ch. 11 Steel Frame Construction, Materials, Joint Steel Members, Fabrication and</td>
<td>pp:411-487</td>
</tr>
<tr>
<td>10</td>
<td>20</td>
<td>Ch 17 Glass and Glazing</td>
<td>pp:707-745</td>
</tr>
</tbody>
</table>
| 10 | 21 | Ch 19 Designing Exterior Wall Systems  
Cladding, Exterior Wall Concepts  
GROUP PROJECT DUE | pp. 783-807 |
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>11</td>
<td>22</td>
<td>Ch 20 Cladding with Masonry and Concrete</td>
<td>pp. 809-837</td>
</tr>
<tr>
<td>11</td>
<td>23</td>
<td>Ch 21 Cladding with Metal and Glass</td>
<td>pp. 835-867</td>
</tr>
<tr>
<td>12</td>
<td>24</td>
<td>Ch 22 Selecting Interior Finishes</td>
<td>pp. 869-881</td>
</tr>
<tr>
<td>12</td>
<td>25</td>
<td>Ch 23 Interior Walls &amp; Partitions</td>
<td>pp. 883-921</td>
</tr>
<tr>
<td>13</td>
<td>26</td>
<td>Ch 24 Finishes Ceilings and Floors</td>
<td>pp. 923-955</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>14</td>
<td>27</td>
<td>Final Exam Review</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>28</td>
<td>FINAL EXAM</td>
<td></td>
</tr>
</tbody>
</table>

**Justification CM 2100**

CM 2100 and 2101 have same content and learning outcomes; however, they are designed and delivered for two different types of students, somewhat similar to the Honors classes on campus. CM 2101 has been delivered in a traditional campus 14 week lecture format typical of students in their first semester sophomore year in college. In contrast, CM 2100 is being delivered 100% web instruction and has been designed for a more mature, disciplined student that has previously obtained a Bachelor of Science degree. In addition, CM 2100 is faster paced, with higher learning expectations, and is being taught within 7 weeks. CM 2100 will be coded for the LSU Online Modules thus allowing enrollment of LSU Online students only.
REQUEST FOR ADDITION OF NEW COURSE

Department: Construction Management
College: Engineering

PROPOSED COURSE
Short Title: RES DEVELOPMENT
Rubric & No.: CM 3235
Title: Residential Development

COURSE CREDIT
Graduate Credit: YES X NO
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
(Indicate hours in the appropriate course type)

LEN 60 / LEC/SEM ___ LEC ___ LAB ___ LEC/LAB ___ SEM ___ CLIN/PRACT ___ RESIND
Maximum enrollment per section: 40

CATALOG TEXT
(Concise catalog statement exactly as you wish it to appear in the LSU General Catalog)
CM 3225 Residential Development (3). Prerequisite: CM 3111. Residential Development (3). Introduction to the principles and procedures of residential development. Land development, market research and residential company start-up practices are explored. A multi-team based residential project will be the focus of this course.

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: 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? No
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: 03/08/13
College Faculty Approval: 9/6/13

Department Chair's Signature: 07/12/13
College Dean's Signature: 9/27/13
Chair, FS C&C Committee: 10/1/13

Graduate Dean's Signature (for 4000 level and above): (date)
College Contact: Lisa Launey
(Please print name.)
College Contact E-mail: eglaun@eng.lsu.edu

Academic Affairs Approval: (date)
Overview: This course is designed to provide an introduction to the principles and procedures of residential development. Students will work through the tools and processes of creating a feasibility study for a specific tract of land. Students will gain experience in land development, market research and analysis, financial analysis, and the documentation and presentation of a project feasibility study. Spreadsheets, such as Microsoft EXCEL, will be used extensively for analysis. Students may also utilize dedicated construction software such as TimberLine for estimating and cost control, and P6 or MS Project for scheduling. Additionally, students will be required to use word processing programs, presentation software (PowerPoint), access Internet resources, and on-line quizzes and discussion groups. The resulting feasibility study will be presented to a group of industry experts.

Instructional Approach: The major project for this course will require students to work in small groups of four or five to research and develop a feasibility study for a specific residential development in a given location in the United States. All learning tasks will be directed toward the completion of the project proposal documentation and presentation. Each student will be held accountable for a specific scope of work and each student’s work must be integrated with tasks performed by other team members. For example, teams may be required to prepare a proposal for a single family neighborhood in the Baton Rouge area, or for a multi-family development built to sustainable principles. Each team will be required to develop and present a comprehensive feasibility study and management proposal including such components as a complete budget, schedule, marketing and advertising plan, financial analysis and proformas, and company organization structure. To enhance presentation skills, the class will use a seminar format with students required to report and present on various facets of project development.

Course Objectives

1. Investigate trends influencing the residential housing market.

2. Conduct a market analysis and develop a marketing strategy and advertisement plan for a construction project in a selected location in the United States.

3. Apply specific construction management skills and concepts such as planning, scheduling, estimating, and budgeting to the development of a management plan for a large scale residential project.

4. Produce pro forma financial statements that takes into consideration land development costs, building costs, sales pricing, and market absorption (sales) rates.

5. Utilize industry accepted computer software to prepare a development proposal.

6. Demonstrate professional presentation methods before a group of industry experts using computer graphics, charts, graphs, and/or other AV materials.

7. Function as an effective member of project management team.

Resources: There is no required textbook for this course. Below is a short list of useful reference material:


- National Association of Home Builders economic and housing data at http://www.nahb.org


- RealData -- Free Real Estate Calculator. Also includes a real estate glossary and summaries of related financial concepts.


