REQUEST FOR ADDITION OF NEW COURSE

Department: Renewable Natural Resources  Date: 9/18/2013
College: Agriculture

PROPOSED COURSE
Rubric & No.: 4150  Title: Forest Hydrology and Soils

COURSE CREDIT
Graduate Credit: X YES  NO
Semester Hours of Credit: 3
(For combination course types only: 2 Lecture Hrs. 1 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)

I  LEC/REC  I  LEC/SEM  LEC  LAB  2/3  LEC/LAB  SEM  CLIN/PRAC  RES/IND
Maximum enrollment per section: 20
(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)

RNR 4150 FOREST HYDROLOGY AND SOILS (3) Prereq.: AGRO 2051 or consent of instructor. 2 hrs. lecture; 3 hrs. lab.
Principles of hydrology and soils with emphasis on forest environments. Forest soil development, role of forests in the
hydrologic cycle, and the role of soil and water in natural resource management.

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  8/15/2012
Department Chair's Signature

College Faculty Approval  10/3/13
College Dean's Signature

Graduate Dean's Signature (for 4000 level and above)  10-7-13
Chair, FS C&C Committee

College Contact: ____________________________ (Please print name.)

College Contact E-mail: ____________________________
JUSTIFICATION: The faculty propose this course to replace a dropped course, RNR 7003 – Forest Soils, and an inactive course, RNR 4151-Hydrology of Natural Landscapes (proposed to be dropped in accompanying Form B) as requested by the Faculty Senate Courses and Curricula committee (9/17/2013). This course fills a need for an integrated water-soil course specific to natural resource management; careers for our graduates often require applied expertise in these areas that is not offered elsewhere.

CURRICULUM:
The proposed course replaces RNR 4151 in the B.S. in Natural Resource Ecology and Management, Forest Resource Management and Ecological Restoration areas of concentration. It is expected that RNR 4150 will be included in the M.S. and Ph.D. in Renewable Natural Resources as an elective.
Forest Hydrology and Soils - RNR 4150
Fall 20xx

Class meetings: Lectures 9:30-10:30 MW, RNR 230
Lab 1:30-4:30 Tu, RNR 230

Instructor: Richard Keim, RNR 328, 578-4169, rkeim@lsu.edu


Web materials: As appropriate, I will post course materials on Moodle. I will make lecture
presentations available on the web after class.

Course description: Principles of hydrology and soils with emphasis on forest environments. Forest soil
development, relationship of soil properties to tree growth, role of forests in the hydrologic cycle,
and the role of soil and water in natural resource management.

Course Outline

Week 1  Introduction to the water cycle and forested watersheds, role of forests in global
and regional hydrology. Lab: units and conservation of mass

Week 2  Introduction to forest soils: review of soil taxonomy and soil formation processes,
with emphasis on the role of forests in pedogenesis. Lab: web soil survey, land
classification, and watershed delineation

Week 3  Precipitation and canopy interception, evaporation and transpiration. Lab:
evaporation pan

Week 4  Water flow in soils, porosity and availability to plants. Lab: infiltration

Week 5  Runoff and streamflow. Lab: stream gauging
[date]  Midterm Exam I

Weeks 6-8 Nutrient cycles in forest soils: nutrient transformations, pools, and availability. Labs:
soil and site productivity / wetland soil morphology

Week 9  Nutrient cycles in forested watersheds: export, riparian exchange. Lab: water quality

Week 10 Nutrient management in forests: harvest effects, fertilization. Lab: forest growth
modeling
[date]  Midterm Exam II

Weeks 11-12 Forest management and streamflow. Labs: paired watersheds (2)

Weeks 13-15 Forest management and water quality, erosion, and best management practices.
Labs: riparian management / USLE
[date] Dec  Final Exam

Grading:
Labs 30%
Midterm Exams (20% each) 40%
Final Exam 30%
Guaranteed grading scale:
90% = A; 80% = B; 70% = C; 60% = D. Grades may adjust upward but not downward. Graduate students will be expected to perform at a higher level and complete additional work, as assigned.

Labs: Each week we will have a lab exercise. Some will be in the classroom and some will be in the field. There will be an assignment associated with each lab. The due date for each lab is the start of class time for the next week’s lab. Late assignments will be docked 10% per 24 hour period.

Attendance Rules: Attendance is required, according to University policy.

Disabled students:
If you are a qualified student with a disability seeking accommodations under the Americans with Disabilities Act, you are required to self-identify with the Office of Disability Services, Room 112, Johnston Hall. No accommodations will be granted without documentation from the Office of Disability Services.

Credit hour expectations:
It is expected that the students have prepared as directed 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. Whereas this course is two lecture credits and one laboratory credit, students should expect to spend two hours in lecture and at least four hours preparing for lecture, as well as, three hours of laboratory and at least two hours of preparation for laboratory each week.

How we will learn in this class:
I expect students to be able to engage the material on at least the Interpretation level for B work and at the Application level for A work. This will require proficiency in the Recall and Translation of the material as well.
Evaluation: the ability to make decisions and support views; requires understanding of values

Synthesis: identification of component parts; determination of arrangement, logic, semantics

Analysis: identification of connections and relationships

Application: use of information to solve problems; transfer of abstract or theoretical ideas to practical situations

Interpretation: restatement in your own words; paraphrase; summarize

Translation: verbalism information; memorization with no evidence of understanding

Recall: combination of information to form a unique product; requires creativity and originality
Faculty Senate Courses and Curricula Committee

From: Lawrence Rouse, Chair, Courses and Curricula Committee

September 17, 2013

At their September 17, 2013 meeting, the Faculty Senate Courses and Curriculum Committee took the following action regarding the RNR proposal:

RNR 4151

• The Committee returned the proposal to add RNR 4151: Hydrology of Natural Landscapes. The Committee sees this request as a new course proposal since it is incorporating material from a recently cancelled class. The Committee requests a Form B to drop the course and a Form A to add a new course. The course must have a different course number than 4151; the Committee suggests using 4152 since it is not in use.

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

If you have any questions regarding the request, please feel free to contact me at lrouse@lsu.edu.
Richard,
I don’t have anything to add about overlap—David’s classes are the most pertinent, so he’s the best spokesperson.
Like David, I think this class would be beneficial for SPESS students.
Please let me know if you need anything else.
Maud

Maud M. Walsh, Professor and Undergraduate Advisor
School of Plant, Environmental & Soil Sciences
http://www.lsuagcenter.com/en/communications/authors/MWalsh.htm
Research Translation Core leader, LSU Superfund Research Center
http://twitter.com/lsusrp
Faculty member, Women’s and Gender Studies http://www.lsu.edu/wgs/
110 Sturgis Hall
Louisiana State University
Baton Rouge, LA 70803-2110
225-578-1211
evwalsh@lsu.edu

Richard:

The first 5 weeks set forth in the syllabus would duplicate some of the content we have our courses. But, such duplication may be beneficial to students – i.e. some repetition can help to reinforce concepts across semesters.

Looks like a nice course – I would be glad to steer a few of my students toward it.

DCW

-----------------------------------------------

David C. Weindorf, Ph.D.
Associate Professor of Soil Classification/Land Use, SPESS Graduate Advisor
2011 Fulbright Scholar
Louisiana State University Agricultural Center  
307 M.B. Sturgis Hall  
Baton Rouge, LA 70803

Office: (225) 578-0396  
Fax: (225) 578-1403

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From: Richard Keim [mailto:keim@lsu.edu]
Sent: Monday, March 11, 2013 3:41 PM
To: Weindorf, David; Walsh, Maud
Subject: class proposal for your review please

David and Maud,

Can you please take a look at this course change proposal and let me know if you have concerns about overlap or other conflict with SPESS courses? The course has been on our books for several years but never taught. I plan to eventually change the title to Forest Hydrology and Soils, but they won’t let me change the title and course description at the same time.

Thanks,
Richard

Richard Keim
School of Renewable Natural Resources  
Louisiana State University and LSU AgCenter
REQUEST FOR ADDITION OF NEW COURSE

Department: School of Plant, Environmental, and Soil Sci

College:

Agriculture

PROPOSED COURSE

Short Title: Organic Gardening [≤ 19 characters]

Rubric & No.: HORT 2525

Title: Organic Gardening and Sustainable Crop Production

COURSE CREDIT

Graduate Credit: YES X NO

Semester Hours of Credit: 4

(FOR COMBINATION COURSE TYPES ONLY: 3 Lecture Hrs. 1 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

COURSE TYPE

(Indicate hours in the appropriate course type)

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

Maximum enrollment per section: 35

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

HORT 2525 Organic Gardening and Sustainable Crop Production (4) 3 hr. lecture; 3 hrs. lab.

Principles and practices of organic vegetable and sustainable crop production. This course encompasses the ecological, economic and social components of organic and sustainable crop farming systems.

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 9/1/13

(date)

College Faculty Approval 10/3/13

(date)

Department Chair's Signature

9/1/13

(date)

College Dean's Signature

10/15/13

(date)

Chair, FS C&C Committee

Academic Affairs Approval

10/19/13

(date)

College Contact:

(Please print name)

College Contact E-mail:

ACADEMIC AFFAIRS

ACADEMIC AFFAIRS

(Office of the Provost)

Academic Affairs Approval

10/19/13

(date)

Chair, FS C&C Committee

Academic Affairs Approval

10/19/13

(date)
HORT 2525 Organic Gardening and Sustainable Crop Production (4) 3 hrs. lecture; 3 hrs. lab.

JUSTIFICATION

This course is designed for undergraduates in the College of Agriculture and other colleges that are interested in the art and science of organic and sustainable vegetable crops production. The methodology and principles of sustainable vegetable production will be presented weekly through lectures, labs, discussions and required articles as well as hands-on application of the course content in a field setting. This class is a new and improved replacement for a popular course, HORT 2001 Organic Gardening (2 credits), that will be removed from the LSU catalog. Although the instructions for Form A indicates that 2 syllabi are required because this is a class with both lecture and lab, the lab is integral to the lecture course material and is integrated into one syllabus that is submitted.

FORMAL CATALOG STATEMENT

HORT 2525 Organic Gardening and Sustainable Crop Production (4) 3 hrs. lecture; 3 hrs. lab.

Principles and practices of organic vegetable and sustainable crop production. This course encompasses the ecological, economic and social components of organic and sustainable crop farming systems.
HORT 2525 Class and Lab Syllabus

Organic Gardening HORT 2525
School of Plant, Environmental and Soil Sciences
College of Agriculture L.S.U. A & M

Course Title and Description: Organic Gardening and Sustainable Crop Production (4)
Principles and practices of organic vegetable and sustainable crop production. This course encompasses the ecological, economic and social components of organic and sustainable crop farming systems.

Instructor: Dr. Carl E. Motsenbocker
Office: 239 J.C. Miller Hall
Phone: 578-1036, FAX: 578-1068, email: cmots@lsu.edu
Teaching Assistant: Ms. Amber Dawn; phone 578-1037

Prerequisites: There are no prerequisites for this course.


Course Objectives: The general objectives of this course include:

1. To discuss the cultural and management considerations of successful organic vegetable gardening and sustainable crop production and to provide hands-on experience in these practices.
2. To encourage the development of independent research, thought, and problem solving processes in organic and sustainable vegetable production.
3. To participate in a sustainable local community food service project related to the needs of the local community.

Course Format (4 credits):

Lecture Schedule (3 hrs. per week)
Monday and Wednesday: 3 to 4:30 pm. Horticulture Hill Farm Teaching Facility

Laboratory Schedule (3 hrs. per week)
Monday: 12:00 to 3:00. Horticulture Hill Farm Teaching Facility

The lab period will be devoted to the students acquiring hands-on experience in organic gardening and experimentation, and discussion of garden project activities. Students will be growing fresh produce in the market garden located on the LSU campus under the direction of the instructor. During the lab each student will learn how to design, plan, establish, maintain, and harvest an organic garden that is located at the Horticulture Hill Farm Teaching Facility. Each student will be responsible for a market garden report at the end of the semester that includes all of the activities undertaken during the semester and a weekly log of their garden activities.

Credit hour expectations:
It is expected that the students have prepared as directed 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. Whereas this course has three lecture credits and one laboratory credit, students should expect to spend three hours in lecture and at least six hours preparing for lecture, as well as, three hours of laboratory and at least two hours of preparation for laboratory each week.

Grading:
Grading is based on a combination of a midterm (25 %) and final exam (35 %), lab projects (10 %), quizzes (10 %), service project (10%), and market garden project report (10%).

Grading Scale:

\[
\begin{align*}
A &= 90 - 100 \% \\
B &= 80 - 89 \% \\
C &= 70 - 79 \% \\
D &= 60 - 69 \% \\
F &= < 60 \%
\end{align*}
\]

Course Policies

Moodle: The course will be taught with Moodle and all course materials will be available on the course site. Information on course projects and assignments, important dates, deadlines, quiz dates and grades will be posted in a timely manner.

Attendance: Your success in this course will be influenced by your attendance. All exams will cover material specifically discussed in lecture and the lab section. If you miss labs, it is your responsibility to make up the lab. This is especially important as this the lab meets only once per week and this is a hands-on lab class.

Exams: You may be excused from an exam for a legitimate reason (i.e. illness, family crisis, school function). You will need to verify your excuse with a note from your doctor or faculty advisor. I would also appreciate a phone call or email from you before the exam. The missed exam must be rescheduled promptly. An un-excused absence from an exam without prior notification will result in a zero for that exam grade.

Quizzes: Quizzes will be given to access progress throughout the semester.

Code of Student Conduct: It is the responsibility of all students to familiarize themselves with the Code of Student Conduct and other University rules and regulations governing student conduct and activities.

Academic Dishonesty: Academic dishonesty can result in probation, suspension, or expulsion from the course. For more information, refer to your handbook of responsibility in student university relationship or refer to the Code of Conduct that can be found in the Office of the Dean of Students website within the LSU home page.
Disabilities Statement: If you have special needs addressed by the Americans with Disabilities Act, please notify your instructor immediately for proper accommodations.

