REQUEST FOR ADDING, CHANGING, SUSPENDING OR DROPPING UNDERGRADUATE MINOR

Department
College
Date

Name of Minor Robotics Engineering

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

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

ACTION (check appropriate box):
(X) ADDING: Show the entire new minor using catalog format. Use plain sheets and attach.
( ) CHANGING: List present catalog description which is to be changed (left column) and the changes proposed (right column). In proposed column use strikeout and bold to indicate deletions and additions. Explain all changes adequately on attachment.
( ) SUSPENDING: Provide an adequate explanation for suspending the minor on plain sheets and attach.
( ) DROPPING: Provide an adequate explanation for dropping the minor on plain sheets and attach.

MINOR

<table>
<thead>
<tr>
<th>PRESENT</th>
<th>PROPOSED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total semester hours in current minor:</td>
<td>Total semester hours in proposed minor: 21</td>
</tr>
</tbody>
</table>

To earn a Robotics Engineering minor, a student must complete 21 credit hours of course work with a minimum GPA of 2.5 in the minor field and a grade "C" or better in each of the minor courses. These must include: MATH 2070 or MATH 2085 or MATH 2090; ME 2543 or IE 2060 or CSC 1253 or CSC 1350; ENGR 3100; three courses from the approved list of Core courses of which at least one must be outside of the student’s major academic unit; and one course from the approved list of Capstone courses. Of the 21 credit hours of work course, at most 15 can overlap with student's major academic degree.

APPROVALS:
Department Faculty Approval Date 2/24/14
Department Chair's Signature Warren Waggenspack
Date 6/13/14
Chair, FS C & C Committee

College Faculty Approval Date 4/8/14
College Dean's Signature
Date 6/11/14
Academic Affairs Approval
Date 6/20/14

College Contact: Warren Waggenspack
(Please print name.)

College Contact Email mewagg@lsu.edu
Motivation
Robotics is considered one of the next, new growth industries. Applications of robotic systems are moving beyond industrial robots that alleviate factory workers of exhaustive, repetitive tasks and increase productivity and efficiency. Robotics is progressively playing a critical role in the military, space exploration, construction, service industry, medicine, health care, and assistive technology for the disabled and elderly. As a result, the demand for qualified “Roboticists” is expected to grow in coming years.

Aside from this robotics market demand, there is an increasing desire from industry in general to hire professionals who, in addition to having deep knowledge of their respective fields, can integrate different disciplines and can effectively work/communicate with personnel of other technical fields. The multidisciplinary nature of robotics is an ideal vehicle for preparing students to meet this need for concurrent depth and breadth of knowledge.

The proposed Robotics Engineering minor will be unique in this region of the country. The only schools offering a minor in Robotics are Worcester Polytechnic Institute, John Hopkins University, University of Massachusetts-Lowell, University of Central Florida, Washington University in St. Louis, Carnegie Mellon University, University of Maine, and Rose-Hulman Institute of Technology. The only schools that offer a major in Robotics Engineering are Worcester Polytechnic Institute and University of California-Santa Cruz.

Target Audience
The Robotics Engineering minor will provide a fundamental understanding of the field of robotics to undergraduate students interested in pursuing careers or graduate degrees in this field, or in acquiring a multidisciplinary education. The minor’s target audience are students majoring in mechanical, industrial, electrical, computer, and biological engineering, computer science, and kinesiology. However, students majoring in any academic program could complete the minor as long as the pre-requisites for the minor curriculum are met.

The College of Engineering’s Robotics Peer Mentor program has about 20 undergraduate students who lead middle and high school teams in robotics competitions. These students are very interested in the Robotics Engineering minor. Moreover, they would play a key role in recruiting high school students to LSU by advertising the Robotics Engineering minor.

New Courses
The development of the Robotics Engineering minor will require the development of new courses. One of these courses will be ENGR 3100 Introduction to Robotics while the others will be “Capstone” courses devoted to different specializations in the field of robotics. We expect the list of Capstone courses to change over time as these courses are developed. Presently, we will develop the following two Capstone courses: ENGR 4100 Industrial Robotics and ENGR 4200 Autonomous Vehicles. We also listed in the table below two additional Capstone courses which we foresee developing in the near future: ENGR 4xxx Assistive Robotics and ENGR 4xxx Subsea Robotics. Faculty from Mechanical Engineering, Industrial Engineering, Electrical and Computer Engineering, and Computer Science have volunteered to teach or team-teach these new courses.

Minor Flowchart
The flowchart for the minor is shown below. Engineering students from academic units with Capstone Design are strongly encouraged to select a robotics-related project. All of the approved Core courses have been taught regularly during the last five years, except for IE 4485.

Programming: ME 2543 or IE 2060 or CSC 1253 or CSC 1350. One of these courses is required for each Engineering major, except for BE.