- U.S. Census Bureau/Housing

- Statistical Resources for Housing and housing related websites <click here>? Must read for marketing and financial analysis!

- Beige Book - Federal Reserve Board summary of current economic conditions.

- Various e-newsletters such as NAHB Nations Building News

**Topic Content**

1. Historical Perspectives on Residential Development

2. Trends in housing: Green/Sustainable Development

3. NAHB/CRBA

4. Business Basics

5. How to conduct a feasibility study

6. Site selection factors – Planning and Zoning, Land Acquisition, Environmental regulation, Site eng. and storm water mgmt

7. Site analysis

8. Project finance
9. Estimating

10. Estimating

11. Construction Process – Construction Management

12. Development layout: Residential streets, housing types

13. "Best Practices" in construction & marketing

14. Marketing and Advertising

15. Customer Care

16. Closings

17. Presentation Skills

**Evaluation:** Final course grades are based upon a criterion referenced system. That means if you do the work you get the grade. There is no curve or maximum number of "A's." Each course requirement is worth a specified number of points. Specific grading rubrics will be provided to guide your work.

<table>
<thead>
<tr>
<th>Activity</th>
<th>% of Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework, seminar leadership, individual work assignments, attendance at presentations &amp; field trips, assignments</td>
<td>40%</td>
</tr>
<tr>
<td>Feasibility Study &amp; Presentation (includes peer assessment of individual contributions)</td>
<td>30%</td>
</tr>
<tr>
<td>Exams (2 @ 15% each)</td>
<td>30%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

Your grade will be derived by adding your scores for each requirement and then converting it to a letter grade based upon the scale below:

A >= 90; B >= 80; C >=70; D >=60; F<59

**Assignments & Grading**

**Homework Assignments (40%):** There will be numerous homework assignments designed to help you develop a working understanding of residential development concepts. Most assignments will require you to read resource material and complete questions PRIOR to discussing the ideas in class. You may also be required to document field trips for homework grades, research topics and lead a seminar session, or complete on-line quizzes or discussion contributions. The purpose of homework is to provide students with background information to prime class discussion and to provide base level of understanding so that we can use class time for more advanced treatment of the concepts. Almost ALL homework assignments will become support documentation for your team proposals and presentations.

**All written assignments must be completed on computer and calculation questions must be done in EXCEL** (or equivalent spreadsheet program). Late assignments will NOT be accepted. Assignments that do not meet these requirements will not be graded.
Feasibility Study (30%). Detailed guidelines on the development and grading of feasibility studies will be provided in separate documents on WebCT. Due dates for the component parts will be listed on the course schedule.

Peer Evaluation. In team projects, the team needs the active support of all members. As such, a portion of the final grade will be determined by your team members. See an example of a peer evaluation form used in previous semesters on WebCT; note that the instructor reserves the right to modify the peer evaluation format.

Exams (30% - 2 @ 15%). There will be a midterm and final exam each worth 15%. The Midterm exams will focus on terminology and concepts of residential development and will be mostly objective questions such as multiple choice. The final exam may be in case study format.

Grading Notes and Policies

1. Written assignments are to be turned in at the beginning of class on the DUE date. The instructor is under no obligation to accept late assignments and grades on late assignments will be reduced by one letter grade per day (including weekends and holidays).

2. Course grade percentages for activities may be changed to reflect the emphasis of the course, but only with the consent of the majority of students.

3. Grades will not be rounded up. If you receive a cumulative grade of 89.9% that is a "B." Final.

4. Students are expected to be honest in all academic work. Failure of students to observe the ISU Student Code of Conduct will result in charges being filed with the Student Judicial Office.

5. Incomplete "I" grades are reserved for students who have serious life crisis in the final three weeks of the semester and are therefore unable to complete the required assignments or projects.

6. There are no extra credit assignments built into this course. Failure to meet assignment deadlines is considered by this instructor to be bad management and not a reason for a second chance through extra credit work. However, there are bonus points available for completion of all in-class activities, additional field trips, and participation in the CMSA.

7. Student assignments/projects will be retained for two weeks after the semester ends. Assignments not picked up by that time will be discarded.

Attendance and Missed Assignments: Students are expected to attend class regularly. Exam questions will come from lecture material, class discussion, field trips, and guest speakers. Many years of observation have shown a correlation between attendance and grades, that is students who attend class regularly tend to get higher grades! To encourage attendance, homework must be turned in at the beginning of each class. Further, class attendance may be a prerequisite for taking on-line WebCT quizzes. There will be no make-up of exams, quizzes, or in-class assignments unless prior arrangements have been made with the instructor! Homework evaluation is designed to allow for a small percentage of missed assignment. If you need to miss a class, please make arrangements with another student to get the notes.
**Field Trips:** There will be several field trips **required** as part of this class. must wear appropriate protective equipment (safety glasses, hard hat, hard soled work boots).