Service-Learning: Organic Gardening is a service-learning course. Service projects will be conducted in the Baton Rouge community related to sustainable, local food systems. Service-learning is a method of teaching and learning in which students fulfill the learning goals of their academic courses while serving the community. Service-learning, as a method of teaching and learning, emphasizes hands-on experiences that address real world concerns as a venue for educational growth. The service-learning project will be determined at the beginning of the semester and each student will be responsible for a report that will include a summary of their activities as well as reflection of the organized service-learning project activities.
<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Topic</th>
<th>Text Chapter*</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>01/15</td>
<td><strong>Lec</strong>: Syllabus, What is organic gardening? Agricultural craftsmanship</td>
<td>1</td>
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<tr>
<td>M</td>
<td>01/20</td>
<td><strong>Martin Luther King Holiday</strong></td>
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<tr>
<td>W</td>
<td>01/22</td>
<td><strong>Lec</strong>: Land, Planning and observation; Crop rotation</td>
<td>2, 6, 7</td>
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<tr>
<td>M</td>
<td>01/27</td>
<td><strong>Lab</strong>: Plant materials: seed, propagules, transplants; Seed trays</td>
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<tr>
<td>M</td>
<td>01/27</td>
<td><strong>Lec</strong>: Green manures; Tillage</td>
<td>8, 9</td>
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<tr>
<td>W</td>
<td>01/29</td>
<td><strong>Lec</strong>: Soil fertility; Farm-generated fertility</td>
<td>10, 11</td>
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<tr>
<td>M</td>
<td>02/03</td>
<td><strong>Lab</strong>: Transplant establishment techniques</td>
<td>H</td>
</tr>
<tr>
<td>M</td>
<td>02/03</td>
<td><strong>Lec</strong>: Direct seeding; Transplanting</td>
<td>12, 13</td>
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<tr>
<td>W</td>
<td>02/05</td>
<td><strong>Lec</strong>: Soil blocks; Setting out transplants</td>
<td>14, 15</td>
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<tr>
<td>M</td>
<td>02/10</td>
<td><strong>Lab</strong>: Begin planting garden plots</td>
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<tr>
<td>M</td>
<td>02/10</td>
<td><strong>Lec</strong>: The living soil. Soil properties &amp; processes: physical, chemical</td>
<td>H</td>
</tr>
<tr>
<td>W</td>
<td>02/12</td>
<td><strong>Lec</strong>: The living soil. Soil properties &amp; processes: biological</td>
<td>H</td>
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<tr>
<td>M</td>
<td>02/17</td>
<td><strong>Lab</strong>: Website homework assignment, begin mulch cover experiment.</td>
<td>H</td>
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<tr>
<td>M</td>
<td>02/17</td>
<td><strong>Lec</strong>: The nutrient cycles: N, C, P, K</td>
<td>H</td>
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<tr>
<td>W</td>
<td>02/19</td>
<td><strong>Lec</strong>: Essential nutrients and soil/plant tissue testing, Macro/micro nutrients</td>
<td></td>
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<tr>
<td>M</td>
<td>02/24</td>
<td><strong>Lab</strong>: Organic pesticides &amp; garden plots</td>
<td>H</td>
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<tr>
<td>M</td>
<td>02/24</td>
<td><strong>Lec</strong>: Season extension and irrigation tech</td>
<td>21-23</td>
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<tr>
<td>W</td>
<td>02/26</td>
<td><strong>Lec</strong>: Organic Agriculture – history, concepts, consumer trends, beyond organic</td>
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<tr>
<td>M</td>
<td>02/28-03/05</td>
<td><strong>MARDI GRAS Holiday</strong></td>
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<tr>
<td>M</td>
<td>03/10</td>
<td><strong>Lab</strong>: Video –“FRESH”</td>
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<tr>
<td>M</td>
<td>03/10</td>
<td><strong>MIDTERM EXAM</strong></td>
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<tr>
<td>W</td>
<td>03/12</td>
<td><strong>Lec</strong>: Weeds and Other pests</td>
<td>16,17</td>
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<tr>
<td>M</td>
<td>03/17</td>
<td><strong>Lab</strong>: Compost</td>
<td>H</td>
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<tr>
<td>M</td>
<td>03/17</td>
<td><strong>Lec</strong>: Integrated pest management; NOP regulations on pests</td>
<td>H</td>
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<tr>
<td>M</td>
<td>03/19</td>
<td><strong>Lec</strong>: Crop rotation and intercropping</td>
<td>H</td>
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<tr>
<td>M</td>
<td>03/24</td>
<td><strong>Lab</strong>: Season extension techniques: row covers, mulches, hot beds, high tunnels</td>
<td>H</td>
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<tr>
<td>M</td>
<td>03/24</td>
<td><strong>Lec</strong>: Best Management Practices – good agricultural practices</td>
<td>H</td>
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<tr>
<td>W</td>
<td>03/26</td>
<td><strong>Lec</strong>: Applying agroecosystem concept to farming; Au Naturel Farm</td>
<td>H</td>
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<tr>
<td>M</td>
<td>03/31</td>
<td><strong>Lab</strong>: Garden plots</td>
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<tr>
<td>M</td>
<td>03/31</td>
<td><strong>Lec</strong>: Marketing strategy, economics</td>
<td>5</td>
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<tr>
<td>W</td>
<td>04/02</td>
<td><strong>Lec</strong>: Make the most from the farm: value added</td>
<td>H</td>
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<tr>
<td>M</td>
<td>04/07</td>
<td><strong>Lab</strong>: Garden plots</td>
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<td>Day</td>
<td>Date</td>
<td>Class Activity</td>
<td>Time</td>
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<tr>
<td>M</td>
<td>04/07</td>
<td>Lec: Harvest and Marketing</td>
<td>18-20</td>
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<tr>
<td>W</td>
<td>04/09</td>
<td>Lec: Post Harvest Handling, storage and shipping of foods</td>
<td>H</td>
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<tr>
<td>M</td>
<td>04/14-04/19</td>
<td><strong>SPRING BREAK HOLIDAY</strong></td>
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<tr>
<td>M</td>
<td>04/21</td>
<td>Lab: Garden plots: Harvest techniques, post harvest handling</td>
<td></td>
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<tr>
<td>M</td>
<td>04/21</td>
<td>Lec: Scale and Capital, Part-time help</td>
<td>3,4</td>
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<tr>
<td>W</td>
<td>04/23</td>
<td>Lec: Organic farm transition and certification, organic system plan</td>
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<tr>
<td>M</td>
<td>04/28</td>
<td>Lab: Garden plots: Market day</td>
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<tr>
<td>M</td>
<td>04/28</td>
<td>Lec: Is organic farming sustainable?</td>
<td>H</td>
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<tr>
<td>W</td>
<td>04/30</td>
<td>Lec: REVIEW -</td>
<td></td>
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<tr>
<td>M</td>
<td>TBA</td>
<td><strong>FINAL EXAM</strong></td>
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</tbody>
</table>

*H = Handouts posted on the class website
REQUEST FOR ADDITION OF NEW COURSE

Department: School of Education
Human Sciences and Education

College: 

PROPOSED COURSE
Rubric & No.: EDCI 7112
Title: Early Literacy Development and Instruction

COURSE CREDIT
Graduate Credit: X YES __ 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:

(INCLUDE 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
(LECTURES IN THE APPROPRIATE COURSE TYPE)

Max. enrollment per section: 30

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

EDCI 7112 Early Literacy Development and Instruction (3) Current research on early literacy development and learning, with an emphasis on pre-conventional stages of literacy.

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

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

(If answer to either question above is "yes" attach explanation.)
Academic Affairs Approval: __________
Date: __________

ATTACHMENTS
ATTACH THE FOLLOWING TO YOUR PROPOSAL.

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

APPROVALS
Department Faculty Approval 11/15/12

College Faculty Approval 9-30-13

Department Chair's Signature

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

College Contact: 

College Contact E-mail: cbenne5@lsu.edu

College Dean's Signature (date)

Chair, FS C&C Committee (date)

Academic Affairs Approval (date)
Justification:

This course was originally developed as a special topics seminar for graduate students interested in reading and literacy. It has been offered six times, and has garnered interest beyond that program, most recently including students focused on early childhood (CHSE School of Education – formerly ETPP and HUEC), reading specialist preparation, communication disorders, children’s literature, and curriculum theory. Because graduate students are restricted to no more than 6 hours of credit toward a degree from the same special topics designation used previously (EDCI 7107), we need to begin scheduling this course as a regular offering. Doing so will allow students to continue to register for two special topics courses with more variable content related to emerging trends in literacy while still taking what has become a more foundational seminar in early literacy research with its own permanent course designation. Because this special topics course has been offered on load every spring, it will not require any resources that are not already being invested in it.

Enrollments for the past six offerings are as follows:

<table>
<thead>
<tr>
<th>Year</th>
<th>Number</th>
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<tbody>
<tr>
<td>Spring 2007:</td>
<td>14</td>
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<tr>
<td>Spring 2008:</td>
<td>15</td>
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<tr>
<td>Spring 2009:</td>
<td>13</td>
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<tr>
<td>Spring 2010:</td>
<td>8</td>
</tr>
<tr>
<td>Spring 2011:</td>
<td>Not offered</td>
</tr>
<tr>
<td>Spring 2012:</td>
<td>12</td>
</tr>
<tr>
<td>Spring 2013:</td>
<td>11</td>
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</tbody>
</table>
EDCI 7112
Seminar in Early Literacy
Spring Template

Instructor: Renée M. Casbergue, Ph.D.
Office: 221J Peabody Hall
Phone: (225) 578-4701
e-mail: rcasberg@lsu.edu
Office hours:

Course Description:

This course examines current research on early literacy development and learning, with an emphasis on pre-conventional stages of literacy. Topics include characteristics of children’s language and literacy from birth through age eight, assessment and instructional practices appropriate for use with young children, critical analysis of public policies that influence literacy outcomes for young children, and trends in the field of early literacy research.

Course Objectives:

Upon completion of this course, students will be able to:

1. demonstrate understanding of characteristics of children’s literacy development from birth through age eight.
2. evaluate and implement a variety of assessments appropriate for use with young children.
3. design and implement instructional strategies that support young children’s literacy development.
4. discuss and critique public policies that influence literacy outcomes for young children.
5. investigate and synthesize primary research related to one area of early literacy development or instruction.
6. synthesize primary research to demonstrate understanding of trends in early literacy research over the past two decades.

Required Texts:


New York, Guilford Press.

Additional book of your choice and primary research articles as assigned and/or required for individual research projects.

**Course Assignments:**

1. *Weekly posting of responses to assigned readings and discussion of classmates’ postings on the Moodle discussion board.*

2. *Critical evaluation of one early childhood classroom using the ELLCO research checklist and the CLASS observation guide.* Select one classroom (preschool through first grade) for your observation. Using the Early Language and Literacy Classroom Observation instrument (research version - environmental checklist only), score the physical literacy environment. Use the Classroom Assessment Scoring System domains and dimensions to do a qualitative analysis of teacher/child interactions, with particular focus on the third domain of Instructional Support. Write a critical analysis of the classroom using information from each instrument and criteria for high quality language/literacy environments and instruction drawn from the research literature.

3. *Research paper using primary research articles, chapters, or books to synthesize one early literacy researcher’s contributions to the field.* Select one early literacy researcher from suggested list and read all of the available primary work published by that researcher. (In the case of extremely prolific scholars, we will negotiate individually how to identify a representative sample of the researcher’s work.) Examine research themes as they emerge over the course of your researcher’s career and trace how the research focus shifts or solidifies over time.

4. *Class presentation in the form of a well-developed PowerPoint presentation on your researcher of choice.* These presentations should provide an overview of your researcher’s work, with a focus on trends in that individual’s research interests over time. All class members will use content of these presentations to facilitate the synthesis of research in the field of early literacy to be completed as the final exam for the course. All PowerPoints must be posted to Moodle by the first day of in class presentations.

5. *Mid-term examination on content from required texts.*

6. *Final reflective paper synthesizing trends in early literacy research as reflected in the work of authors studied by members of the class.* Given all of the research examined this semester and the specific researchers presented in detail over the final weeks of class, write an essay that presents your views on how the field of early literacy has evolved over the past decades. What issues were researchers exploring at the inception of this field of study? How has that changed over time?
Be sure to make specific reference to the work of individual researchers included in the presentations in addition to researchers whose work was included in class readings.

Class Expectations:

It is expected that the students have read the assigned chapters or pages and posted their responses on the Moodle Q/A Forum prior to class. This ensures that you have the minimum background necessary to properly participate in discussion and think critically about the concepts addressed. As a general policy, for each hour you are in class, you 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.

Class attendance and active participation in class meetings are expected. If you have to miss a class, you are responsible for finding out what you missed. All handouts will be made available on the course Moodle site after each class meeting. Excessive absences will be reflected in your score for professionalism/participation.

Evaluation and Grading:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weekly discussion board</td>
<td>50</td>
</tr>
<tr>
<td>Classroom evaluation (ELLCO)</td>
<td>50</td>
</tr>
<tr>
<td>Mid-term exam</td>
<td>100</td>
</tr>
<tr>
<td>Research paper</td>
<td>100</td>
</tr>
<tr>
<td>Presentation</td>
<td>20</td>
</tr>
<tr>
<td>Final paper</td>
<td>50</td>
</tr>
<tr>
<td>Professionalism/participation</td>
<td>10</td>
</tr>
</tbody>
</table>

Grading scale:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
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<tbody>
<tr>
<td>100 – 90%</td>
<td>A</td>
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<tr>
<td>89 – 80%</td>
<td>B</td>
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<tr>
<td>79 – 70%</td>
<td>C</td>
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<tr>
<td>69 – 60%</td>
<td>D</td>
</tr>
<tr>
<td>Less than 60%</td>
<td>F</td>
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</tbody>
</table>
Tentative Calendar

Week 1  Course overview; pre-assessment of foundational literacy knowledge

Week 2  Historical overview of field of early literacy research; National Early Literacy Panel purpose and methodology
Casbergue chaper (posted on Moodle); NELP Report - Introduction and Chapter 1; Neuman & Dickinson, Chs. 1.

Week 3  Identifying children's skills and abilities linked to later outcomes;
Classroom environments that support early literacy
NELP Report Ch. 2; ELLCO and CLASS protocols. McGee & Richgels, Ch. 6.; Neuman and Dickinson, Ch. 7.

Week 4  (Mardi Gras Holiday)

Week 5  Understanding children’s literacy development: development from birth – age three.
McGee & Richgels, Chs. 1-3; Neuman & Dickinson, Ch. 6.

Week 6  Understanding experimenting readers and writers; early, transitional, and self-generative readers and writers
McGee & Richgels, Chs. 4-5;

Week 7  Literacy-rich classrooms and developmentally appropriate practice;
Supporting literacy learning in preschool and kindergarten.
McGee & Richgels, Ch. 7-8; *Analysis of classroom literacy environments due*

Week 8  **Mid-term exam must be taken online by this date.**
Impact of code-focused and shared reading interventions on early literacy skills; policy implications of code-focused research.
NELP Report - Chs. 3-4; Neuman & Dickinson, Chs. 13, 14, 16, and 25.

Week 9  Impact of parent/home programs and preschool/kindergarten programs on early literacy skills; policy implications of research on home and school programs.
NELP Report - Chs. 5-6, Neuman & Dickinson, Chs. 12, 20, and 21.

Week 10  Impact of language enhancement interventions on early literacy skills
NELP Report - Ch. 7; Neuman & Dickinson, Chs. 26, and 28.
*Draft of research papers due*

Week 11  Spring Break
Weeks 12-14  Topics to be determined by research presentations
Read two research articles related to each classmates' presentation topics.

*Final edited research papers due week 15.*

Week 15  Final exam – synthesis paper based on research presentations.
REQUEST FOR ADDITION OF NEW COURSE

Department: Nutrition and Food Sciences  Date: 9/10/13
College: Agriculture

PROPOSED COURSE
Short Title: Food Nutr & Hlth Pr
Rubric & No.: HUEC 7012  Title: Food, Nutrition, and Health Promotion

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

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)

Catalog Text: (Concise catalog statement exactly as you wish it to appear in the LSU General Catalog)
Individual factors and the role of the environment, sectors of influence, and social and cultural norms impacting dietary habits and food consumption. Nutrition policy and dietary intake to promote health and wellness.

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
(Assume 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  7/10/13  College Faculty Approval  10/3/13

Department Chair's Signature  11/23/13  College Dean's Signature  10/3/13
Department Chair's Signature  (for 4000 level and above)  (date)  Chair, FS C&C Committee  (date)
Graduate Dean's Signature  (for 4000 level and above)  (date)
College Contact:
Georgianna Tuuri  (Please print name.)
College Contact E-mail: gtuuri@lsu.edu
jsherw1@lsu.edu  Academic Affairs Approval  (date)
Justification for Food, Nutrition, and Health Promotion (HUEC 7012)

An advanced course in human nutrition in the School of Nutrition and Food Sciences is needed to provide graduate students with a comprehensive investigation of the socio-ecological factors impacting dietary habits and food consumption and thorough examination of current nutrition policy recommendations to promote health and wellness. Food, Nutrition, and Health Promotion will not duplicate other existing courses and will encourage students to explore, in-depth, factors impacting personal dietary choices, environmental influences on food availability, sectors of influence on food selection, and social and cultural norms and values surrounding food consumption using a multi-disciplinary approach. Course materials will be presented at a level appropriate for students without science-centered backgrounds, but students will be challenged to investigate influences on dietary intake by reading assigned manuscripts, participating in class discussions and summarizing research findings. Students will each complete a well-researched application paper on a nutrition-related topic from a socio-ecological area of influence that is relevant to the student’s field of study. Students will present the application paper information to the class as a formal in-class presentation and will represent the topic as a participant in an “obesity summit” at the conclusion of the semester. Food, Nutrition, and Health Promotion (HUEC 7012) will be suitable for students seeking graduate degrees in, but not limited to, nutrition, food sciences, kinesiology, psychology and economics and for individuals seeking Louisiana State University Graduate Certificates in Behavior and Health, a program currently under development. Similarly to other courses recommended for the Graduate Certificate Program in Behavior and Health, Food, Nutrition, and Health Promotion will have no pre-requisites.
HUEC 7012: Food, Nutrition, and Health Promotion
Thursday: 4:40pm-7:40pm
Location: TBA
Semester: Fall 2014

Instructor: Georgianna Tuuri, PhD, RD, LDN
Office: 255 Knapp Hall
Office Hours: Thr 3:30-4:30 or by appointment

Phone: 578-1722
e-mail: gtuuri@lsu.edu

Course Description:
Individual factors and the role of the environment, sectors of influence, and social and cultural norms impacting dietary habits and food consumption will be examined using a multidisciplinary approach. Nutrition policy and dietary intake to promote health and wellness will be investigated.