Linear algebra: MATH 2070 or MATH 2085 or MATH 2090. MATH 2090 is required for most engineering majors, except for BE.

Initial Enrollment
Enrollment in the minor will be limited to 20 students until additional faculty and financial resources are procured to fully support it.
### Table 1: List of Core Courses

<table>
<thead>
<tr>
<th>Courses</th>
<th>Last Taught</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 3133 Dynamics, or CE 2460 Dynamics and Vibrations</td>
<td>S14</td>
</tr>
<tr>
<td>ME 4183 Theory/Design Mechanical Control Systems, or EE 3530 Intro Control Engineering</td>
<td>F13, S14</td>
</tr>
<tr>
<td>ME 4673 Intro Modern Control Theory</td>
<td>S14</td>
</tr>
<tr>
<td>ME 4683 Sensors &amp; Actuators</td>
<td>S14</td>
</tr>
<tr>
<td>ME 4193 Vehicle Dynamics</td>
<td>S14</td>
</tr>
<tr>
<td>EE 3752 Microprocessor Systems</td>
<td>S14</td>
</tr>
<tr>
<td>EE 4750 Microprocessor Interfacing Techniques</td>
<td>F13</td>
</tr>
<tr>
<td>EE 4780 Intro Computer Vision</td>
<td>S14</td>
</tr>
<tr>
<td>EE 4730 3D Graphical and Geometric Modeling</td>
<td>S13</td>
</tr>
<tr>
<td>EE 4003 Algorithms and Implementation of DSP</td>
<td>S14</td>
</tr>
<tr>
<td>EE 4003 Digital Control</td>
<td>S14</td>
</tr>
<tr>
<td>EE 4490 Adjustable Speed Drives</td>
<td>F13</td>
</tr>
<tr>
<td>CSC 4444 Artificial Intelligence</td>
<td>F13</td>
</tr>
<tr>
<td>CSC 4356/ME 4573 Intro Interactive Computer Graphics</td>
<td>F13</td>
</tr>
<tr>
<td>CSC 4243 Interface Design and Technology</td>
<td>S14</td>
</tr>
<tr>
<td>CSC 4512 Optimization</td>
<td>S14</td>
</tr>
<tr>
<td>CSC 4402 Intro Database Management Systems</td>
<td>F13</td>
</tr>
<tr>
<td>IE 4465/BE 4323 Biomechanics for Engineers, or KIN 3514 Biomechanical Basis of Kinesiology</td>
<td>S14</td>
</tr>
<tr>
<td>IE 4485 Systems Integration in Manufacturing</td>
<td>F10</td>
</tr>
<tr>
<td>IE 4466 Human Computer Interaction</td>
<td>S14</td>
</tr>
<tr>
<td>KIN 4571 Neuromotor Control of Human Movement</td>
<td>S14</td>
</tr>
</tbody>
</table>

### Table 2: List of Capstone Courses

<table>
<thead>
<tr>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 4100 /KIN xxx Industrial Robots</td>
</tr>
<tr>
<td>ENGR 4200 Autonomous Robotic Vehicles</td>
</tr>
<tr>
<td>ENGR/KIN 4xxx Assistive Robotics</td>
</tr>
<tr>
<td>ENGR 4xxx Subsea Robotics</td>
</tr>
<tr>
<td>Item</td>
</tr>
<tr>
<td>------------------------------</td>
</tr>
<tr>
<td><strong>Intro to Robotics</strong></td>
</tr>
<tr>
<td>BOEbot kit</td>
</tr>
<tr>
<td>Hexapod robot kit</td>
</tr>
<tr>
<td>Drone kit</td>
</tr>
<tr>
<td><strong>Industrial Robotics</strong></td>
</tr>
<tr>
<td>Robot arm</td>
</tr>
<tr>
<td><strong>Autonomous Vehicles</strong></td>
</tr>
<tr>
<td>Kinetic sensor</td>
</tr>
<tr>
<td>Camera</td>
</tr>
<tr>
<td>LIDAR</td>
</tr>
<tr>
<td>iRobot Create</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
</tr>
</tbody>
</table>
REQUEST FOR ADDING, CHANGING, SUSPENDING OR DROPPING UNDERGRADUATE MINOR

Department  Mechanical & Industrial Engr  College  Engineering  Date  1/10/14
Name of Minor  Ecommerce Engineering

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

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

ACTION (check appropriate box):

(X) ADDING
( ) CHANGING
( ) SUSPENDING:
( ) DROPPING

Show the entire new minor using catalog format. Use plain sheets and attach.
List present catalog description which is to be changed (left column) and the changes proposed (right column). In proposed column, use strikeout and bold to indicate deletions and additions. Explain all changes adequately on attachment.
Provide an adequate explanation for suspending the minor on plain sheets and attach.
Provide an adequate explanation for dropping the minor on plain sheets and attach.