<table>
<thead>
<tr>
<th>Week</th>
<th>Topics</th>
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<tbody>
<tr>
<td>1</td>
<td>Course Introduction – Historical Perspectives on Residential Development</td>
</tr>
<tr>
<td>2</td>
<td>Trends in housing: Green/Sustainable Development, Industry Overview, Business Basics</td>
</tr>
<tr>
<td>3</td>
<td>NAHB/CRBA Site Selection Factors: Planning and Zoning, Land Acquisition, Environmental Regulation, Site Engineering,</td>
</tr>
<tr>
<td>4</td>
<td>Land Acquisition and Land Development Project Financing Continued Accounting Principles</td>
</tr>
<tr>
<td>6</td>
<td>Land Development Scheduling and Estimating</td>
</tr>
<tr>
<td>7</td>
<td>Construction Process: Scheduling, Critical Path, Documents, Codes, Inspections, Estimating</td>
</tr>
<tr>
<td>8</td>
<td>Construction Process: Scheduling, Staffing, Safety, Loss Prevention, Technology Tools, Estimating</td>
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<tr>
<td>9</td>
<td>Purchasing: Types of Purchasing, Trade Relationships and Process, Estimating</td>
</tr>
<tr>
<td>10</td>
<td>Sales and Marketing, Model Home Complex, PreSale Housing, Advertising</td>
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<tr>
<td>11</td>
<td>Mortgage and Lending, Accounting, Laws</td>
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<tr>
<td>12</td>
<td>Customer Care</td>
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<tr>
<td>13</td>
<td>Community Closeout, New Home Closing, Customer Care after Close</td>
</tr>
<tr>
<td>14</td>
<td>Final Project/Presentations Due</td>
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</tbody>
</table>

**Out of Class Expectations:**

It is expected that the students have read the appropriate literature prior to class for the background necessary to properly learn the content and apply the concepts addressed. As a general policy, for each hour you are in class, you (the student) should plan to spend at least two hours preparing for the next class and completing homework and laboratory assignments. The student project will require extensive out-of-class student work with your project team.
Justification CM 3235

The Department of Construction Management is requesting the creation of a new course titled Residential Development. This course is vital to the curriculum revisions taking place within the department. This course will serve as an elective course selection in the newly formed residential construction area of specialization within the curriculum and will provide students with the knowledge necessary to be successful within the program and their careers.

This course is designed to assist students in developing a full understanding of the land development process which includes planning and zoning for a tract of land, planned area developments (PAD), environmental regulations, site engineering and storm water management. This course will detail the land development schedule, the home building schedule, market research and analysis, financial analysis and estimates for both land development and homebuilding.

Industry representatives have asked that such a course be created and developed, as this course does not exist on the LSU campus. Therefore, it does not duplicate other courses which CM students are eligible to take. No overlap between this course and those offered by other departments exists.

This course will be used as a Residential Industry Emphasis Area (IEA) course (see flow chart for IEA and minors). This course is currently being taught as a CM 4206 independent study. Past enrollment averages between 10 – 14 students.
REQUEST FOR ADDITION OF NEW COURSE

Department: Construction Management
College: Engineering
Date: 12/5/12

PROPOSED COURSE
Rubric & No.: CM 4100
Title: Construction Scheduling and Cost Control

COURSE CREDIT
Graduate Credit: NO
Semester Hours of Credit: 3
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: CM 4101

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

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: 40
(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

4100 Construction Scheduling and Cost Control (3) Credit will not be given for this course and CM 4101. Fundamentals of planning and scheduling including network-based schedules, resource scheduling, probabilistic scheduling and computer applications. Project control emphasis on goals, flow of information, time and cost control, and change management. Intended for post baccalaureate leveling for non-CM majors.

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

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? Yes, see justification
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 03/08/13
Department Chair's Signature 07/12/13

College Faculty Approval 9/27/13
College Dean's Signature 10/1/13
Chair, FS C&C Committee

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

College Contact: Lisa Launey
(Please print name.)

College Contact E-mail: eglaun@eng.lsu.edu

Academic Affairs Approval (date)
CM 4100 – Construction Scheduling and Cost Control

TERM : Fall 2013

CLASS TIME & LOCATION : LSU Online

FACULTY : Dr. Emy Roider
Room 110 CM Building
eroider@lsu.edu
225-578-0942

OFFICE HOURS : T Th 10:30 – 12:00
Wed: 9:00 – 11:00
By appointment

WEBSITE : 100% web instruction; Moodle will be utilized for this course.

CATALOG COURSE DESCRIPTION : 4110 Construction Scheduling and Cost Control (3) Credit will not be given for this course and CM 4111. Fundamentals of planning and scheduling including network-based schedules, resource scheduling, probabilistic scheduling and computer applications. Project control emphasis on goals, flow of information, time and cost control, and change management. Intended for post baccalaureate leveling for non-CM majors.

COURSE OBJECTIVE & OUTCOMES : This course is designed to provide the student with a working knowledge of planning, scheduling, and control and to acquire the skills needed to apply the critical path method, resource and cost management techniques, and other project management skills to real world projects.

Following successful completion of this course, it is expected that students will:
1. Develop a network model using both manual and computer methodologies.
2. Allocate resources to a project.
3. Prepare a cash flow diagram for a project.
4. Apply techniques for project monitoring and control.
5. Explain time and the impact of delays as it relates to contract provisions.
6. Create useful management reports with selected scheduling software.