Course Objectives:
Upon completion of this course students will be able to:
1. List, describe and compare the advantages and disadvantages of research designs and dietary assessment methods commonly used in nutrition research.
2. Argue the positive or negative impacts of factors in each of the four socio-ecological levels of influence on obesity and chronic disease.
3. Interpret and explain the evidence-based review process used to develop the national nutrition policy recommendations, examine the policy recommendations for dietary intake and food safety and use the public nutrition-education materials developed from this policy to develop personal goals for dietary intake.
4. Discuss dietary factors associated with prevalence of chronic conditions such as cardiovascular disease, cancer, cerebrovascular disease, and diabetes.
5. Describe the relationship between a chosen factor from one of the four socio-ecological levels of influence and food intake and risk for obesity in the form of a well-researched research review paper.
6. Explain the information contained in the research paper to the class as a power point presentation and defend the chosen factor’s association with obesity and chronic disease.
7. Participate in an “Obesity Prevention Summit” by explaining and defending how the factor reported in your research paper contributes to the current obesity epidemic.”

Course Expectations:
Students are expected to 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.

Required textbook and readings:
Academic Dishonesty:
Academic dishonesty will not be tolerated. Students caught cheating or plagiarizing will be dealt with according to the LSU Student Code of Conduct through the Dean of Student Affairs Office. **It is assumed that you have read, understand, and will comply with the Student Handbook for the University's specific policies on academic dishonesty.**

Student Disability:
Students with disabilities are advised to register with the Office of Disability Services located at 112 Johnston Hall. Their telephone number is 225-578-5919 or TDD: 225-578-2600. Their web site is [www.lsu.edu/disability](http://www.lsu.edu/disability) and e-mail address is disability@lsu.edu. It is necessary to provide the instructor with written explanation of special needs.

### Grading and Evaluation:

1. **Exams**
   - Midterm: 100 points
   - Final: 100 points
   - Total: 200 points

2. **Assignments**
   - 200 points
     - Manuscript
       - Each student will submit a comprehensive, well-researched manuscript about a socio-ecological factor in the student's area of professional interest that impacts dietary behaviors and food intake.
       - (See Moodle for assignment directions).
       - Total: 100 points

   - Oral presentation
     - Each student will give a 30 minute oral presentation to the class that presents their manuscript findings.
     - 10 pts can be earned for taping the in-class presentation prior to presenting it to the class and e-mailing it to Dr. Tuuri for review. **At least one day prior to the in-class presentation** (see Moodle for directions).
     - Total: 50 points

   - Obesity summit presentation
     - Each student will present findings from their obesity-related topic paper as part of an obesity prevention summit where the multi-faceted nature of the current obesity epidemic will be discussed (See Moodle for assignment directions).
     - Total: 50 points

3. **Class participation and weekly assignments**
   - 150 points
     - Class Participation (50 points)
• The course will include assigned reading materials, lecture and group discussion, and students should come to class having read the assigned readings and completed all assigned materials. It is essential that students be on time to class, participate in class activities and discussions and stay the entire class time. After reading each week assigned materials, students will develop at least one thoughtful question to be discussed in class and handed in for points. Questions will deal with key concepts, personal realizations, concerns, applications to one’s own field of study, or future research ideas. Thoughtful questions should be typed and submitted during class. Late class participation questions will not be accepted.
  o Points will be assigned as follows: 5 = multiple provocative comments prepared and shared; 4 = at least 1 provocative comment submitted and shared; 3 = thoughts shared but not prepared, 2 = multiple provocative thoughts prepared but not shared, 1 = thought prepared but not shared, 0 = no thoughts prepared or shared or absent from class.

Weekly Assignments (100 points)
• Weekly assignments will include a variety of topics and methods including: self-reflection, goal-setting, and critiques of current topics. Details on weekly assignments will be given in advance.

STUDENT LETTER GRADE:
The maximal points available for the semester total 550. A student’s letter grade will be based on the individual’s percentage of the point score. Based upon the student’s score and class performance the following letter grades will be assigned:
A = 90 -100%          D = 60 - 69%
B = 80 - 89%          F = < 60 %
C = 70 - 79%

➢ The instructor is the one who will excuse a student from classes or course responsibilities and the decision to excuse a student will be based upon the University-approved list of valid reasons (see PS-22 in the LSU Student Handbook).
➢ Please seek prior approval to miss class and provide proper documentation if class is missed.

Course Outline

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Readings</th>
<th>Assignment</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>- Introduction and welcome</td>
<td><a href="http://www.cdc.gov/nchs/hus.htm">www.cdc.gov/nchs/hus.htm</a></td>
<td>In-class practice searching for disease statistics. Discussion of the multiple levels of disease</td>
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<td></td>
<td>- The current situation: nutrition and chronic disease</td>
<td>Assigned research articles</td>
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<td></td>
<td>- The obesity crisis: a multi-level problem</td>
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<td>2.</td>
<td>- Research methods commonly used in nutrition-related research</td>
<td>Chapters 5, 6, 7 and assigned articles representing a variety of research methods.</td>
<td>In-class critique of research designs and dietary assessment methods</td>
</tr>
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<td>2</td>
<td>Socio-ecological framework of factors impacting nutrition and food decisions</td>
<td>Chapter 13; Carmody et. al; Kim, 2013; Taubes 2013</td>
<td>Class discussion and review of manuscripts. “Is a raw diet a healthy diet?”</td>
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<td>3</td>
<td>Individual Level: - Sensory influences on food preference and consumption.</td>
<td>Taste and smell: current research review Texture: Haber et al, 1977; Sight and sound: current research articles</td>
<td>Class discussion and review of manuscripts. “Does food texture influence food consumption?”</td>
</tr>
<tr>
<td>4</td>
<td>Individual Level: - Physiological influences on eating: brain, gut</td>
<td>Influence of gut and brain: Marx 2003; Gut microbes and body weight control; current article</td>
<td>Class discussion and review of manuscripts. “How do the ‘bugs’ inside us keep us healthy?”</td>
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<tr>
<td>5</td>
<td>Environmental Level: - The influence of home and school on food consumption</td>
<td>Parenting style and risk for obesity: Stang J, 2011; current research articles</td>
<td>Class discussion of parenting styles and review of how certain parenting styles are associated with greater risk for obesity.</td>
</tr>
<tr>
<td>6</td>
<td>Environmental Level: - The influence of community design and food service</td>
<td>Eating away from home: Larsen et al., 2011; current research article</td>
<td>Class discussion and review of manuscripts.</td>
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<tr>
<td><strong>establishments on food consumption</strong></td>
<td>“Are certain restaurants healthier than others?”</td>
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</tbody>
</table>
| **7. Sectors of Influence:**  
“Are biologically engineered foods healthy?”  
“How do government agriculture policies contribute to obesity?” |
| **8. Sectors of Influence:**  
Food safety, food marketing and media | Current research articles | Discuss current laws to keep food safe and defend or argue against having the laws.  
Defend and argue against the use of social media to advertise food. |
| **Midterm Exam** |   |   |
| **9. Social and Cultural Norms:**  
Beliefs systems, heritage, religion, lifestyle, body image. | Current research articles | Class discussion about body image and healthful diets.  
Review of manuscripts. |
| **10. Nutrition guidelines to maintain health** | Chapter 13:  
Dietary Guidelines for Americans 2010  
MyPlate  
[www.choosemyplate.gov/](http://www.choosemyplate.gov/) | In-class activities to locate information within the policy document and participation in an evidence-based review. Locate |
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| 11. | **Government Resources that Promote Nutritional Health**  
**Student research paper due by the beginning of class (submitted through Moodle)** | Healthy People 2020  
- 53 objectives in the area of "Diet and Nutrition"  
National Prevention Strategy: America's Plan for Better Health and Wellness (Surgeon General)  
- Healthy eating is one of the "priorities" (p. 34-37) | In-class activities to locate nutrition-related information within the national health objectives. |
| 12. | **Student In-class Presentations** |   |   |
| 13. | **Dietary Influences on Chronic Disease: Cardiovascular disease, cancer, and diabetes** | Chapters 28, 31, 34  
Pennington et al, 2007  
Position of the American Academy of Nutrition and Dietetics, 2013 | In-class discussion of assigned reading.  
"What should you eat or avoid eating to decrease your chances of developing chronic disease?" |
| 14. | **Obesity Summit** | Students will participate in an obesity summit where they will present information about how their topic, in one of the four socio-ecological levels, is associated with the current obesity epidemic. Topics may include food marketing and sensory properties of food, food pricing and | Obesity summit participation |
| 15 | Final Exam | The final will be a comprehensive, take-home, open-book, essay-type exam taken during the week of final exams. |

Bibliography*


*Please note that this bibliography represents an example of the types of articles to be reviewed and discussed. Current articles will be added to the list as needed.
Dear Anna,

7012 Food, Nutrition, and Health Promotion has not been offered as a special topics course before. It is a new graduate course.

Thanks

Dr. Tuuri

From: Tuuri, Georgianna
Sent: Wednesday, October 09, 2013 4:00 PM
To: 'Jennifer Neal'
Subject: RE: HUEC 7012

No Jennifer, 7012 Food, Nutrition, and Health Promotion has not been offered as a special topics course before. It is a new graduate course. Dr. Tuuri

From: Jennifer Neal [mailto:jscherw1@lsu.edu]
Sent: Wednesday, October 09, 2013 3:57 PM
To: Tuuri, Georgianna
Cc: Anna M Castrillo
Subject: Fwd: HUEC 7012

Dr. Tuuri,

Could you answer Anna’s question below?

Jennifer Neal
Coordinator of Student Services
College of Agriculture
Louisiana State University
jscherw1@lsu.edu

Sent via the Samsung GALAXY S®4, an AT&T 4G LTE smartphone

-------- Original message --------
From: Anna M Castrillo <acastr1@lsu.edu>
Date: 10/09/2013 2:25 PM (GMT-06:00)
To: Jennifer Neal <jscherw1@lsu.edu>
Subject: HUEC 7012

Jennifer,

I wasn’t sure who to send this to:

Has HUEC 7012 Food, Nutrition, and Health Promotion been offered as a special topics course before?
Request for CHANGING an Existing Course

<table>
<thead>
<tr>
<th>Department</th>
<th>Petroleum Engineering</th>
<th>College</th>
<th>Engineering</th>
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</thead>
<tbody>
<tr>
<td>Course Rubric and #</td>
<td>PETE 3037</td>
<td>Date</td>
<td>09/25/13</td>
</tr>
</tbody>
</table>

**Present Course Description**

<table>
<thead>
<tr>
<th>Title</th>
<th>Petroleum Field Operations</th>
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</thead>
</table>

| Semester Hours of Credit 1 | 1 |
| If combination course type, # hrs. of credit for lecture: | |
| lab/sem | |
| rec: | |

Repeat Credit Max (if repeatable) X

Graduate Credit? Yes: No: X

Credit will not be given for this course and: 

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

<table>
<thead>
<tr>
<th>LEC</th>
<th>LAB</th>
<th>SEM</th>
<th>REC</th>
<th>RES/IND</th>
<th>CLIN/PRACT</th>
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<td>3</td>
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</table>

Total Weekly Contact Hours: 3

Grading System: Letter Grade X Pass/Fail

**Course Description:**

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

Prereq.: permission of department. Registration in this course is restricted to students admitted to both the College of Engineering and the Petroleum Engineering major. 3 hrs. lab. Field operations associated with production engineering; field equipment and operation; pneumatic and electronic safety systems; fluid flow measurements.

**Proposed Course Description**

<table>
<thead>
<tr>
<th>Title</th>
<th>Petroleum Field Operations</th>
</tr>
</thead>
</table>

| Semester Hours of Credit 1 | 1 |
| If combination course type, # hrs. of credit for lecture: | |
| lab/sem | |
| rec: | |

Repeat Credit Max (if repeatable) X

Graduate Credit? Yes: No: X

Credit will not be given for this course and: 

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

<table>
<thead>
<tr>
<th>LEC</th>
<th>LAB</th>
<th>SEM</th>
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<tr>
<td>3</td>
<td></td>
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</tbody>
</table>

Total Weekly Contact Hours: 3

Grading System: Letter Grade X Pass/Fail

**Course Description:**

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

Prereq.: CE 2200 and credit or registration in ME 3333. Registration in this course is restricted to students admitted to both the College of Engineering and the Petroleum Engineering major. 3 hrs. lab. Field operations associated with production engineering; field equipment and operation; pneumatic and electronic safety systems; fluid flow measurements.

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

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

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

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

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

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

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

**APPROVALS:**

Department Faculty Approval Date 09/25/13

Kurt Finn 9/25/13

Department Chair’s Signature 09/25/13(Date)

Graduate Dean’s Signature (Date)

College Contact: 

(Please print name.)

College Contact E-mail: 

College Faculty Approval Date 9/26/13

Lisa Faust 9/26/13

College Dean’s Signature (Date)

Chair, FS C & C Committee (Date)

Academic Affairs Approval (Date)
Justification

This course is a required course in the PETE Curriculum only

This course is a prerequisite for PETE 4998

Reevaluating prerequisite list for all PETE courses to ensure they are appropriate. CE 2200 and ME 3333 have been "implied" prerequisites with where the courses fall in the curriculum plan. Students who have taken PETE 3037 without having CE 2200 and ME 3333 do not perform as well as those that have had these courses. Making them formal pre- and co-requisites will allow the students participating in PETE 3037 perform at a higher level.
Request for CHANGING an Existing Course

Department: Petroleum Engineering
Course #: PETE 4046

Present Course Description
Title: Well Design-Production
Semester Hours of Credit: 3
If combination course type, # hrs. of credit for lecture: __/rec: ___
Repeat Credit Max (if repeatable): ___
Graduate Credit? Yes: ___ No: ___

Proposed Course Description
Title: Well Design-Production
Semester Hours of Credit: 3
If combination course type, # hrs. of credit for lecture: __/rec: ___
Repeat Credit Max (if repeatable): ___
Graduate Credit? Yes: ___ No: ___

Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC ___ LAB ___ SEM ___ REC ___ RES/IND ___ CLIN/PRAC ___
Total Weekly Contact Hours: ___
Grading System: Letter Grade ___ Pass/Fail ___

Credit will not be given for this course and: 

Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC ___ LAB ___ SEM ___ REC ___ RES/IND ___ CLIN/PRAC ___
Total Weekly Contact Hours: ___
Grading System: Letter Grade ___ Pass/Fail ___

Course Description:
Include course number, title, etc. exactly as it appears in the General Catalog
Prereq.: PETE 4045, CE 2460 or ME 3133 and CE 3400. Registration in this course is restricted to students admitted to both the College of Engineering and the Petroleum Engineering major. Analysis and design of well production systems; rod pumping, gas lift.

Prereq.: PETE 4045 and CE 3400. Registration in this course is restricted to students admitted to both the College of Engineering and the Petroleum Engineering major. Analysis and design of well production systems; rod pumping, gas lift.

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

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

JUSTIFICATION/EXPLANATION: Use separate sheet.

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

APPROVALS:
Department Faculty Approval Date: 09/25/13
Department Chair's Signature: __________________________
Date: 09/25/13(Date)

College Faculty Approval Date: 09/26/13
College Dean's Signature: __________________________
Date: __________________________
Chair, FS C & C Committee: __________________________
Date: __________________________

Academic Affairs Approval: __________________________
Date: __________________________
Justification

This course is a required course in the PETE Curriculum only.

Primary justification is the shift in the Physics requirements prompted the Faculty to reevaluate the prerequisite list for all PETE courses to ensure they are appropriate. Through that process, the Dynamics class (CE 2460 or ME 3133) that was a required course in the old curriculum became one of several technical electives that students could, but are not required to take. Since they are no longer required to take the course, we cannot require it as a prerequisite for PETE 4046 and will either teach the content as part of the course or migrate the dynamics discussions to other PETE design elective courses.