GRADE POLICY : Exam #1 25%
Exam #2 25%
Final Exam #3 25%
Computer Project 10%
Quizzes / Assignments 15%

GRADE SCALE : A ≥ 90 Distinguished mastery of the course material
B 80 – 89.9999 Good mastery
C 70 – 79.9999 Acceptable mastery
D 60 – 69.9999 Minimally acceptable achievement for credit
F ≤ 59.9999 Failing
**CM 4100: Tentative Course Outline**

<table>
<thead>
<tr>
<th>Week No.</th>
<th>Topic</th>
<th>Reading/Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Course Introduction, Schedule Development Basics, Bar Charts</td>
<td>Ch 1, G Ch 1</td>
</tr>
<tr>
<td>2</td>
<td>Network Modeling Concepts: CPM and PERT</td>
<td>T Ch 2 &amp; 3, G Ch 2, Assign. 1</td>
</tr>
<tr>
<td>3</td>
<td>Precedence Diagrams/Float Calculations</td>
<td>Assignment 2</td>
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<tr>
<td>4</td>
<td>Building a Schedule in Primavera P6, WBS, Project Calendar</td>
<td>G Ch 3, Assignment 3</td>
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<tr>
<td>5</td>
<td>Resource Management Introduction</td>
<td>T Ch. 6, Assignment 4</td>
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<tr>
<td>6</td>
<td>Resource Loading and Leveling</td>
<td>Assignment 5 and 6</td>
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<tr>
<td>7</td>
<td>Cash Flow Analysis/Forecasting/Control</td>
<td>T Ch 6, Assignment 7</td>
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<td>8</td>
<td>Time/Cost Tradeoffs</td>
<td>T Ch 6, Assignment 8</td>
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<tr>
<td>9</td>
<td>Crashing the Project</td>
<td>Assignment 9</td>
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<tr>
<td>10</td>
<td><strong>Midterm Exam</strong></td>
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<tr>
<td>11</td>
<td>Project Monitoring &amp; Control</td>
<td>T Ch. 8, Assignment 10</td>
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<tr>
<td>12</td>
<td>Updating/Earned Value/Delay Claims</td>
<td>T Ch 10, Assignment 11</td>
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<td>13</td>
<td>Contract Issues in Scheduling</td>
<td>T Ch 5, Assignment 12</td>
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<tr>
<td>14</td>
<td>Impact of Scheduling on Productivity</td>
<td>T Ch 11, Assignment 13</td>
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<td>15</td>
<td><strong>Final Exam</strong></td>
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</table>

**G = Training Guide  T = Text Book**

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**Justification CM 4100**

CM 4100 and 4101 have same content and learning outcomes; however, they are designed and delivered for two different types of students, somewhat similar to the Honors classes on campus. CM 4101 is being delivered in a traditional campus 14 week lecture format typical of students in their first semester sophomore year in college. In contrast, CM 4100 is being delivered 100% web instruction and has been designed for a more mature, disciplined student that has previously obtained a Bachelor of Science degree. In addition, CM 4100 is faster paced, with higher learning expectations, and is being taught within 7 weeks.
REQUEST FOR ADDITION OF NEW COURSE

Department: Construction Management
Engineering

College: ________________________________

Date: 12/5/12

PROPOSED COURSE
Rubric & No.: CM 4101
Title: Construction Scheduling and Cost Control

COURSE CREDIT
Graduate Credit: YES □ NO □

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: CM 4100

GRADING
Final Exam: X YES □ NO □ Grading System: □ 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 3 LEC □ LAB □ LEC/LAB □ SEM □ CLIN/PRAC □ RES/IND

Maximum enrollment per section: 40 □

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

4101 Construction Scheduling and Cost Control (3) Prerequisite: CM 3111. Credit will not be given for this course and CM 4100. Fundamentals of planning and scheduling including network-based schedules, resource scheduling, probabilistic scheduling and computer applications. Project control emphasis on goals, flow of information, time and cost control, and change management.

BUDGET IMPACT
If this course is approved, will additional staff be needed? YES □ NO □

Will additional space, equipment, special library materials or other major expense be involved? YES □ 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? Yes, see justification

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 12/14/12

College Faculty Approval 9/16/13

Department Chair's Signature

9/30/13

College Dean's Signature

9/30/13

Chair, FS C&C Committee

10/1/13

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

Lisa Launey

(Please print name.)

College Contact: Lisa Launey

College Contact E-mail: eglau@eng.lsu.edu

Academic Affairs Approval

(please print name.)

10/6/13
CM 4101 – Construction Scheduling and Cost Control

TERM : Fall 2013

CLASS TIME & LOCATION : T & Th Lecture: 9:00 – 10:30 Room 101 CM Bldg.

FACULTY : Dr. Emy Roider
Room 110 CM Building
eroider@lsu.edu
225-578-0942

OFFICE HOURS : T Th 10:30 – 12:00
Wed: 9:00 – 11:00
By appointment

WEBSITE : Moodle will be utilized for this course.

CATALOG COURSE DESCRIPTION : 4101 Construction Scheduling and Cost Control (3) Prerequisite: CM 3111. Credit will not be given for this course and CM 4100. Fundamentals of planning and scheduling including network-based schedules, resource scheduling, probabilistic scheduling and computer applications. Project control emphasis on goals, flow of information, time and cost control, and change management.

COURSE OBJECTIVE & OUTCOMES : This course is designed to provide the student with a working knowledge of planning, scheduling, and control and to acquire the skills needed to apply the critical path method, resource and cost management techniques, and other project management skills to real world projects.

Following successful completion of this course, it is expected that students will:
1. Develop a network model using both manual and computer methodologies.
2. Allocate resources to a project.
3. Prepare a cash flow diagram for a project.
4. Apply techniques for project monitoring and control.
5. Explain time and the impact of delays as it relates to contract provisions.
6. Create useful management reports with selected scheduling software.

GRADE POLICY :

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Distinguished mastery of the course material</td>
</tr>
<tr>
<td>B</td>
<td>Good mastery</td>
</tr>
<tr>
<td>C</td>
<td>Acceptable mastery</td>
</tr>
<tr>
<td>D</td>
<td>Minimally acceptable achievement for credit</td>
</tr>
<tr>
<td>F</td>
<td>Failing</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Grade</th>
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<tr>
<td>B</td>
<td>80 – 89.9999</td>
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<tr>
<td>C</td>
<td>70 – 79.9999</td>
</tr>
<tr>
<td>D</td>
<td>60 – 69.9999</td>
</tr>
<tr>
<td>F</td>
<td>≤ 59.9999</td>
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</table>

Exam #1 : 25%
Exam #2 : 25%
Final Exam #3 : 25%
Computer Project : 10%
Quizzes / Assignments : 15%
CM 4101: Tentative Course Outline

<table>
<thead>
<tr>
<th>Week No.</th>
<th>Topic</th>
<th>Reading/Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Course Introduction, Schedule Development Basics, Bar Charts</td>
<td>Ch 1, G Ch 1</td>
</tr>
<tr>
<td>2</td>
<td>Network Modeling Concepts: CPM and PERT</td>
<td>T Ch 2 &amp; 3, G Ch 2, Assign. 1</td>
</tr>
<tr>
<td>3</td>
<td>Precedence Diagrams/Float Calculations</td>
<td>Assignment 2</td>
</tr>
<tr>
<td>4</td>
<td>Building a Schedule in Primavera P6, WBS, Project Calendar</td>
<td>G Ch 3, Assignment 3</td>
</tr>
<tr>
<td>5</td>
<td>Resource Management Introduction</td>
<td>T Ch. 6, Assignment 4</td>
</tr>
<tr>
<td>6</td>
<td>Resource Loading and Leveling</td>
<td>Assignment 5 and 6</td>
</tr>
<tr>
<td>7</td>
<td>Cash Flow Analysis/Forecasting/Control</td>
<td>T Ch 6, Assignment 7</td>
</tr>
<tr>
<td>8</td>
<td>Time/Cost Tradeoffs</td>
<td>T Ch 6, Assignment 8</td>
</tr>
<tr>
<td>9</td>
<td>Crashing the Project</td>
<td>Assignment 9</td>
</tr>
<tr>
<td>10</td>
<td>Midterm Exam</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Project Monitoring &amp; Control</td>
<td>T Ch. 8, Assignment 10</td>
</tr>
<tr>
<td>12</td>
<td>Updating/Earned Value/Delay Claims</td>
<td>T Ch 10, Assignment 11</td>
</tr>
<tr>
<td>13</td>
<td>Contract Issues in Scheduling</td>
<td>T Ch 5, Assignment 12</td>
</tr>
<tr>
<td>14</td>
<td>Impact of Scheduling on Productivity</td>
<td>T Ch 11, Assignment 13</td>
</tr>
<tr>
<td>15</td>
<td>Final Exam</td>
<td></td>
</tr>
<tr>
<td></td>
<td>G = Training Guide T = Text Book</td>
<td></td>
</tr>
</tbody>
</table>

Justification CM 4101

CM 4100 and 4101 have same content and learning outcomes; however, they are designed and delivered for two different types of students, somewhat similar to the Honors classes on campus. CM 4101 is being delivered in a traditional campus 14 week lecture format typical of students in their first semester sophomore year in college. In contrast, CM 4100 is being delivered 100% web instruction and has been designed for a more mature, disciplined student that has previously obtained a Bachelor of Science degree. In addition, CM 4100 is faster paced, with higher learning expectations, and is being taught within 7 weeks.
REQUEST FOR ADDITION OF NEW COURSE

Department: Geography and Anthropology  Date: 7/12/2013
Humanities and Social Sciences

College: ________________________________

PROPOSED COURSE

Short Title: DISSERTATION RES (20 characters)
Rubric & No.: ANTH 9000  Title: Dissertation Research

COURSE CREDIT

Graduate Credit: X YES  NO  (complete for 4000 level courses only)
1-
Semester Hours of Credit: 12  (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: ________________________________

(Indicate rubrics and course numbers)

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

(Attach justification if the proposed course will not hold a final exam during examination week.)

COURSE TYPE

Check one type: ___ LEC  ___ LAB  ___ LEC/LAB  ___ SEM  ___ CLIN/PRACT X RES/IND
Maximum enrollment per section: 99  (use integer, e.g. 25 not 20-30)
Total weekly contact hours: 1-12  (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)
9000 Dissertation Research (1-12 per sem.) Permission of the instructor. "S/Y/U" grading.

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. 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  9/6/2013  College Faculty Approval  9-18-13
(date)  (date)

Department Chair's Signature  9/1/13  Chair, FS C&C Committee  9/16/13
(date)  (date)

Graduate Dean's Signature (for 4000 level and above)  9-30-13  Date: __________
(date)
Anthropology 9000: Dissertation Hours

Justification: The addition of Anth 9000: Dissertation Hours is to comply with the new PhD in Geography and Anthropology (approved April 2013), in which PhD students following the Anthropology Concentration will take Anth 9000, and those students pursuing the Geography Concentration will take Geog 9000 (the latter already on the books).

We attach a copy of the approved document for the PhD in Geography and Anthropology.
Chantelle V Collier

From: Chantelle V Collier
Sent: Monday, June 10, 2013 9:42 AM
To: Kevin Robbins; Barry D Keim; Heather McKillop
Cc: Dana C Sanders; Carol C Adams; Chantelle V Collier; Christine A Timpa; Cleve Brooks; Clovis I Torry; Eric L Taylor; Gary R Byerly; Jaret Trail; Joyce A Andrews; Laura Meiki; Madalina C Robison; Marie M Hamilton; Mark R Normand; Mary F Adcock; Renee L Renegar; Telisha L Snell

Subject: Geography and Anthropology Degree

The Board has approved the Geography and Anthropology Degree name change. The new degree code is PGA. Students in the old degree program (PGEOG) who wish to change to the new degree code will need departmental approval to update. Please send a memo/list of all current students wanting to be in PGA to me. We will have a Program Officer make the changes.