This is a short-term fix for this course since part of the content for the course will shift to the PETE 3085 – Well Performance and Production course that begins in two years. Until the PETE 3085 course begins, the content for this course should remain largely unchanged. Once PETE 3085 is implemented and begins, a course change for PETE 4046 will be required and the focus will shift to well construction and well stimulation.
Request for CHANGING an Existing Course

Department: Petroleum Engineering
Course Rubric and #: PETE 4050
College: Engineering
Date: 09/25/13

Present Course Description
Title: Reservoir Dynamics

Semester Hours of Credit: 3
If combination course type, # hrs. of credit for lecture: lab/sem/rec: Repeat Credit Max (if repeatable): X
Graduate Credit?: Yes: No:
Credit will not be given for this course and:

Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC 3 LAB ___ SEM ___ REC ___ RES/IND ___ CLIN/PRAC ___
Total Weekly Contact Hours: 3
Grading System: Letter Grade X Pass/Fail

Course Description:
Include course number, title, etc., exactly as it appears in the General Catalog
Prereq.: PETE 2032, ME 3333 and MATH 2065. Registration in this course is restricted to students admitted to both the College of Engineering and the Petroleum Engineering major. Fundamentals of reservoir flow; application to single-well performance, well testing, gas reservoir engineering; waterflood fundamentals.

Proposed Course Description
Title: Reservoir Dynamics
Short Title: RESERVOIR DYNAMICS

Semester Hours of Credit: 3
If combination course type, # hrs. of credit for lecture: lab/sem/rec: Repeat Credit Max (if repeatable): X
Graduate Credit?: Yes: No:
Credit will not be given for this course and: PETE 3050
Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC 3 LAB ___ SEM ___ REC ___ RES/IND ___ CLIN/PRAC ___
Total Weekly Contact Hours: 3
Grading System: Letter Grade X Pass/Fail

Course Description:
Include course number, title, etc., exactly as it appears in the General Catalog
Prereq.: PETE 2032, ME 3333 and MATH 2065. Credit will not be given for both this course and PETE 3050. Registration in this course is restricted to students admitted to both the College of Engineering and the Petroleum Engineering major. Fundamentals of reservoir flow; application to single-well performance; well testing, gas reservoir engineering; waterflood fundamentals.

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

JUSTIFICATION/EXPLANATION: Use separate sheet.

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

APPROVALS:
Department Faculty Approval Date 09/25/13

Department Chair's Signature
09/25/13 (Date)

Graduate Dean's Signature
(Date)

College Contact
(Please print name.)

College Contact E-mail:

College Faculty Approval Date 9/26/13

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

Chair, FS C & C Committee
10/15/13 (Date)

Academic Affairs Approval
9/19/13 (Date)
Justification

This course is a required course in the current PETE Curriculum only.

This course is a prerequisite course for PETE 4056 in the current PETE curriculum but PETE 4050 will be shifting to PETE 3050 if the curriculum is approved necessitating the change in the course description. This course will be terminated when students on the current curriculum migrate to the new one or graduate.
Request for CHANGING an Existing Course

Department: Petroleum Engineering  
Course Rubric and #: PETE 4056

College: Engineering  
Date: 09/25/13

Present Course Description

Title: Numerical Simulation of Improved Recovery Processes

Semester Hours of Credit: 3

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

Repeat Credit Max (if repeatable): X

Graduate Credit? Yes:  
No: 

Credit will not be given for this course and: 

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

LEC 3  LAB  SEM  REC  RES/IND  CLIN/PRACT

Total Weekly Contact Hours: 3

Grading System: Letter Grade X  Pass/Fail 

Proposed Course Description

Title: Numerical Simulation of Improved Recovery Processes

Short Title: NUM SIM IMP REC PRO

Semester Hours of Credit: 3

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

Repeat Credit Max (if repeatable): X

Graduate Credit? Yes:  
No: 

Credit will not be given for this course and: 

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

LEC 3  LAB  SEM  REC  RES/IND  CLIN/PRACT

Total Weekly Contact Hours: 3

Grading System: Letter Grade X  Pass/Fail 

Course Description:

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

Prereq: MATH 2065 and PETE 4050 and PETE 4051. Registration in this course is restricted to students admitted to both the College of Engineering and the Petroleum Engineering major. Use of computer simulation to predict oil and gas reservoir performance and to design enhanced recovery processes.

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

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

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

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

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

Justification/Explanation: Use separate sheet.

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

Approvals:

Department Faculty Approval Date: 09/25/13

Department Chair's Signature: 09/25/13 (Date)

Graduate Dean's Signature: 10-7-13

College Faculty Approval Date: 09/25/13

College Dean's Signature: (Date)

Chair, FS C & C Committee: (Date)

Academic Affairs Approval: (Date)
Justification

This course is a required course in the PETE Curriculum only.

PETE 4050 will be shifting to PETE 3050 if the curriculum is approved necessitating the change in prerequisite courses.
Request for CHANGING an Existing Course

Department  SSW
Course Rubric and #  CFS 3090
Present Course Description
Title  PROFESSIONAL SEMINAR IN FAMILY, CHILD & CONSUMER SCIENCES
Semester Hours of Credit  2
If combination course type, # hrs. of credit for
lecture: ___ lab/sem: ___ Rec: ___
Repeat Credit Max (if repeatable) ___
Graduate Credit?  Yes: ___  No: X___
Credit will not be given for this course and: ___
Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC ___ LAB ___ SEM ___ REC ___ RES/ IND ___ CLIN/ PRACT ___
Total Weekly Contact Hours: ___
Grading System: Letter Grade ___ Pass/Fail ___
Course Description: Include course number, title, etc; exactly as it appears in the General Catalog:
3090 Profession Seminar in Family, Child & Consumer Sciences (2) Prereq, L at least 2 credit hrs. of CFS 3067 or concurrent enrollment in CFS 3067. For majors only. Pre-internship seminar, the family, child and consumer scientist in today's society.

Proposed Course Description
Title  PROFESSIONAL SEMINAR IN CHILD & FAMILY STUDIES
Short Title  PROF SEMINAR CFS
Semester Hours of Credit  2
If combination course type, # hrs. of credit for
lecture: ___ lab/sem: ___ Rec: ___
Repeat Credit Max (if repeatable) ___
Graduate Credit?  Yes: ___  No: X___
Credit will not be given for this course and: ___
Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC ___ LAB ___ SEM ___ REC ___ RES/ IND ___ CLIN/ PRACT ___
Total Weekly Contact Hours: ___
Grading System: Letter Grade ___ Pass/Fail ___
Course Description: Include course number, title, etc; exactly as it appears in the General Catalog:
CFS 3090 Professional Seminar in Child & Family Studies (2) Prereq.: Credit or registration in CFS 3067. For majors only. Pre-internship seminar.

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

JUSTIFICATION/EXPLANATION: Use separate sheet.

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

APPROVALS:
Department Faculty Approval Date  5-13-13
Department Chair's Signature  5-13-13
Graduate Dean's Signature  (Date)
College Contact: Casey Bennett
(Please print name.)
College Contact E-mail: cbenne5@lsu.edu

College Faculty Approval Date  10/13
College Dean's Signature  10/15/13
Chair, FS C & G Committee  10/15/13
Academic Affairs Approval  10/19/13
JUSTIFICATION:

The name of the curriculum was previously changed from Family, Child & Consumer Sciences (FCCS) to Child & Family Studies (CFS). The failure to change the course title of CFS 3090 at the same time was an oversight.

The change from variable credit hours to 3 credit hours in CFS 3067 is more consistent with the requirements of this course.

This course is a prerequisite for CFS 4067.
Request for CHANGING an Existing Course

Department: School of Social Work  
Course Rubric and #: CFS 3067  
College: CHSE  
Date: 5-9-13

Present Course Description
Title: FIELD EXPERIENCE IN FAMILY, CHILD & CONSUMER SCIENCE

Semester Hours of Credit: 1-4

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

Credit will not be given for this course and: 

Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC __ LAB __ SEM __ REC __ RES/IND __ CLIN/PRACT 1-4 
Total Weekly Contact Hours: 2-8

Grading System: Letter Grade _X_ Pass/Fail __

Course Description: 
Include course number, title, etc., exactly as it appears in the General Catalog
3067 Field Experience in Family, Child & Consumer Science (1-4) Prereq.: CFS 2050 or CFS 2065. 2-8 hrs. field experience per week. For majors only. May be taken for a max. of 4 sem. hrs. credit. Supervised professional experience designed to integrate academic learning with practice.

Proposed Course Description
Title: FIELD EXPERIENCE IN CHILD & FAMILY STUDIES

Semester Hours of Credit: 3

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

Credit will not be given for this course and: 

Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC __ LAB __ SEM __ REC __ RES/IND __ CLIN/PRACT 0
Total Weekly Contact Hours: 

Grading System: Letter Grade _X_ Pass/Fail __

Course Description: 
Include course number, title, etc., exactly as it appears in the General Catalog
CFS 3067 Field Experience in Child & Family Studies (3) Prereq.: CFS 2050 or CFS 2065. For majors only. 6 hrs. field experience per week. Supervised professional experience designed to integrate academic learning with practice.

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

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

JUSTIFICATION/EXPLANATION: Use separate sheet.

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

APPROVALS:
Department Faculty Approval Date: 5-13-13  
Department Chair’s Signature: (Date) 
Graduate Dean’s Signature: (Date)  
College Contact: Casey Bennett  
College Contact E-mail: cbenne5@lsu.edu  
College Faculty Approval Date: 9-30-13  
College Dean’s Signature: (Date)  
Chair, FS C & C Committee: (Date)  
Academic Affairs Approval Date: 1-9-13
JUSTIFICATION:

The name of the curriculum was previously changed from Family, Child & Consumer Sciences (FCCS) to Child & Family Studies (CFS). The failure to change the course title of CFS 3067 at the same time was an oversight. The change from variable credit hours to 3 credit hours is more consistent with the requirements of this course.

This course is a prerequisite for CFS 4067 and a prerequisite/corequisite for CFS 3090.
REQUEST FOR DROPPING A COURSE
PLEASE SUBMIT 17 COPIES OF EACH REQUEST

Department: Biological & Agricultural Engineering
College: Engineering

Course rubric & no. BE 4360
Title: Mobile Fluid Power 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 in the following curriculum, minor, concentration, area of specialization:

__________________________________________________________________________

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

if answer to above is yes, please list courses by rubric and course number.
Rubric _______ Course # _______ Rubric _______ Course # _______
Rubric _______ Course # _______ Rubric _______ Course # _______

Is this course on the general education list? Yes ( ) No (X)
If yes, attach approval of drop from General Education Committee

REASON FOR REQUEST TO DROP COURSE:
The instructor left the university and there is no one to teach the course.

APPROVALS:
Department Faculty Approval Date 9-16-13
Department Chair's Signature

College Faculty Approval Date 9-26-13
College Dean's Signature

Graduate Dean's Signature

Chair, FS C & C Committee

Academic Affairs Approval
Request for CHANGING an Existing Course

Department: School of Social Work  
Course Rubric and #: CFS 2065  
College: CHSE  
Date: 5-9-13

Present Course Description

Title: MANAGEMENT OF FAMILY SYSTEMS AND SERVICES

Semester Hours of Credit: 3

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

Repeat Credit Max (if repeatable): ___________

Graduate Credit?  Yes: ___  No: X

Credit will not be given for this course and: ___________

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

LEC 3  LAB  ___  SEM  ___  REC  ___  RES/IND  ___  CLIN/PRAC  ___

Total Weekly Contact Hours: ___3___

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

Course Description:

CFS 2065 Management of Family Systems and Services (3)  
Prereq.: Credit or registration in HUEC 1000. A systems perspective of contemporary families and their processes including environmental influences, elements of family management and management of school and community resources and services.

Proposed Course Description

Title: MANAGEMENT OF FAMILY SYSTEMS AND SERVICES

Short Title: MGT FAMILY SYST SER

Semester Hours of Credit: 3

If combination course type, # hrs. of credit for lecture: ___/rec: ___

Repeat Credit Max (if repeatable): ___

Graduate Credit?  Yes: ___  No: X

Credit will not be given for this course and: ___________

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

LEC 3  LAB  ___  SEM  ___  REC  ___  RES/IND  ___  CLIN/PRAC  ___

Total Weekly Contact Hours: ___3___

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

Course Description:

CFS 2065 Management of Family Systems and Services (3)  
A systems perspective of contemporary families and their processes including environmental influences, elements of family management and management of school and community resources and services.

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

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

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

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

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

JUSTIFICATION/EXPLANATION: Use separate sheet.

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

APPROVALS:

Department Faculty Approval Date: 5-13-13

(Stamp)

Department Chair's Signature: S. E.  (Date)

Graduate Dean's Signature: (Date)

College Contact: Casey Bennett

(Please print name.)

College Contact E-mail: cbenne5@lsu.edu

College Faculty Approval Date: 9-30-13

(Stamp)

College Dean's Signature: Andrew  (Date)

Chair, FS C & C Committee:  (Date)

Academic Affairs Approval:  (Date)
Request for CHANGING an Existing Course

Present Course Description

Title: Statistics and Graphics with MATLAB

Semester Hours of Credit: 3

If combination course type, # hrs. of credit for:
lecture: 2
lab/sem: 1
rec: 1

Repeat Credit Max (if repeatable) x

Graduate Credit? Yes: ___ No: ___

Credit will not be given for this course and: CSC 1248, 2262, 2533 or OCS 2011
Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC 2  LAB 2  SEM  REC  RES/IND  CLIN/ PRACT

Total Weekly Contact Hours: 4

Grading System: Letter Grade X  Pass/Fail ___

Course Description:

1240 Statistics and Graphics with MATLAB (3) Prereq.: MATH 1021 or placement in MATH 1022, 1023, 1431, 1550 or 1551. 2 hrs. lecture; 2 hrs. lab. Credit will not be given for both this course and CSC 1248 or 2262 or 2533 or OCS 2011. Not for degree credit for computer science majors. Introduction to MATLAB programming with applications in statistics and graphics.

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

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

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

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

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

JUSTIFICATION/EXPLANATION: Use separate sheet.

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

APPROVALS:

Department Faculty Approval Date 8-23-2013

Department Chair's Signature

College Faculty Approval Date 9-26-13

College Dean's Signature

Chair, FS C & C Committee

Academic Affairs Approval
REQUIRED CURRICULA:
Construction Management

JUSTIFICATION:
The request for dropping CSC 1248 Programming Applications in Statistics from the LSU General Catalog is being submitted at this time. CSC 1248 has been made obsolete by the revised and more current course CSC 1240.

Course content for CSC 1240 has not been changed; all course requirements for continued inclusion on the General Education Analytical Reasoning section remain in place.
CSC 1240
Statistics and Graphics with MATLAB
Proposal for Renewal on General Education Analytical Reasoning List
October 20, 2011

1 Syllabus

CATALOG DESCRIPTION
1240 Statistics and Graphics with MATLAB (3) Prereq.: MATH 1021 or placement in MATH 1022, 1023, 1431, 1550 or 1551. 2 hrs. lecture; 2 hrs. lab. Credit will not be given for both this course and CSC 2262 or 2533 or OCS 2011. Not for degree credit for computer science majors. Introduction to MATLAB programming with applications in statistics and graphics.

TEXT

GENERAL EDUCATION ANALYTICAL REASONING COURSE
This course can be used to meet three hours toward the General Education requirements for analytical reasoning. See the LSU general catalog and your curriculum advisors for your degree program requirements. CSC 1240 teaches use of probability and logic to solve computational problems in theoretical and real world situations. Also the course teaches how to translate problem situations into symbolic representations by using a programming language.

CONTACT
Instructor: Nate Brener
Office: Coates 164
Phone: 578-3184
Time and Room for lectures: 12:30-1:30 MW, Room TBA
Time and Room for lab: 12:30-2:30 F, Middleton 232

EXPECTATION of WORK EFFORT
It is expected that a student has 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. Note that lack of efficiency in speed of typing may significantly increase the time needed for completing the assignments.

GRADING SYSTEM

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam 1</td>
<td>100</td>
</tr>
<tr>
<td>Exam 2</td>
<td>100</td>
</tr>
<tr>
<td>Final Exam</td>
<td>100</td>
</tr>
<tr>
<td>Lab Assignments</td>
<td>100</td>
</tr>
</tbody>
</table>

TOTAL 400 points

Letter Grade
A 360 – 400 points
B 320 – 359 points
C 280 – 319 points
D 240 – 279 points
MAJOR TOPICS TO BE COVERED

1. Fundamentals of MATLAB programming
   a. Variables
   b. Arrays
   c. Input / Output
   d. Library functions
   e. Arithmetic expressions
   f. If statements
   g. Loops

2. Statistics
   a. Average
   b. Maximum, minimum
   c. Variance, standard deviation
   d. Median, quartiles
   e. Mode
   f. Linear regression
   g. Quadratic regression
   h. Multiple regression

3. Graphics
   a. Basics of plotting
   b. Interactive editing of graphs and figures
   c. Printing graphs, exporting graphs to MS Word documents
   d. Plotting multiple curves on the same graph
   e. Plotting with left and right Y axes
   f. Plotting surfaces
   g. Plotting contours
   h. Displaying images

TOPICS FOR LABS

Lab 1:  Topics 1a, 1b, 1c
Lab 2:  Topics 1d, 1e
Lab 3:  Topic 1f
Lab 4:  Topic 1g
Lab 5:  Topics 2a, 2b, 2c
Lab 6:  Topics 2d, 2e
Lab 7:  Topics 2f, 2g
Lab 8:  Topic 2h
Lab 9:  Topic 3a
Lab 10: Topics 3a, 3b, 3c
Lab 11: Topics 3d, 3e
Lab 12: Topics 3f, 3g, 3h

GRADING OF LAB ASSIGNMENTS

Each lab assignment will consist of 2 or 3 programs (usually 2 programs). Each program will count 4 points. The programs are due to be submitted electronically by midnight on the Sunday after the lab. Late programs will not be accepted.
2. An explanation of why the course belongs in the General Education Program and why it should be listed in the area proposed. This explanation should explicitly describe how this course meets the specific criteria established for this area as stated in the guidance documents available on the LSU General Education Web Site (http://www.lsu.edu/aafs/areas.html).

CSC 1240 satisfies all five criteria for the General Education Analytical Reasoning area. This course addresses problem solving by employing all five of the following methods:

- **Elementary logic**
  CSC 1240 teaches programming logic including sequence, selection, and repetition.

- **Formal languages**
  CSC 1240 teaches the MATLAB language which is a widely used formal programming language.

- **Statistical reasoning**
  CSC 1240 employs a number of statistics including averages, standard deviations, medians, quartiles, modes, linear regression, and multiple regression.

- **Probability**
  CSC 1240 uses probability in the linear and multiple regression methods.

- **Algebraic or geometric reasoning**
  CSC 1240 uses algebra in the statistical methods mentioned above.

3. Consult the list of general education competencies and cite the competency to be addressed in the present course. Also describe how the department will provide direct evidence for the extent that students are achieving the general education competency associated with the course. Summary statements drawn from the assessment of students' authentic work in the course probably offer the most accessible direct evidence of learning. Please be as specific as possible. This is not the same as the syllabus description of how grades will be assigned. This evidence will be presented as part of the department's biennial reporting process associated with the University Assessment Matrix. For further clarification, contact Dr. Bobby Matthews (578-1145, islblm@lsu.edu).

We will demonstrate assessment of the following general education competency:

**General Education Analytical Reasoning Competency**
LSU graduates will employ scientific and mathematical methods and technology in the resolution of laboratory and real-world problems.

Assessment mechanisms for achieving the General Education Analytical Reasoning competency will be through tests, weekly lab assignments and final exam. Individual questions/problems from the student materials will be mapped to this competency to draw overall conclusions as described below. Direct evidence of overall course achievement of the General Education Analytical Reasoning competency will be in the form of summary statements drawn from a review of students’ work in the course.

The following are sample examination questions, programming assignments, and rubrics used to assess individual students and to produce an overall assessment of the effectiveness of CSC 1240.

**Sample Assignments for Assessment of Analytical Reasoning Competency**

We will use four lab programming assignments and four exam programming assignments to assess student attainment of the General Education Analytical Reasoning competency. The following are examples of the programming assignments to be used. Program 1 assesses understanding and application of algebra and logic, Programs 2 and 3 assess understanding and application of probability and statistics, and logic, and Programs 4 and 5 assess translating problem situations into symbolic representations and using those representations to solve problems.
**Program 1 (algebra, logic)**
The Beattie-Bridgeman equation of state, \( P = R^* T/V + a/V^2 + b/V^3 + c/V^4 \), is a three-parameter extension of the ideal gas law, where \( P \) is the pressure, \( T \) is the temperature, \( V \) is the volume, \( R^* = 0.082 \), \( a = -1.06 \), \( b = 0.057 \), and \( c = -0.0001 \).

Write a MATLAB program as follows:
1) \( P \) will go from 1.2 atm to 1.6 atm in steps of .1 atm.
2) For each value of \( P \), \( T \) will go from 283° to 298° in steps of 5°.
3) For each set of values of \( P \) and \( T \), calculate the volume \( V \) by iterating an equation of the form \( V_{\text{new}} = f(V_{\text{old}}) \). Use 1e-8 as the convergence criterion and 15 as the initial guess for \( V \). Print \( P \), \( T \), and \( V \).

**Program 2 (probability and statistics, logic)**
Write a MATLAB program as follows:
1) Read a file that has data on a store’s customers and sales during the past 20 weeks. Each line in the file corresponds to one of the weeks in this 20 week period and contains the number of customers who made purchases at the store and the store’s sales in thousands of dollars during that week.
2) Use the linear regression method to predict the sales that the store would have during a week when 800 customers make purchases. Print the number of customers and the linear regression predicted sales.
3) Also use the quadratic regression method to predict the sales that the store would have during a week when 800 customers make purchases. Print the number of customers and the quadratic regression predicted sales.
4) Then calculate and print the 95% probability interval for the linear regression predicted sales.

**Program 3 (probability and statistics, logic)**
Write a MATLAB program to read a data file with an unknown number of lines, where each line in the file has a student ID and the student’s grades on exam 1, exam 2, exam 3, the final exam, and the homework. For each student, the program will calculate the semester grade as follows:

Exams 1, 2 and 3 count 15% each, the final exam counts 35%, and the homework counts 20%.

The program will then print the ID, final exam grade, and semester grade. The program will also calculate and print the average, standard deviation, and median of the final exam grades, and the average, standard deviation, and median of the semester grades.

**Program 4 (translating problem situations into symbolic representations and using those representations to solve problems)**
Write a MATLAB program to read a data file with an unknown number of lines, where each line in the file has an employee ID and the employee’s sales. For each line in the file, the program will calculate the commission as follows:

- \( \text{sales} \leq 30,000 \quad \text{com} = 20\% \text{ of sales} \)
- \( 30,000 < \text{sales} \quad \text{com} = 6,000 \text{ plus } 25\% \text{ of sales in excess of } 30,000 \)

The program will then calculate the withholding tax as follows:

- \( \text{com} \leq 3,000 \quad \text{wt} = 5\% \text{ of com} \)
- \( 3,000 < \text{com} \leq 6,000 \quad \text{wt} = 150 \text{ plus } 7\% \text{ of com in excess of } 3,000 \)
- \( 6,000 < \text{com} \leq 10,000 \quad \text{wt} = 360 \text{ plus } 9\% \text{ of com in excess of } 6,000 \)
- \( 10,000 < \text{com} \quad \text{wt} = 720 \text{ plus } 12\% \text{ of com in excess of } 10,000 \)

The program will then print the ID, commission, and withholding tax.
Program 5 (Translating problem situations into symbolic representations and using those representations to solve problems)
Write a MATLAB program to read a data file with an unknown number of lines, where each line in the file has a student name, 3 exam grades, a final exam grade, and a homework grade. The maximum number of characters in a name is 20.
The program should do the following:
1) For each student, calculate the semester grade as follows:
   a) The 3 exam grades count 15% each.
   b) The final exam grade counts 35%.
   c) The homework counts 20%.
2) Print the student’s name, final exam grade, and semester grade.
3) After printing the first list of names and grades, print a blank line and then print a second list of names and grades in which the final exam grades are in decreasing order.
4) Print a blank line and then print a third list of names and grades in which the semester grades are in decreasing order.
5) Print a blank line and then print a fourth list of names and grades in which the names are in alphabetical order.

Rubric to Assess General Education Analytical Reasoning Competency (employing scientific and mathematical methods and technology in the resolution of laboratory and real-world problems)

The student’s average grade on the 8 programs < 70 __ Competency Not Met
The student’s average grade on the 8 programs >=70 and <90 __ Competency Met
The student’s average grade on the 8 programs >=90 __ Competency Exceeded
Rubric for OVERALL Assessment
of General Education Analytical Reasoning Course
CSC 1240 “Statistics and Graphics with MATLAB”

COURSE INSTRUCTOR: ______________ TERM: ___Fall/ ___Spring/ ___Summer
SECTION NUMBER: ______ YEAR: ______________

General Education Analytical Reasoning Competency
LSU graduates will employ scientific and mathematical methods and technology in the resolution of laboratory and real-world problems.

Record the proportion of students who:
___Exceed Competency/ ___Meet Competency/ ___Do Not Meet Competency

If more than 30% of the students do not meet this competency, the course has not met this competency.
If 70% of the students meet or exceed this competency, the course has met this competency.
If 85% of the students meet or exceed this competency, the course has exceeded this competency.
Competency was: ___Exceeded / ___Met/ ___Not Met

This evidence will be supplied as part of the department’s biennial reporting process associated with the University Assessment Matrix.
Request for CHANGING an Existing Course

Present Course Description

Title: Introduction to Programming

Semester Hours of Credit: 3

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

Repeat Credit Max (if repeatable): ___

Graduate Credit? Yes: ___ No: X

Credit will not be given for this course and: CSC 1248, CSC 1253, CSC 1356, ISDS 3107

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

LEC 3 LAB ___ SEM ___ REC ___ RES/IND ___ CLIN/PRAC ___

Total Weekly Contact Hours: 3

Grading System: Letter Grade: X Pass/Fail ___

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

1250 Introduction to Programming (3)

Credit will not be given for this course and CSC 1248 or 1253 or 1350 or ISDS-3107. Fundamentals of problem solving, program design, algorithms, and programming using a high-level language.

Proposed Course Description

Title: Introduction to Programming

Short Title: INTRO PROGRAMMING

Semester Hours of Credit: 3

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

Repeat Credit Max (if repeatable): ___

Graduate Credit? Yes: ___ No: X

Credit will not be given for this course and: CSC 1253, 1350

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

LEC 3 LAB ___ SEM ___ REC ___ RES/IND ___ CLIN/PRAC ___

Total Weekly Contact Hours: 3

Grading System: Letter Grade: X Pass/Fail ___

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

1250 Introduction to Programming (3)

Credit will not be given for this course and CSC 1253 or 1350. Fundamentals of problem solving, program design, algorithms, and programming using a high-level language.

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

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

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

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

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

JUSTIFICATION/EXPLANATION: Use separate sheet.

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

APPROVALS:

Department Faculty Approval Date: 9-19-2013

Department Chair's Signature: 9-24-2013

Graduate Dean's Signature: (Date)

College Contact: __________________________

College Contact E-mail: __________________________

College Faculty Approval Date: 9-26-13

College Dean's Signature: 9-26-13

Chair, PSC & C Committee: (Date)

Academic Affairs Approval: (Date)
CHANGES:
- DROP CSC 1248 from the list of courses which prohibits a student from receiving credit in more than one.
- DROP CSC 3107 from the list of courses which prohibits a student from receiving credit in more than one.

JUSTIFICATION:
CSC 1250 was originally part of a 3-course introductory sequence in computer science (CSC 1250, 1251, 2290). The 3-course sequence is no longer offered; CSC 1251 and 2290 have previously been deleted from the catalog. The department now routinely schedules only 2-course sequences (CSC 1350/1351 Java; 1253/1254 C++). CSC 1250 has remained in the catalog to facilitate transfer credits for students who have earned credits in an introduction to programming, but whose credits lack the rigor of content in the courses CSC 1253 or 1350.

CSC 1248 is being omitted from the list for which both course credits cannot be received because CSC 1248 is now obsolete and proposed to be deleted from the catalog.

Based on the review of the topics of instruction and assignments in ISDS 3107 "Beginning Programming", the CSC_E faculty agreed that the programming content overlap is not as great as once perceived in our introductory courses CSC 1250, 1253 and 1350. Therefore CSC_E would like students to be able receive credit in ISDS 3107 and one of CSC 1250, 1253 or 1350.

Additional exposure to technologies in ISDS 3107 which are not offered in our curricula will be beneficial to CSC majors pursuing the Information Technology Management minor. CSC majors may use the ISDS 3107 credits toward the CSC degree requirements to meet the 5-hour total "tech-requirements" as listed in Group A or applied to approved free electives only in the Software Engineering and Distributed Systems & Networking concentrations.
Date: Fri, 20 Sep 2013 02:59:11 +0000
From: Laurene L Hutchinson <hutchi@lsu.edu>
To: Coretta Douglas <douglas@csc.lsu.edu>
CC: Carolyn B Borne <cborne1@lsu.edu>, Ashley R Junek <cjxunek@lsu.edu>, Helmut Sc .....
Subject: Re: CSC_E: Request Acknowledgement Drop Mention of ISDS 3107

I understand the changes proposed to CSC 1250, 1253 and 1350 and ISDS has no objections.

Thank you so much for your help in this matter. I think it will benefit both CSC and ISDS majors.

Laurene

Sent from my iPhone

On Sep 19, 2013, at 2:48 PM, "Coretta Douglas" <douglas@csc.lsu.edu> wrote:

Hi Laurene,

Based on the review of the topics of instruction and assignments in ISDS 3107 "Beginning Programming", the CSC_E faculty have agreed that the content overlap is not as great as once perceived in our introductory programming courses CSC 1250, 1253 and 1350.

In fact the additional exposure to technologies not offered in our curricula will be beneficial to CSC majors pursuing the Information Technology Management minor. CSC_E would like students to be able receive credit in ISDS 3107 and one of CSC 1250, 1253 or 1350.

CSC majors may use the ISDS 3107 credits toward the CSC curriculum requirements to meet the 6 hour total "tech-requirements" or applied to approved free electives only in the Software Engineering and Distributed Systems & Networking concentrations.

Please send a brief statement that you understand the changes proposed to CSC 1250, 1253, and 1350 and have no objections.

Sincerely,

Coretta Douglas
Undergraduate Coordinator
Division of CSC_E
College of Engineering
PFT #3118
Dear Coretta,

Attached is the fall syllabus, schedule, and example assignment for ISDS 3107.

After reading your course information, I would again point out that our course is done in Visual Studio .NET and there is a more advanced course that follows it. Our course emphasizes GUI development of applications in both Windows and Web. We include system development documentation for all assignments. We use Visual Logic software to help students understand flowcharting and programming. We briefly cover HTML and CSS in the Web chapter. We use LINQ when we connect to databases.

Carolyn Borne

Instructor, Information Systems & Decision Sciences

Louisiana State University, E. J. Ourso College of Business

225.578.2505

cborne1@lsu.edu

Attachment 1: fall2013schedulevb2010 (1).docx (37KB) | Delete | WebDisk
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Encoding: base64
Download

Attachment 2: fall2013schedulevb2010 (1).docx (37KB) | Delete | WebDisk
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Encoding: base64
Description: fall2013schedulevb2010 (1).docx
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Attachment 3: fall2013syllabusvb2010.docx (36KB) | Delete | WebDisk
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Attachment 4: TeamAssignSpr2012.docx (23KB) | Delete | WebDisk
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Encoding: base64
Description: TeamAssignSpr2012.docx
Download

Attachment 5: Assign6Function.doc (34KB) | Delete | Preview | WebDisk
Type: application/octet-stream
Encoding: base64
Description: Assign6Function.doc
Download

Delete all non-text attachment(s)

OpenWebMail version 2.53

Help?
Section 1 12:00 - 1:30 T TH

Instructor: Coretta Douglas, Office: 295 Coates

<table>
<thead>
<tr>
<th></th>
<th>MON</th>
<th>TUES</th>
<th>WED</th>
<th>THUR</th>
<th>FRI</th>
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<tbody>
<tr>
<td>AM</td>
<td>9:00 - 11:00</td>
<td>9:30 - 11:00</td>
<td>9:00 - 11:00</td>
<td>by appt</td>
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<tr>
<td>PM</td>
<td>1:30 - 4:00</td>
<td>2:00 - 4:00</td>
<td>1:30 - 4:00</td>
<td>2:00 - 4:00</td>
<td>by appt</td>
</tr>
</tbody>
</table>

Or by appointment
Email (preferred contact): douglas@csc.lsu.edu (email received must be identifiable by name or subject)
Phone (during office hours only) - DO NOT leave voice messages: 578 - 4359

Catalog Description:
CSC 1250 Introduction to Programming (3) Prereq.: credit or registration in MATH 1022 or 1023 or 1431 or 1550. Credit will not be given for this course and CSC 1253 or 1350. Fundamentals of problem solving, program design, algorithms, and programming using a high-level language

Expectations Regarding Time:
It is expected a student has 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 that lack of efficiency in speed of typing may significantly impact the time needed for completing the assignments.