The Graduate School appreciates your patience during this lengthy process of approval.

Sincerely,
Chantelle

Chantelle V. Collier
Assistant to the Dean
Louisiana State University
Graduate School
119 David Boyd Hall
225-578-1353
225-578-1370 (fax)

This email message is for the sole use of the intended recipient(s) and may contain confidential and privileged information. If you are not the intended recipient, please contact the sender by reply email and destroy all copies of the original message.
February 1, 2013

To: T. Gilmour Reeve, Vice Provost
   Office of Academic Affairs

Through: Tom Kei, Vice Chancellor of Research
         Office of Research and Economic Development

From: Gary Byerly, Dean
      The Graduate School

Re: Geography and Anthropology Degree Change

On November 13, 2012, the Graduate Council approved a request from the Department of Geography and Anthropology to change the name of the doctoral degree from Geography to Geography and Anthropology (7-yes, 1-no, 1-abstain, 4-absent). Anthropology is currently a concentration within the department used by 21 of 60 PhD students. Fourteen faculty in the department contribute to the Anthropology concentration. Over half of the department's masters' students are in the Anthropology degree program. The degree name change would benefit the students with this more formal recognition of the joint nature of the doctoral degree here at LSU.

The department's proposal is attached to this memo.
Proposal for Doctoral Program in Geography and Anthropology

21 October 2012

To: LSU Graduate Council
Re: Proposal for changing name of program to Doctoral Program in Geography and Anthropology
From: Faculty, Geography & Anthropology

Currently, the highest degree offered in the Department of Geography and Anthropology is a doctorate in Geography, in which a student has the option of earning a Concentration in Anthropology. We would like to change the name of the Doctoral program in Geography to the Doctoral Program in Geography and Anthropology. The revised program would have two Concentrations, one in Geography and the other in Anthropology. Each student will select one of the concentrations, and follow the programmatic requirements to be determined by the Faculty of Geography and Anthropology, outlined below in this document.

Rationale for the Requested Change in Program Name

1. Placing both disciplines within one doctoral program acknowledges 75 years of interdisciplinary research and teaching in the Department of Geography and Anthropology at LSU (Mathewson and Shoemaker 1997). We propose to formalize and enhance the potential synergies to be found in this tradition, with the knowledge that teaching and research will benefit more by allowing both disciplines to thrive within one PhD program. The most recent (2006) Department of Geography and Anthropology Program Review recommended the creation of an Anthropology doctorate within the Department. The review argued that all the resources, desire, demand, and structure were in place, and that the intellectual payoff would be considerable, distinctive and attractive. We believe that a single doctoral program that serves as an umbrella for the two disciplines – Geography and Anthropology – is a better path toward a doctorate than a “stand alone” Anthropology doctoral program. The single doctoral program offers more benefits for students, faculty, department, and university (see below).

2. The increase in recent years in the number of students in the Anthropology Concentration within the PhD program in Geography underscores the demand for expertise from both Geography and Anthropology disciplines and faculty. Students in the Anthropology Concentration in the PhD in Geography see the value from geographical methods (geographic information systems [GIS], remote sensing [RS], and coastal geomorphology, for example) and theory (human-environmental interactions, water resources, and economic geography, for example). Students see that “knowledge knows

---

1 Note that this change in degree name does not affect in any way the naming of, or words on the LSU diploma given to a student when they complete their Ph.D. in the Department. The diploma only states that the student has “been conferred the degree of Doctor of Philosophy.” The diploma does not include the discipline or concentration.

2 Currently, at least 14 students are pursuing this curriculum.
Proposal for Doctoral Program in Geography and Anthropology

...disciplinary boundaries" (Greg Veeck, personal communication, c.1995) and actively seek graduate studies because of the opportunities of a combined department (equal access to labs, faculty, and courses) and career opportunities (e.g. GIS/RS and Archaeology).

3. Graduate Anthropology courses at LSU are currently taught by 12 Anthropology faculty, four Geography faculty, and six faculty from other programs and departments.  

4. There are 60 graduate level courses in Anthropology, with 24 of them being cross-listed with other disciplines, including 8 cross-listed courses with Geography (see Appendix 2). Appendix 2 compares Anthropology and Geography in the number of faculty positions and course offerings. We believe that this information supports our assessment that the curriculum in Anthropology can easily be upscaled for the successful training of doctoral level students.

5. A survey of programs in Anthropology in the United States reveals there are 8 other programs that offer a doctorate which combines Anthropology with another discipline. These include the following: (1 and 2) two programs at Columbia University — interdisciplinary programs in Anthropology and Public Health, and in Anthropology and Education; (3) Concordia University, with a Department of Sociology and Anthropology that offers a doctorate in Social and Cultural Analysis; (4) Florida International University, which has a Department of Global and Sociocultural Studies, and offers a doctorate in which a student chooses a concentration in either sociocultural anthropology, human geography, or comparative/global sociology; (5) Massachusetts Institute of Technology has a Department of Materials Science and Engineering that offers a doctorate in Archaeological Materials; (6 and 7) University of Michigan offers a doctoral program in Social Work and Social Science, in which a student develops expertise in both Anthropology and Social Work, and in Anthropology and History from the interdisciplinary Anthropology and History program; (8) University of California-San Francisco, which offers a doctorate in Medical Anthropology in a Department of Anthropology, History, and Social Medicine.