Grading:

<table>
<thead>
<tr>
<th>Point System</th>
<th>Grading Scale</th>
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<tbody>
<tr>
<td>Test 1 100 pts</td>
<td>90 to 100% A</td>
</tr>
<tr>
<td>Test 2 100 pts</td>
<td>80 to 89% B</td>
</tr>
<tr>
<td>Final Exam 130 pts</td>
<td>70 to 79% C</td>
</tr>
<tr>
<td>Assignments (7 @ 20pts each) 140 pts</td>
<td>60 to 69% D</td>
</tr>
<tr>
<td>Class Participation 30 pts</td>
<td>&lt;= 59% F</td>
</tr>
<tr>
<td>500 total</td>
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</tbody>
</table>

Exams: (tentative)
Test 1 - IN CLASS, (September 28th, Thursday)
Test 2 - IN CLASS, (November 2nd, Thursday)
Final - TBA, (December 16th, Saturday, 3:00 - 5:00PM)

Class Policy: (Exceptional cases handled on an individual basis.)
- Student is responsible for checking email FREQUENTLY.
- ALL problems concerning grades MUST be resolved within 3 class days following the return of graded work.
- Assignments:
  - All work is by the individual student – except for group assignments 6 & 7.
  - Assignments are electronically submitted to our CS1250 C++ byte account into the assignment grader’s subdirectory. Assignments must compile using g++ on the byte machine.
  - Late assignments accepted with 5-point deduction penalty due next day NOON.
  - DO NOT use programming syntax or features not yet introduced in the class.
  - Correct results (output) are not the only criteria for good grades.
  - Severe points deducted for compile time errors or run-time errors, use of global variables, use of break or continue in a repetition.
  - Hardware problems are not acceptable excuses for late programs. LSU network is recommended.
  - Solutions may not be supplied.
- Class participation consists of pop tests, small class group projects, etc. 2-3 points each.

Good Advice:
Attend class; ask questions, read the text before class, read over notes after class.
Begin assignments immediately; write programs out by hand before typing into the computer.
Get the phone number of a classmate -
Student has the responsibility of getting assignments, missed notes, date changes, etc.

More Good Advice: To become a TigerTRAK Member go to the Career Services Web site at http://www.lsu.edu/career, to "Students," to "TigerTRAK." After completing a user profile, you will have access to jobs online which include internships, cooperative education, summer, volunteer, part time, and full time job opportunities. Job related experience will make you more competitive upon graduation.
# Tentative Lecture Schedule:

<table>
<thead>
<tr>
<th>Class Date</th>
<th>Lecture</th>
<th>Assignment Handout</th>
<th>Due</th>
<th>TEST</th>
</tr>
</thead>
</table>
| Aug. 29 WK 1 | Introduction to Computers  
Hardware and Software  
Types of Hardware & Software |                                                                                    |              |            |
| Sept 4      | **LABOR DAY**                                                          |                                                                                    |              |            |
| Sept 5 WK 2 | The Software Development Method  
What is an Algorithm?  
Chapter 2  
Variables, Input/Output (text 2.3), data types, arithmetic exp. (text 2.5) |                                                                                    | A1 (Tuesday) 20 pts  
Learning to compile, execute, and use the UNIX Operating System |            |
| Sept 12 WK 3 | Arithmetic Expressions  
Chapter 3  
Conditional expressions (3.2)  
Selection structures (single & nested)  
Omit switch |                                                                                    | A2 (Tuesday) 20 pts  
(Interactive, arith. exp., I/O, constants) | A1  
Tuesday |
| Sept 19 WK 4 | Chapter 4  
Counter-control Repetition (while)  
Accumulators  
Nested repetition (not on test) |                                                                                    | A3 (Tuesday) 20 pts  
(Interactive, selection statements, counter-control repetition, accumulators, finding average, formatting output) | A2  
Tuesday |
| Sept 26 WK 5 | Test Review                                                            |                                                                                    | A3  
Tuesday  
Test 1  
Sept 28th  
Thursday |            |
| Oct 3 WK 6  | Finding min & max  
Predefined math functions (text 2.6)  
Formatting output (text pp. 129-133)  
Chapter 4  
Sentinel-control repetition (text 4.1) |                                                                                    | A4 (Tuesday) 20 pts  
(formating output, nested repetition, sentinel-control, finding min & max, using a predefined math function) |            |
| Oct 5, 6    | **FALL HOLIDAY**                                                       |                                                                                    |              |            |
| Oct 10 WK 7 | Chapter 5 User-defined Functions  
Modular design  
Scope and duration  
Return values  
Input parameters  
Omit overloaded functions & recursion |                                                                                    |              |            |
| Oct 17 WK 8 | Chapter 5 continued  
Text file I/O 4.2  
Omit Chapter 6 |                                                                                    | A5 (Tuesday) 20 pts  
(modular design, formatted report format) | A4  
Tuesday |
| Oct 24 WK 9 | Chapter 7  
Single dimensional array  
Partially-filled array  
Pass by reference (text section 5.3)  
Handout code for Selection Sort (p. 324) |                                                                                    |              |            |
| Oct 31 Wk 10| Test Review                                                            |                                                                                    | A6 (Tuesday) 20 pts  
(Text file I/O, call by reference, single dimensional array, selection sort, ) | A5  
Tuesday  
Test 2  
Nov 2nd  
Thursday |            |
| Nov 7 WK 11 | Review single dimensional arrays  
Selection Sort, Frequency arrays |                                                                                    |              |            |
| Nov 14 WK 12| Parallel arrays  
Chapter 7  
Strings (text pp. 49, section 7.4)  
Binary Search |                                                                                    | A7(Tuesday) 20 pts  
(parallel arrays, strings) | A6  
Tuesday |
| Nov 21 WK 14| "for" construct for repetitions (text 4.3)  
More on arithmetic expressions:  
Pre increment and post increment  
Compound assignment  
Advanced - Runtime stacks |                                                                                    |              |            |
| Nov. 23, 24 | **THANKSGIVING HOLIDAY**                                               |                                                                                    |              |            |
| Nov 28 WK 15| Union data type  
Enumeration data types  
Predefined function rand  
More on C++  
Classes  
Encapsulation, Inheritance, Polymorphism |                                                                                    |              |            |
| Dec 5 WK 16 | Review for Final Exam  
Etc. |                                                                                    |              | A7  
Tuesday  
Final Exam  
3:00 - 5:00PM |            |
| Dec 16      | **FINAL EXAM**  
Saturday  
3:00 - 5:00 PM  
ROOM TO BE ANNOUNCED |                                                                                    |              | Final Exam  
3:00 - 5:00PM |            |
### Request for CHANGING an Existing Course

**Department** Division of Computer Science & Eng.  
**Course Rubric and #** CSC 1253  
**College** Engineering  
**Date** 9-19-2013

#### Present Course Description

**Title** Computer Science I with C++

**Semester Hours of Credit** 3

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

Repeat Credit Max (if repeatable) ______

Graduate Credit? Yes: ______ No: ______

Credit will not be given for this course and: CSC 1248 or 1250 or 1350 or ISDS 3107

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

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

Total Weekly Contact Hours: ____3____

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

**Course Description:**

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

1253 Computer Science I with C++ (3)

Prereq.: credit or registration in MATH 1550 or credit in MATH 1431. Credit will not be given for both this course and CSC 1248 or 1250 or 1350 or ISDS 3107. Fundamentals of algorithm development, program design and structured programming using an object-oriented language.

#### Proposed Course Description

**Title** Computer Science I with C++

**Short Title** Comp Sci with C++

**Semester Hours of Credit** 3

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

Repeat Credit Max (if repeatable) ______

Graduate Credit? Yes: ______ No: ______

Credit will not be given for this course and: CSC 1250 or 1350

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

<table>
<thead>
<tr>
<th>LEC</th>
<th>LAB</th>
<th>SEM</th>
<th>REC</th>
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</table>

Total Weekly Contact Hours: ____3____

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

**Course Description:**

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

1253 Computer Science I with C++ (3)

Prereq.: credit or registration in MATH 1550 or credit in MATH 1431. Credit will not be given for both this course and CSC 1250 or 1350. Fundamentals of algorithm development, program design and structured programming using an object-oriented language.

---

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

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

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

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

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

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

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

**APPROVALS:**

**Department Faculty Approval Date** 9-19-2013

Department Chair's Signature  
(Date)

Graduate Dean's Signature  
(Date)

College Contact:

(Please print name.)

College Contact E-mail: __________________________

**College Faculty Approval Date** 9-26-13  
**College Dean's Signature** ____________________________  
(Date)

Chair, FS C & C Committee  
(Date)

**Academic Affairs Approval** ____________________________  
(Date)
CHANGES:
- DROP CSC 1248 from the list of courses which prohibits a student from receiving credit in more than one.
- DROP CSC 3107 from the list of courses which prohibits a student from receiving credit in more than one.

PREREQUISITE:
CSC 1254: lists CSC 1253 a prerequisite
CSC 1200: requires credit or registration in CSC 1253 or 1350

REQUIRED IN OTHER CURRICULA:
CSC 1253 is required in the:
- Computer Science Minor
- Electrical Engineering curriculum
- Computer Engineering curriculum

JUSTIFICATION:
CSC 1248 is being omitted from the list for which both course credits cannot be received because CSC 1248 is now obsolete and proposed to be deleted from the catalog.

Based on the review of the topics of instruction and assignments in ISDS 3107 "Beginning Programming", the CSC_E faculty agreed that the programming content overlap is not as great as once perceived in our introductory courses CSC 1250, 1253 and 1350. Therefore CSC_E would like students to be able receive credit in ISDS 3107 and one of CSC 1250, 1253 or 1350.

Additional exposure to technologies in ISDS 3107 which are not offered in our curricula will be beneficial to CSC majors pursuing the Information Technology Management minor. CSC majors may use the ISDS 3107 credits toward the CSC degree requirements to meet the 6-hour total "tech-requirements" as listed in Group A or applied to approved free electives only in the Software Engineering and Distributed Systems & Networking concentrations.
Date: Fri, 20 Sep 2013 17:35:28 +0000
From: John D Scalzo <jscaiz1@lsu.edu>
To: Coretta Douglas <douglas@csc.lsu.edu>
Subject: RE: CSC_E: Request Response Curriculum change

ECE accepts these changes.

John

-----Original Message-----
From: Coretta Douglas [mailto:douglas@csc.lsu.edu]
Sent: Thursday, September 19, 2013 6:09 PM
To: John D Scalzo
Subject: CSC_E: Request Response Curriculum change

Hi John,

The Division of CSC_E will be submitting catalog course description changes shortly for CSC 1253 which is required in both the EE and ECE curricula.
Current catalog description is:
1253 Computer Science I with C++ (3)
Prereq.: credit or registration in MATH 1550 or credit in MATH 1431. Credit will not be given for both this course and CSC 1248 or 1250 or 1350 or ISDS 3107. Fundamentals of algorithm development, program design and structured programming using an object-oriented language.

Proposed catalog description is:
1253 Computer Science I with C++ (3)
Prereq.: credit or registration in MATH 1550 or credit in MATH 1431. Credit will not be given for both this course and CSC 1250 or 1350. Fundamentals of algorithm development, program design and structured programming using an object-oriented language.

CSC 1248 and ISDS 3107 are being dropped from the list of courses in which students may only receive credit in 1. CSC 1248 is being dropped from the catalog. After reevaluation of the course content of ISDS 3107, CSC_E has decided that the overlap in our introductory courses is not as great as perceived at the creation of the course. Additional exposure to technologies in ISDS 3107 which are not offered in our curricula will be beneficial to CSC majors pursuing the Information Technology Management minor. CSC majors may use the ISDS 3107 credits toward the CSC degree requirements to meet the 6-hour total "tech-requirements" as listed in Group A or applied to approved free electives only in the Software Engineering and Distributed Systems & Networking concentrations.

Also note that we are removing the requirement that students receive credit in CSC 1240 and 1 from the list of CSC 1250 and 1350. There are some students perhaps with both CSC 1240 and CSC 1350 credits who will switch to EE or ECE.
CSC 1240 may contain overlap in your EE and/or ECE curricula as regards programming concepts, MATLAB, and statistics. We are coding the prereqs in the introductory courses CSC 1350 particularly such that the TOPS scholarships of Freshman students are not compromised if CSC 1240 and 1350 are taken within the same academic year. CSC majors lose the credit in CSC 1240 when CSC 2262 is taken as a later required course in the CSC curriculum which rectifies the problem of duplication of content in the curriculum. Perhaps you would consider doing the same in your degrees.

I am available to discuss more in person.

Written response is requested for the C&C packet.
Regards,
Coretta
Coretta Douglas, Ph.D. Computer Science
Date: Fri, 20 Sep 2013 02:59:11 +0000
From: Laurene L Hutchinson <lhutchi@lsu.edu>
To: Coretta Douglas <douglas@csc.lsu.edu>
CC: Carolyn B Borne <cborne1@lsu.edu>, Ashley R Junek <cjuneke@lsu.edu>, Helmut Sc .....
Subject: Re: CSC_E: Request Acknowledgement Drop Mention of ISDS 3107

I understand the changes proposed to CSC 1250, 1253 and 1350 and ISDS has no objections.

Thank you so much for your help in this matter. I think it will benefit both CSC and ISDS majors.

Laurene

Sent from my iPhone

On Sep 19, 2013, at 2:48 PM, "Coretta Douglas" <douglas@csc.lsu.edu> wrote:

Hi Laurene,

Based on the review of the topics of instruction and assignments in ISDS 3107 "Beginning Programming", the CSC_E faculty have agreed that the content overlap is not as great as once perceived in our introductory programming courses CSC 1250, 1253 and 1350.

In fact the additional exposure to technologies not offered in our curricula will be beneficial to CSC majors pursuing the Information Technology Management minor. CSC_E would like students to be able receive credit in ISDS 3107 and one of CSC 1250, 1253 or 1350.

CSC majors may use the ISDS 3107 credits toward the CSC curriculum requirements to meet the 6 hour total "tech-requirements" or applied to approved free electives only in the Software Engineering and Distributed Systems & Networking concentrations.

Please send a brief statement that you understand the changes proposed to CSC 1250, 1253, and 1350 and have no objections.

Sincerely,
Coretta Douglas
Undergraduate Coordinator
Division of CSC_E
College of Engineering
PFT #3118
Dear Coretta,

Attached is the fall syllabus, schedule, and example assignment for ISDS 3107.

After reading your course information, I would again point out that our course is done in Visual Studio .NET and there is a more advanced course that follows it. Our course emphasizes GUI development of applications in both Windows and Web. We include system development documentation for all assignments. We use Visual Logic software to help students understand flowcharting and programming. We briefly cover HTML and CSS in the Web chapter. We use LINQ when we connect to databases.

Carolyn Borne
Instructor, Information Systems & Decision Sciences
Louisiana State University, E. J. Ourso College of Business
225.578.2505

cborne1@lsu.edu

Attachment 2: fall2013schedulevb2010 (1).docx (37KB)  Delete WebDisk 0:1 a
Type: application/octet-stream
Encoding: base64
Description: fall2013schedulevb2010 (1).docx

Attachment 3: fall2013syllabusvb2010.docx (36KB)  Delete WebDisk 0:2 a
Type: application/octet-stream
Encoding: base64
Description: fall2013syllabusvb2010.docx

Attachment 4: TeamAssignSpr2012.docx (23KB)  Delete WebDisk 0:3 a
Type: application/octet-stream
Encoding: base64
Description: TeamAssignSpr2012.docx

Attachment 5: Assign6function.doc (34KB)  Delete Preview WebDisk 0:4 a
Type: application/octet-stream
Encoding: base64
Description: Assign6function.doc
CSc 1253 Computer Science I with C++

Communication-Intensive: This course is certified as a "Communication-Intensive Course" and meets all of the requirements explained on the CxC Web site: http://cxc.lsu.edu, including the following: Emphases on formal and informal assignments in written and technological communication, class time spent on communication, 40% of the final grade based on communication projects, revisions after faculty feedback on 2 formal projects (our two projects incorporate both written and technological emphases), and a student/faculty ratio of 35:1. Because it meets these requirements, students may count it toward "Distinguished Communicator" certification on LSU transcripts.

Instructor: Dr. Coretta Douglas, Office: 295 Coates
MON WED FRI
AM 10:00 - 11:30 Advising By Appointment
PM 1:30 - 4:00 Advising 9y Appointment

Email (preferred contact): douglas@csc.lsu.edu (email received must be identifiable by name or subject)
Phone (during office hours only) - DO NOT leave voice messages: 578 - 4359

Catalog Description:
CSC 1253 Computer Science I with C++ (3) Prereq.: credit or registration in MATH 1550 or credit in MATH 1431. Credit will not be given for both this course and CSC 1250 or 1350. Fundamentals of algorithm development, program design and structured programming using an object-oriented language.

Expectations Regarding Time:
It is expected a student has 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 that lack of efficiency in speed of typing may significantly increase the time needed for completing the assignments.

Reference:

Grading:

<table>
<thead>
<tr>
<th>Point System</th>
<th>Grading Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test 1</td>
<td>100 pts</td>
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<tr>
<td>Test 2</td>
<td>100 pts</td>
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<tr>
<td>Final Exam</td>
<td>100 pts</td>
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<tr>
<td>Assignments</td>
<td>(6+ 2 revisions) 150 pts</td>
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<tr>
<td>Class Participation</td>
<td>50 (10%)</td>
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<td>Total</td>
<td>500 total</td>
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<tr>
<td>90 to 100%</td>
<td>A</td>
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<td>80 to 89%</td>
<td>B</td>
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<td>70 to 79%</td>
<td>C</td>
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<tr>
<td>60 to 69%</td>
<td>D</td>
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<tr>
<td>&lt; 59%</td>
<td>F</td>
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</tbody>
</table>

Exams:
Test 1 - IN CLASSROOM, (February 25, THURSDAY) tentative
Test 2 - IN CLASSROOM, (March 25, THURSDAY) tentative
Final - IN CLASSROOM, (May 13, THURSDAY)

Class Policy: (Exceptional cases handled on an individual basis)
- Student is responsible for checking email FREQUENTLY.
- NO access to calculators, phones, ipods, etc. during the tests/exams.
- ALL problems concerning grades MUST be resolved within 3 class days following the return of graded work.
- Programming Assignments:
  - Assignments are electronically submitted to our C1253.dou "classes" account
  - into the assignment grade's subdirectory. Assignments must compile using g++ on the classes machine.
  - NO teamwork. All work is by the individual student.
  - Late assignments accepted on with 5-point deduction penalty on some assignments.
  - Correct results (output) are not the only criteria for good grades.
  - Assignments must meet the assignment objectives, programming and documentation standards and professional communication standards.
  - DO NOT use programming syntax or features not yet introduced in the class.
  - Severe points deducted for compile time errors or run-time errors, use of global variables, use of break or continue in a repetition.
  - Hardware problems are not acceptable excuses for late programs. LSU network is recommended.
  - Solutions are not supplied.
  - Assignments 5 and 6 total 45 points each with 20 points for the first iteration and 25 points for the final submission.
- Class participation consists of open notes pop tests, small class group projects, etc. 2-3 points each.

Good Advice:
- Attend class; ask questions, read the text before class, read over notes after class.
- Begin assignments immediately; write programs out by hand before typing into the computer.
- Get the phone number of a classmate - Student has the responsibility of getting assignments, missed notes, date changes, etc.

More Good Advice: Get an internship in your field of study!
<table>
<thead>
<tr>
<th>Class Date</th>
<th>Lecture</th>
<th>Due</th>
<th>Assignment Handout</th>
<th>TEST</th>
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</thead>
<tbody>
<tr>
<td>Jan 18</td>
<td><strong>HOLIDAY – Martin Luther King, Jr.</strong></td>
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<tr>
<td>Jan 19 WK 1</td>
<td><strong>Introduction to Computers</strong></td>
<td></td>
<td><strong>A1</strong> (Thursday) 10 pts (Using UNIX, pico editor, interactive, implement seq., arithmetic expressions, I/O)</td>
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<td></td>
<td>Hardware and Software</td>
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<td>Types of Hardware &amp; Software</td>
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<td></td>
<td>Chapter 1</td>
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<td></td>
<td>Begin Syntax: variable declarations, arithmetic expressions,</td>
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<td>Jan 26 WK 2</td>
<td><strong>Continue Chapter 1</strong></td>
<td><strong>A1</strong> Jan 28,</td>
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<td></td>
<td>Chapter 2</td>
<td>Thursday</td>
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<tr>
<td></td>
<td>Selection structure</td>
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<td></td>
<td>Repetition structures</td>
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<td></td>
<td>Counter-control (while &amp; do-while)</td>
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<tr>
<td>Feb 2 WK 3</td>
<td><strong>Chapter 2</strong></td>
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<td></td>
<td>Review counter control</td>
<td><strong>A2</strong> (Tuesday) 15 pts (Use of good documentation, interactive, counter-controlled repetition, selection statements, accumulators, using variable constant, editing output to 3 decimal positions)</td>
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<tr>
<td></td>
<td>Sentinel control</td>
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<td></td>
<td>Finding largest and smallest</td>
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<td></td>
<td>Nested repetition</td>
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<td></td>
<td>The Software Development Method</td>
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<td></td>
<td>What is an Algorithm? Seq &amp; Sel.</td>
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<td>C++ History (optional)</td>
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<tr>
<td>Feb 9 WK 4</td>
<td><strong>Using an accumulator to find average</strong></td>
<td><strong>A2</strong> Feb 9,</td>
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<tr>
<td></td>
<td>Library functions</td>
<td>Tuesday</td>
<td>(Interactive, nested rep., sentinel control, formatting output using setw)</td>
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<td></td>
<td>Final Prep for A3</td>
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<td></td>
<td>Compound condition</td>
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<td>Chapter 3 Function Basics</td>
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<td></td>
<td>Predefined functions, Scope and duration</td>
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<td>Modular design (Structure Charts), Actual parameters and formal</td>
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<td>parameters, (skip recursion)</td>
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<td>Feb 15-17</td>
<td><strong>HOLIDAY - Mardi Gras</strong></td>
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<td>(noon)</td>
<td><strong>HOLIDAY - Mardi Gras</strong></td>
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<tr>
<td>Feb 18 WK 5</td>
<td><strong>Review for Test 1</strong></td>
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<tr>
<td>Feb 23 WK 6</td>
<td><strong>Modular Design continued</strong></td>
<td><strong>A3</strong> Feb 23,</td>
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<td></td>
<td><strong>Chapter 12 Text Files</strong></td>
<td>Tuesday</td>
<td>(Files using ifstream and ofstream, modular program design, functional reuse, report formatted output, nested double selection)</td>
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<td></td>
<td>Formatting input/output, ifstream and ofstream objects</td>
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<td>Mar 2 WK 7</td>
<td><strong>Switch for double selection</strong></td>
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<td><strong>Chapter 5 Arrays</strong></td>
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<tr>
<td>Mar 9 WK 8</td>
<td><strong>Chapter 4 more pass by reference</strong></td>
<td><strong>A4</strong> Tuesday</td>
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<td></td>
<td><strong>Chapter 5 contd</strong></td>
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<td></td>
<td><strong>Binary Search</strong></td>
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<td>Frequency arrays</td>
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<td></td>
<td><strong>Use of &quot;for&quot; construct for repetition pp.76-80</strong></td>
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<tr>
<td>Mar 16 WK 9</td>
<td><strong>Selection sort</strong></td>
<td><strong>A5</strong> Tuesday</td>
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<td></td>
<td><strong>Enumerated types pp. 66-67</strong></td>
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<tr>
<td>Mar 23 WK 10</td>
<td><strong>Review</strong></td>
<td><strong>A5</strong> Tuesday</td>
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<td>Mar 30 WK 11</td>
<td><strong>Chapter 9 Strings</strong></td>
<td><strong>A5 Rev</strong> Friday</td>
<td></td>
<td><strong>A5 (Tues)- Graded and returned</strong></td>
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<tr>
<td>Apr 2-9</td>
<td><strong>HOLIDAY – Spring Break</strong></td>
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<tr>
<td>Apr 13 WK 12</td>
<td><strong>Linear search (unordered &amp; ordered)</strong></td>
<td><strong>A6</strong> (Tuesday) 20 pts (arrays of structures, classes, strings, menu driven program, linear search, enumeration constants)</td>
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<td></td>
<td><strong>Selection sort</strong></td>
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<td>(arrays of structures, classes, strings, menu driven program, linear search, enumeration constants)</td>
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<td><strong>Array of indexes</strong></td>
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<td><strong>Chapter 6 Structures /Classes</strong></td>
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<td>Apr 20 WK 13</td>
<td><strong>Chapter 6 Structures /Classes contd</strong></td>
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<td><strong>Unions</strong></td>
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<td>Apr 27 WK 14</td>
<td><strong>Call by address</strong></td>
<td><strong>A6</strong> Tuesday</td>
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<td>Runtime stacks</td>
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<td>pointers to pointers</td>
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<td>May 4 WK 15</td>
<td><strong>More on C++</strong></td>
<td><strong>A6 Rev.</strong> May 7 Friday</td>
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<td><strong>A6 (Tues)- Graded and returned</strong></td>
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<td><strong>Classes</strong></td>
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<td>Encapsulation, Inheritance</td>
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<td></td>
<td>Polymorphism</td>
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<td>Constructors, overloading</td>
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<tr>
<td>EXAM</td>
<td><strong>IN CLASSROOM, (May 13, THURSDAY) 12:30 – 2:30 PM</strong></td>
<td><strong>May 13</strong> 12:30 – 2:30</td>
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</tbody>
</table>
Request for CHANGING an Existing Course

Present Course Description

Title: Computer Science I for Majors

Semester Hours of Credit: 4

If combination course type, # hrs. of credit for lecture: 3, lab/sem: 1, rec: __

Repeat Credit Max (if repeatable): ___

Graduate Credit? Yes: ___ No: X ___

Credit will not be given for this course and: CSC 1248, 1250, 1253 or ISDS-3407

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

LEC 3, LAB 3, SEM __, REC __, RES/IND __, CLIN/PRAC __

Total Weekly Contact Hours: 6

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

Proposed Course Description

Title: Computer Science I for Majors

Short Title: COMP SCI I MAJORS

Semester Hours of Credit: 4

If combination course type, # hrs. of credit for lecture: 3, lab/sem: 1, rec: __

Repeat Credit Max (if repeatable): ___

Graduate Credit? Yes: ___ No: X ___

Credit will not be given for this course and: CSC 1250, 1253

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

LEC 3, LAB 3, SEM __, REC __, RES/IND __, CLIN/PRAC __

Total Weekly Contact Hours: 6

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

Course Description:

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

1350 Computer Science I for Majors (4) Prereq: credit or registration in MATH 1550. Credit will not be given for both this course and CSC 1240 or 1250 or 1253 or ISDS-3107. Fundamentals of algorithm development, program design and structured programming using an object-oriented language.

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

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

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

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

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

JUSTIFICATION/EXPLANATION: Use separate sheet.

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

APPROVALS:

Department Faculty Approval Date: 9/19/2013

Department Chair’s Signature: [Signature] Date: 9-24-2013

Graduate Dean’s Signature: [Signature] Date: ___

College Faculty Approval Date: ___

College Dean’s Signature: [Signature] Date: ___

Chair, FS C & C Committee: [Signature] Date: 10/15/12

Academic Affairs Approval: ___

(Please print name.)
CHANGES:
- DROP CSC 1240 from the list of courses which prohibits a student from receiving credit in more than one.
- DROP ISDS 3107 from the list of courses which prohibits a student from receiving credit in more than one.

REQUIRED in Other CURRICULA or MINORS:
Computer Science (Bachelor of Science) all concentrations:
  - Computer Science and the Second Discipline
  - Software Engineering
  - Distributed Systems & Networking

PREREQUISITE LIST:
  - CSC 1200 Ethics in Computing (credit or registration)
  - CSC 1351 Computer Science I for Majors
  - CSC 4243 Interface Design and Technology
  - ISDS 4120 Business Data Communications

JUSTIFICATION:
CSC 1240 Statistics and Graphics with MATLAB is a beneficial course for incoming freshman Computer Science majors who have never been exposed to a high-level programming language like C++ or Java. CSC 1240 offers students the opportunity to learn the rudiments of programming using a graphical language in a lecture/lab format to facilitate learning.

There is overlap related to programming concepts in both CSC 1240 and 1350. The courses differ in that CSC 1240 uses MATLAB and emphasizes analytical reasoning skills via statistics, CSC 1350 does not.

For computer science majors, CSC 2262 "Numerical Methods" with MATLAB and IE 3302 "Statistics" are both required and planned in later semesters. Duplication of content in CSC 1240 and all of CSC 1350, CSC 2262 and IE 3302 is therefore significant. CSC majors are informed verbally during advising and orientations that the credits earned in CSC 1240 are not applicable to the degree. The LSU General Catalog course description for CSC 1240 is explicit in stating CSC majors may not receive credit for CSC 1240.

But an unusual problem is occurring for computer science majors. If a freshman CSC major has credit in CSC 1240 from the fall semester and then enrolls in CSC 1350 in the following spring semester, the credit in CSC 1240 is immediately lost. Consequently, CSC 1240 is not counted in the minimum enrollment hours required for retaining the TOPS scholarship for the academic year. The student is in the precarious position of losing his/her scholarship.

To correct this peculiar problem for freshman CSC majors, CSC_E proposes to drop the restriction on credit in only one of CSC 1240 and 1350.
  - Duplication of content in the CSC curriculum is prohibited because the catalog description for CSC 2262 explicitly states that credit may be given for both CSC 1240 and 2262. Upon registration in CSC 2262, credit in CSC 1240 will be withdrawn from a student’s degree audit without the consequences of compromising scholarships in the freshman year.
  - If a CSC major changes his/her major, the student may be able to apply both CSC 1240 and 1350 to a different degree plan likely as free approved electives.

Based on the review of the topics of instruction and assignments in ISDS 3107 "Beginning Programming", the CSC_E faculty has agreed that the programming content overlap is not as great as once perceived in our introductory courses CSC 1250, 1253 and 1350. Therefore CSC_E would like students to be able receive credit in ISDS 3107 and one of CSC 1250, 1253 or 1350.

Additional exposure to technologies in ISDS 3107 which are not offered in our curricula will be beneficial to CSC majors pursuing the Information Technology Management minor. CSC majors may use the ISDS 3107 credits toward the CSC degree requirements to meet the 6-hour total "tech-requirements" as listed in Group A or applied to approved free electives only in the Software Engineering and Distributed Systems & Networking concentrations.
Date: Fri, 20 Sep 2013 02:59:11 +0000
From: Laurene L Hutchinson <lhutchi@lsu.edu>
To: Coretta Douglas <douglas@csc.lsu.edu>
CC: Carolyn B Borne <cborne1@lsu.edu>, Ashley R Junek <cjuneck@lsu.edu>, Helmut Sc ..... 
Subject: Re: CSC_E: Request Acknowledgement Drop Mention of ISDS 3107

I understand the changes proposed to CSC 1250, 1253 and 1350 and ISDS has no objections.

Thank you so much for your help in this matter. I think it will benefit both CSC and ISDS majors.