---

3 Graduate Anthropology faculty include nine tenured and/or tenure-track faculty (Jill Brody, David Chicoine, Jay Edwards, Joyce Jackson, Kathe Managan, Heather McKillop, Helen Regis, Rebecca Saunders, and Robert Tague), one Professional in Residence (Mary Manhein), one Assistant Professor of Research (Rob Mann), and one Research Associate (Ginnesse Luski). Graduate Geography faculty include Kristine DeLong, Dydia DeLyser, Kent Mathewson, and Andrew Suyrter. Graduate faculty in other programs and departments include Rachel Dowey (Disaster Science Management program in Geography and Anthropology), Brooks Ellwood (Geology and Geophysics), Stuart Irvine (Philosophy and Religious Studies), Jenna Kuttruff (Human Ecology), Peter Sutherland (International Studies), and Carolyn Ware (English).
Proposal for Doctoral Program in Geography and Anthropology

Benefits to Students and the Department:
The total number of PhD students will increase and likely boost the number of PhDs granted, thereby improving the Department’s standing in the College and University, as well as in national and international spheres.

- The estimated minimum increase in the number of funded students in the Department’s doctoral program would be five in a three year period (or about 1.7 funded students admitted per year; see item #4 below).
- One of LSU’s current initiatives is to significantly increase the number of graduate students. The National Research Council uses ‘graduate student numbers’ as one of its important indices when ranking Departments and Universities.

1. The combination of Geography and Anthropology will be an attraction for students to our doctoral program. At least 14 students are already pursuing a doctoral degree in Geography with a Concentration in Anthropology. We anticipate that the addition of the term “Anthropology” to the title of our doctorate program will draw interest from more students.

2. Graduates with a doctoral degree in Geography and Anthropology may have a competitive advantage for academic and public sector positions (for example, NSF and many other organizations are requiring a greater degree of interdisciplinary research; graduates will be able to apply for a greater range of academic and other positions; our students will be able to potentially apply for both Geography and Anthropology positions). According to SACs accreditation, if a student earns at least 18 credit hours in a discipline during their graduate studies, then that person can teach courses in the discipline. Other universities may want to hire our graduates who can teach courses in both Geography and Anthropology. Notably, Anthropology ranks among the top 10 fastest growing professions that require at least a Master’s degree, projected through 2018. Jobs are expected to grow 28% between 2008 and 2018 (Bureau of Labor Statistics; www.bls.gov/oco/ocos315.htm). Currently, 119 job advertisements for an Anthropologist are listed on the American Anthropological Association’s web page (www.aanet.org, accessed 15 October 2012). Ninety-two of these advertisements stipulate that the candidate must have a PhD; 106 of the positions are in the United States.

3. Students should have a greater competitive advantage in applying for NSF and other grants given the emphasis at NSF and elsewhere for multidisciplinary research and engagement.

4. Dean Gaines Foster of the College of Humanities and Social Sciences is supportive of the proposal. As evidence of his support, Dean Foster has provided two new Ph.D. graduate assistantships in fall 2012 for Anthropology.
   - Anthropology anticipates being able to fund a minimum of 5 doctoral students — 2 assistantships that are provided by the College to support this proposal; 2 assistantships that are currently dedicated to 2 faculty members in Anthropology; and 1 assistantship that will be created from the pool of money that has been used for master’s students.
Proposal for Doctoral Program in Geography and Anthropology

5. Enrollment in 7000 level courses in Geography will likely increase, with enhanced intellectual exchange between students in the two disciplines. Dean Foster stated that he wants higher enrollment in 7000 level courses in the College (statement made at meeting on March 7, 2012 with Anthropologists and other colleagues). New interdisciplinary opportunities and collaborations are possible. For example, currently GEOG 7901 and 7902 are required courses for all doctoral students. New courses crossing interdisciplinary boundaries could be Anthropology and Geography through Time and Space (Geography 7938/Anthropology 7909—offered in Fall 2012).

6. A revised doctoral program that has Anthropology as an equal partner will enhance the prestige of the Department of Geography and Anthropology within the State of Louisiana. The State is not serving its citizenry well by its failure to offer a doctoral program in Anthropology at a public university. Among the 50 states in the United States, 39 have one or more public universities that offer a PhD in Anthropology. With the exception of Mississippi, all other Southern states have one or more public universities that offer a doctoral program in Anthropology. Notably, within the past 10 years, Alabama, Arkansas, and South Carolina have instituted doctoral programs in Anthropology at public universities. However, our program will not simply be a duplicate of other Anthropology doctoral programs. Rather, our program will be unique, combining two disciplines that are integrated in theory, methodology, and practical application—Geography and Anthropology. Our regional emphases, which includes historical and contemporary research in Louisiana, the American South and the Gulf States, Central and South America, Caribbean, and the African diaspora, are central to the goals of the LSU Flagship agenda, and include strengths that Tulane does not have including Archaeology and GIS/RS, Historical and Underwater Archaeology, Cultural Heritage and Tourism, and Public Anthropology, including Culture Resource Management, and Forensic Anthropology.

Requirements for Doctoral Program in Geography and Anthropology (31 credit hours, unless GeoG/Anth 7901 was previously taken at the Master’s level)4

1. Geography/Anthropology 7901, one credit hour (Introduction to Graduate Studies);

2. Geography 7902 (Research Methods in Geography) or Anthropology 7902 (Research Methods in Anthropology);5

3. Selection of a Concentration in Geography or Anthropology;

4. Six hours of 7000 level courses (exclusive of 7901 and 7902) including one seminar in the Concentration;

---

4 The requirements are the same as for the current Doctoral Program in Geography, except that courses in Items 2, 4, and 7, which are to be taken in the Geography or Anthropology Concentration.