Laurene

Sent from my iPhone

On Sep 19, 2013, at 2:48 PM, "Coretta Douglas" <douglas@csc.lsu.edu> wrote:

Hi Laurene,

Based on the review of the topics of instruction and assignments in ISDS 3107 "Beginning Programming", the CSC_E faculty have agreed that the content overlap is not as great as once perceived in our introductory programming courses CSC 1250, 1253 and 1350.

In fact the additional exposure to technologies not offered in our curricula will be beneficial to CSC majors pursuing the Information Technology Management minor. CSC_E would like students to be able receive credit in ISDS 3107 and one of CSC 1250, 1253 or 1350.

CSC majors may use the ISDS 3107 credits toward the CSC curriculum requirements to meet the 6 hour total "tech-requirements" or applied to approved free electives only in the Software Engineering and Distributed Systems & Networking concentrations.

Please send a brief statement that you understand the changes proposed to CSC 1250, 1253, and 1350 and have no objections.

Sincerely,

Coretta Douglas
Undergraduate Coordinator
Division of CSC_E
College of Engineering
PFT #3118
Dear Coretta,

Attached is the fall syllabus, schedule, and example assignment for ISDS 3107.

After reading your course information, I would again point out that our course is done in Visual Studio .NET and there is a more advanced course that follows it. Our course emphasizes GUI development of applications in both Windows and Web. We include system development documentation for all assignments. We use Visual Logic software to help students understand flowcharting and programming. We briefly cover HTML and CSS in the Web chapter. We use LINQ when we connect to databases.

Carolyn Borne
Instructor, Information Systems & Decision Sciences
Louisiana State University, E. J. Ourso College of Business
225.578.2505
chbmc1@lsu.edu
Section 1: LECTURE: MWF 09:30 - 10:20 AM  
LAB: Friday 12:30 – 3:30 PM  
Section 2: LECTURE: MWF 10:30 - 11:20 AM  
LAB: Friday 3:30 – 6:30 PM

class webpage: http://www.csc.lsu.edu/~duncan/courses/csc1350-f12

Instructor: William E. Duncan  
Office: 3121 Patrick Taylor Hall  
Email: duncan@csc.lsu.edu  
Address: duncan@csc.lsu.edu  
Office Hours: http://www.csc.lsu.edu/~duncan/sched.htm

Course Description:
CSC 1350 Computer Science I for Majors (4) Prereq.: credit or registration in MATH 1550.  
Credit will not be given for both this course and CSC 1250 or 1253. Fundamentals of  
algorithm development, program design and structured programming using an object- 
oriented language.

Expectations Regarding Time:
It is expected that a student has 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. Note that lack of efficiency in speed of typing may significantly increase the  
time needed for completing the assignments.

Textbooks:

Required: Cay Horstmann, Java Concepts 6/e Compatible with Java 5,6,7  
(ISBN: 9780470509470)

Recommended: J. Glen Brooks, Computer Science: An Overview 8/e  
(ISBN: 0321247264)
Goal:

To build problem-solving skills from an algorithmic viewpoint using the Java programming language. By the end of this course the student will:

- understand the origins and early development of computer science as an academic discipline as well as the basic issues underpinning the discipline,

- employ programming principles in problem-solving,

- design and analyze basic search and recursive sort algorithms, and

- explore the fundamentals of the object-oriented programming (OOP) paradigm.

Evaluation:

Grading will be based on five-minute unannounced short quizzes, three exams and programming projects.

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Exam 1</td>
<td>20%</td>
</tr>
<tr>
<td>Exam 2</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
</tr>
<tr>
<td>Programming Projects</td>
<td>25%</td>
</tr>
</tbody>
</table>

Final grade will be determined by overall average as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90 - 100</td>
</tr>
<tr>
<td>B</td>
<td>80 - 89.99</td>
</tr>
<tr>
<td>C</td>
<td>70 - 79.99</td>
</tr>
<tr>
<td>D</td>
<td>50 - 69.99</td>
</tr>
<tr>
<td>F</td>
<td>0 - 49.99</td>
</tr>
</tbody>
</table>
Class Policies:

- **Attendance**: Attendance will only be taken on exam days. Unannounced Short quizzes will be given during the semester. Each quiz will be based on the previous lecture or homework. There will be no make-up for missed quizzes. Students are responsible for all information presented in class (written and oral). It is your responsibility to obtain the notes and assignments from a willing classmate if you MUST miss class.

- **Collaborative Work**: Any work submitted for grading must represent your own work (and yours alone). High standards of academic integrity are crucial for the University to fulfill its educational mission. To uphold these standards, procedures have been established to address academic misconduct.[from LSU Code of Student Conduct]. It is assumed that all students enrolled in this course have read the Code of Student Conduct - specifically section 5.1 (Academic Misconduct) and section 8.5 (Academic Misconduct by Undergraduate Students) or section 8.6 (Academic Misconduct by Graduate Students). The Code of conduct is available at:

  http://appl003.lsu.edu/slas/dos.nsf/$Content/Code+of+Conduct

- **Due Dates**: All work intended for grading must be submitted on time on the due date. Any late submission counts for no credit.

- **Missed Exam**: Students are encouraged to take every exam. In the unusual circumstances you must miss an exam due to medical reasons or other unforeseen emergencies, obtain an official excuse from the Dean’s office as soon as possible. If you obtain a valid excuse from the Dean’s office, the instructor reserves the right to schedule a make-up exam or allow your final exam to count for a higher percentage of your course grade.
• Special Accommodation: Students who have a disability that require accommodation(s) should make an appointment with the Office of Disability Services (Phone: (225)578-5919 or TDD: (225)578-2600) to discuss their specific needs and present a letter from the ODS informing the instructor of their needs. All such matters, by University regulations, are strictly confidential.

• Cellular phone: For the duration of each class meeting all cell phones must be turned off. They have proven to be disruptive to an effective learning environment. Do not make or receive phone calls in class.

• Grading Corrections: While both the GA and I will try our hardest to avoid mistakes when grading your work, we cannot rule out the possibility that an error may inadvertently occur. If you believe a mistake in grading was made, inform the instructor within five school days of receiving the grade. You will not be penalized even if no mistake occurred.

• Exam Dates:
  ○ Exam 1 - Wednesday, September 19
  ○ Exam 2 - Friday, October 26
  ○ Final Exam - Friday, December 7

• Important Dates:
  ○ August 28 - Final day to drop without a W
  ○ August 29 - Final day for adding courses and making section changes
  ○ November 2 - Final day for resigning from the University and/or dropping courses
  ○ December 3-8 - Final examinations
- **Topics we will study:** (not necessarily in this order)
  1. Introduction
  2. Using Objects
  3. Implementing Classes
  4. Fundamental Data Types
  5. Decisions
  6. Iteration
  7. Array Lists and Arrays
  8. Files and Streams
  9. Sorting and Searching

### Problem Sets

<table>
<thead>
<tr>
<th>Topic</th>
<th>Reading</th>
<th>Exercises</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>§1.1-1.6</td>
<td>SC:4-7, 12-16; R:1.7; P:1.1-1.6</td>
</tr>
<tr>
<td>Using Objects</td>
<td>§2.1-2.8</td>
<td>SC:1-22; R:2.1,2.3-2.8</td>
</tr>
<tr>
<td>Implementing Classes</td>
<td>§3.1-3.8</td>
<td>SC:3-18, 20-22</td>
</tr>
<tr>
<td>Fundamental Data Types</td>
<td>§4.1-4.6</td>
<td>SC:1-17; R:4.1-4.6 (even nos.)</td>
</tr>
<tr>
<td>Decisions</td>
<td>§5.1-5.4</td>
<td>SC:1-8; R:5.1-5.9 (odd nos.)</td>
</tr>
<tr>
<td>Iteration</td>
<td>§6.1-6.4</td>
<td>SC:1-10; R:6.1-6.5</td>
</tr>
<tr>
<td>Arrays &amp; Array Lists</td>
<td>§7.1-7.6, 7.8</td>
<td>SC:1-6, 9-12, 14, 19-20; R:7.6-7.11</td>
</tr>
<tr>
<td>Designing Classes</td>
<td>§8.1-8.5</td>
<td>SC:6-8, 12-13, 16-17; R:8.20</td>
</tr>
<tr>
<td>Files and Streams</td>
<td>§11.1-11.2</td>
<td>SC:1-4</td>
</tr>
<tr>
<td>Sorting and Searching</td>
<td>§14.1-14.3, 14.6-14.8</td>
<td>SC:1-4;11-17</td>
</tr>
</tbody>
</table>
# Lecture Topic Schedule (Weekly)

<table>
<thead>
<tr>
<th>Week</th>
<th>Topics</th>
<th>Objective</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Admin matters &amp; Class policies</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Computer Literacy</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Java Language and Using Netbeans</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Introduction – Using Objects; Debugging and Developing Algorithms</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Data Types; Variables; Assignment operator</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Using Objects; Fundamental Data Types</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>More Data Types</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Implementing Classes</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Implementing Classes</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Implementing Classes; Decision Statements</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Decision Statements; Iteration</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Decision Statements; Iteration - Sentinel Controlled</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Iteration – Nested Iteration with Accumulators</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Arrays and Array Lists</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Arrays and Array Lists – Selection Sort</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Insertion Sort - Searching</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Sorting Real-world Data; File I/O</td>
<td></td>
</tr>
</tbody>
</table>
**Laboratory Project Outline**

Requirements for the CSC 1350 lab portion include lab project assignments and/or quizzes. Grading from the lab works will contribute to the overall grading based on the "Programming Projects" percentage of the grading evaluation.

<table>
<thead>
<tr>
<th>CSC 1350 Programming Projects</th>
<th>Objectives</th>
</tr>
</thead>
</table>
| Week 1                        | Using Netbeans  
                             | Create directories  
                             | Navigating hierarchical directories  
                             | Using a text editor to create a source file  
                             | Using a compiler  
                             | Executing a java program |
| Week 2                        | Request input from the user  
                             | Perform an arithmetic computation  
                             | Output the result |
| Week 3                        | Associativity and precedence |
| Week 4                        | Beginning classes |
| Week 5                        | Classes Continued |
| Week 6                        | Program with multiple classes |
| Week 7                        | Decision Statements |
| Week 8                        | Iteration - counter controlled with accumulator |
| Week 9                        | Iteration - sentinel controlled |
| Week 10                       | Nested Iteration |
| Week 11                       | Arrays - Partially filled |
| Week 12                       | Arrays - Selection sort |
| Week 13                       | Arrays - Insertion sort and searching |
| Week 14                       | File I/O and report style output with formatting |
Request for CHANGING an Existing Course

Department: ChE
Course Rubric and #: ChE 3172
College: ENGINEERING
Date: 8/13/2013

Present Course Description
Title: Chemical Engineering Thermodynamics

Semester Hours of Credit: 3

If combination course type, # hrs. of credit for lecture: _/rec: _
Repeat Credit Max (if repeatable): __________
Graduate Credit?: Yes: ___ No: X
Credit will not be given for this course and: __________
Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC 3 LAB ___ SEM ___ REC ___ RES/ IND ___ CLIN/ PRACT ___
Total Weekly Contact Hours: __3____
Grading System: Letter Grade: X Pass/Fail ___

Course Description:
Include course number, title, etc., exactly as it appears in the General Catalog
3172 Chemical Engineering Thermodynamics (3) Prereq: CHE 2171. Basic concepts and chemical engineering applications of thermodynamics; emphasis on flow processes and real gas thermodynamics.

Proposed Course Description
Title: CHEMICAL ENGINEERING THERMODYNAMICS
Short Title: C E T H E R M O D Y N A M I C S
Semester Hours of Credit: 3

If combination course type, # hrs. of credit for lecture: _/rec: _
Repeat Credit Max (if repeatable): __________
Graduate Credit?: Yes: ___ No: X
Credit will not be given for this course and: __________
Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC 3 LAB ___ SEM ___ REC ___ RES/ IND ___ CLIN/ PRACT ___
Total Weekly Contact Hours: __3____
Grading System: Letter Grade: X Pass/Fail ___

Course Description:
Include course number, title, etc., exactly as it appears in the General Catalog
3172 Chemical Engineering Thermodynamics (3) Prereq: CHE 2171 and a grade of "C" or better in BIOL 1201, CHEM 1201, CHEM 1202, MATH 1550, MATH 1552, MATH 2060 and in PHYS 2101 and PHYS 2102 or PHYS 2110 and PHYS 2113. Basic concepts and chemical engineering applications of thermodynamics; emphasis on flow processes and real gas thermodynamics.

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

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

JUSTIFICATION/EXPLANATION: Use separate sheet.

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

APPROVALS:
Department Faculty Approval Date: 5/17/2013
Department Chair's Signature: 9-16-13
Graduate Dean's Signature: (Date)
College Contact:
(Please print name.)
College Contact E-mail:

College Faculty Approval Date: 9/26/13
College Dean's Signature: (Date)
Chair, FS C & C Committee: (Date)
Academic Affairs Approval: (Date)
All of the other CHE courses have at least one of these CHE as prereqs, so that will stop them.

On 10/8/2013 11:08 AM, Anna M Castrillo wrote:

Lisa,

I noticed that the statement for the CHE curriculum says that those basic sciences prep courses are required before students enroll in other CHE courses other than CHE 2162 and 2171. So this would be the prerequisites for all the CHE courses, not just the three proposals that were sent in? Why are these three so special to have them listed within the course description?

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

From: Lisa Fontenot [mailto:lisa@eng.lsu.edu]
Sent: Friday, October 04, 2013 3:35 PM
To: Anna M Castrillo
Subject: Re: CHE proposals

These prereqs have been in the catalog above the curriculum and for 2013-2014 they are list under Critical Requirements. Do you still need more?

On 10/4/2013 3:25 PM, Anna M Castrillo wrote:

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Sincerely,
Request for CHANGING an Existing Course

Department: ChE  
Course Rubric and #: ChE 2176  
College: ENGINEERING

Date: 8/13/2013

Present Course Description

Title: Mathematical Modeling of Chemical Engineering Systems

Semester Hours of Credit: 3

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

Repeat Credit Max (if repeatable) X

Graduate Credit? Yes:   No: X

Credit will not be given for this course and:

Contact Hours Per Week: (Indicate hours in appropriate course type.)
LEC 3     LAB  SEM  REC  RES/IND  CLIN/PRACT

Total Weekly Contact Hours: 3

Grading System: Letter Grade X Pass/Fail

Course Description:

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


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

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

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

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

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

JUSTIFICATION/EXPLANATION: Use separate sheet.

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

APPROVALS:

Department Faculty Approval Date 5/17/2013

Mary Smith 9-18-13

Department Chair’s Signature  
(Date)

Graduate Dean’s Signature  
(Date)

College Contact:  
(Please print name.)

College Contact E-mail:  

College Faculty Approval Date 9/26/13

Lisa Lee 9/26/13

College Dean’s Signature  
(Date)

Chair, FS C & C Committee 10/5/13

T. James Rees 10/9/13

Academic Affairs Approval  
(Date)
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Sincerely,
Request for CHANGING an Existing Course

Department: ChE
Course Rubric and #: ChE 3101
College: ENGINEERING
Date: 8/13/2013

Present Course Description

Title: Transport Sciences: Momentum Transfer

Semester Hours of Credit: 3

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

Repeat Credit Max (if repeatable):

Graduate Credit? Yes: No:

Credit will not be given for this course and:

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

LEC LAB SEM REC RES/ IND CLIN/ PRAC

Total Weekly Contact Hours: 3

Grading System: Letter Grade Pass/Fail

Proposed Course Description

Title: MOMENTUM TRANSFER

Semester Hours of Credit:

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

Repeat Credit Max (if repeatable):

Graduate Credit? Yes: No:

Credit will not be given for this course and:

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

LEC LAB SEM REC RES/ IND CLIN/ PRAC

Total Weekly Contact Hours: 3

Grading System: Letter Grade Pass/Fail

Course Description:

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

Credit 101 Transport Sciences: Momentum Transfer (3) Prereq. CHEM 271 and MATH 2900. Fundamentals of momentum transfer, applications to the fluid problems of engineering.

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

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

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

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

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

JUSTIFICATION/EXPLANATION: Use separate sheet.

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APPROVALS:

Department Faculty Approval Date 5/17/2013

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Graduate Dean's Signature (Date)

College Faculty Approval Date 9/26/13

College Dean's Signature (Date)

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