5 We anticipate submitting a request to add "Research Methods in Anthropology."
Proposal for Doctoral Program in Geography and Anthropology

5. External minor or 9 hours in approved cognate fields (including one 7000 level course)
6. Three additional hours of 4000 level or 7000 level coursework; and
7. Nine hours of dissertation research (Geog 9000 or Anth 9000). 6

Summary

We believe that this revised program will be of benefit to students, the Anthropology and Geography faculty, the Department, the University, and the citizens of Louisiana and beyond. We submit this document to LSU Graduate Council to request to change the name of the Doctoral Program in Geography to a Doctoral Program in Geography and Anthropology.

Reference Cited:

Mathewson, Kent and Vincent Shoemaker

6 Currently, all PhD students take Geography dissertation hours.
## Proposal for Doctoral Program in Geography and Anthropology

### Appendix 1

Graduate level courses in Anthropology that are cross-listed with other disciplines

<table>
<thead>
<tr>
<th>Course number in Anthropology</th>
<th>Title of Course</th>
<th>Cross-listed course</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 4002</td>
<td>South Asian Society, Polity and Culture</td>
<td>INTL 4002</td>
</tr>
<tr>
<td>ANTH 4013</td>
<td>Disaster Anthropology</td>
<td>DSM 4013</td>
</tr>
<tr>
<td>ANTH 4018</td>
<td>Historical Archaeology</td>
<td>HIST 4151</td>
</tr>
<tr>
<td>ANTH 4019</td>
<td>Geoarchaeology</td>
<td>GEOL 4019</td>
</tr>
<tr>
<td>ANTH 4031</td>
<td>Comparative Religions</td>
<td>REL 4031</td>
</tr>
<tr>
<td>ANTH 4032</td>
<td>Religion, Gender and Society</td>
<td>REL 4032</td>
</tr>
<tr>
<td>ANTH 4042</td>
<td>Enterprise GIS</td>
<td>GEOG 4042</td>
</tr>
<tr>
<td>ANTH 4060</td>
<td>Language and Culture</td>
<td>LING 4060</td>
</tr>
<tr>
<td>ANTH 4064</td>
<td>Pidgin and Creole Languages</td>
<td>FREN 4064 and LING 4064</td>
</tr>
<tr>
<td>ANTH 4074</td>
<td>Place and Culture</td>
<td>GEOG 4074</td>
</tr>
<tr>
<td>ANTH 4083</td>
<td>Quaternary Paleocology</td>
<td>GEOG 4083</td>
</tr>
<tr>
<td>ANTH 4086</td>
<td>Human-Environment Interactions</td>
<td>GEOG 4086</td>
</tr>
<tr>
<td>ANTH 4087</td>
<td>Gender, Place and Culture</td>
<td>GEOG 4087 and WGS 4087</td>
</tr>
<tr>
<td>ANTH 4440</td>
<td>Vernacular Architecture and Material Culture</td>
<td>ARCH 4440</td>
</tr>
<tr>
<td>ANTH 4450</td>
<td>African American Folklore</td>
<td>AAAS 4450</td>
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<tr>
<td>ANTH 4475</td>
<td>American Folklore</td>
<td>ENGL 4475</td>
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<tr>
<td>ANTH 7032</td>
<td>Comparative Studies in World Costume</td>
<td>HUEC 7032</td>
</tr>
<tr>
<td>ANTH 7060</td>
<td>Conversation and Discourse</td>
<td>LING 7060</td>
</tr>
<tr>
<td>ANTH 7074</td>
<td>Poetics of Place</td>
<td>GEOG 7074</td>
</tr>
<tr>
<td>ANTH 7901</td>
<td>Introduction to Graduate Study</td>
<td>GEOG 7901</td>
</tr>
<tr>
<td>ANTH 7909</td>
<td>Selected Topics in Anthropology</td>
<td>LING 7909</td>
</tr>
<tr>
<td>ANTH 7936</td>
<td>Advanced Qualitative Research in Geography and Anthropology</td>
<td>GEOG 7936</td>
</tr>
<tr>
<td>ANTH 7962</td>
<td>Field Methods in Linguistics</td>
<td>LING 7962</td>
</tr>
<tr>
<td>ANTH 7999</td>
<td>Research in Anthropology</td>
<td>LING 7999</td>
</tr>
</tbody>
</table>
Appendix 2

Comparison between Geography and Anthropology in faculty and course offerings

<table>
<thead>
<tr>
<th></th>
<th>Anthropology</th>
<th>Geography</th>
<th>Other¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>number of tenure-line faculty positions</td>
<td>9</td>
<td>17</td>
<td>1</td>
</tr>
<tr>
<td>number of Directors of Laboratories (non-tenure track positions) who teach graduate level courses</td>
<td>1 (Director of FACES Laboratory; also with title of Professional in Residence)</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>number of other faculty in the Department (non-tenure track positions) who teach graduate level courses</td>
<td>2</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>number of adjunct faculty who were nominated by an Anthropologist or Geographer</td>
<td>7</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>number of 4000 level courses</td>
<td>43</td>
<td>53</td>
<td>na</td>
</tr>
<tr>
<td>number of 7000 level courses</td>
<td>17</td>
<td>20</td>
<td>na</td>
</tr>
</tbody>
</table>

¹The category “Other” includes the librarian of the Cartographic Information Center and Co-Director of the Disaster Science and Management Program.