MINOR

PRESENT

Total semester hours in current minor:

PROPOSED

Total semester hours in proposed minor: 18

ECommerce Engineering Minor

To earn an ECommerce Engineering Minor, a student must complete 18 credit hours of course work. These must include IE2060 or CSC1253 or CSC1350 or ISDS3107; IE4425 or CSC4402 or ISDS3110; IE4426; IE4427; IE4428; and one course from an elective list maintained by the Mechanical & Industrial Engineering department. A grade of "C" or better in each course is required.

APPROVALS

Department Faculty Approval Date  1/10/14
Department Chair's Signature  5/27/14
Chair, FS C & C Committee  6/18/14

College Faculty Approval Date  4/8/14
College Dean's Signature  5/19/14
Academic Affairs Approval  6/20/14

College Contact (Please print name)

College Contact Email
Justification
Ecommerce, in the form of business-to-consumer or business-to-business commerce, now makes up the majority of commerce in the U.S. Technologies and business practices have evolved rapidly in Ecommerce, and there is a high demand for employees with expertise in these systems. The purpose of this minor is to familiarize technically-oriented students with the business processes and strategic issues underlying Ecommerce systems, and to develop a mastery of the design, development, and implementation of Ecommerce software systems.

The primary market for the minor is expected to be students in Computer Science, EE & Computer Engineering, Industrial Engineering, and ISDS.

This minor is supportive of the state economic development initiatives in information technologies, and has been developed in collaboration with representatives from IBM and other local and regional information technology companies, who will be supporting the minor’s implementation through provision of software, case studies, guest lectures, and donations.

Pre-requisite relations between the minor courses are shown below.

<table>
<thead>
<tr>
<th>Introductory OOP Programming Course:</th>
<th>Web Applications Development:</th>
<th>Ecommerce Engineering I:</th>
<th>Ecommerce Engineering II:</th>
</tr>
</thead>
<tbody>
<tr>
<td>IE2060 or CSC1253 or CSC1350 or SOS3107</td>
<td>IE4426</td>
<td>IE4427</td>
<td>IE4428</td>
</tr>
</tbody>
</table>

Introductory Database Course:
IE4425 or CSC4402 or ISDS3110

Elective Course
(See list maintained in Dean’s Office)

Initial Elective List (list will be maintained by the Department of Mechanical and Industrial Engineering)
- IE4466 Human Computer Interaction
- CSC4343 Interfaces Design & Technology
- ISDS4141 Intro to Data Mining
- ISDS4161 Sourcing in China

The minor is not initially expected to require additional faculty resources. The department chair has agreed to offering the core minor courses regularly using current faculty. The College has included this area in its hiring plan, and is seeking to make hires in this area as funding becomes available, which will address any ongoing growth in enrollment. The College of Engineering has provided 1.5 months of summer salary in Summer 2014 to Dr. Knapp to develop the lab curriculum for the two new courses, IE4427 and 4428.
Dr. Knapp and Dr. Waggenspack,

This email should be enough. I will also attach the justification from the minor to the two new course proposals.

Thanks much!

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

-----Original Message-----
From: Warren N Waggenspack
Sent: Wednesday, May 28, 2014 5:32 PM
To: Anna M Castrillo
Cc: Gerald M Knapp; Warren N Waggenspack
Subject: Re: Updated E-Commerce Forms w/ Signatures

Anna
Gerry is correct; however, if for archival purposes, the course forms are filed separately, I would suggest attaching a copy of the justification/description with the Form F as it sufficiently addresses your questions.

Thanks
Warren

On 5/28/14 4:27 PM, "Gerald M Knapp" <gknapp@lsu.edu> wrote:

> Hi Anna,
> With respect to your request on the justifications for IE4427 and IE4428, the justification (why needed) is explained in the Ecommerce Minor Form F (which is referenced in the IE4427/4428 forms). What the courses are about is I think quite clearly described in the course descriptions and syllabi.
> No other courses have significant overlap with the contents of these two courses. Both CSC and ISDS reviewed not just the minor form but also the course forms and syllabus for IE4427 and IE4428 and indicated no objections or concerns regarding overlap.
> IE4427 and IE4428 have not been previously offered as special topics
> courses. Without the minor in place, we will unlikely be able to
> garner adequate enrollments for these courses to make as standalone
> courses due to the prerequisite chain. The College of Engineering Dean
> has committed
> 1.5 months of salary to me this summer to do the initial curriculum
> development that would typically be done within the context of a
> special topics course. This commitment is noted in the Ecommerce minor Form F.
> Please let me know if the above explanation is sufficient, or if
> additional information is needed, and also whether this email if
> sufficient response or if it will be necessary to redo and re-sign the
> course forms.
> Thank you!
> Regards,
> Dr. Gerry Knapp
>
> -----Original Message-----
> From: Anna M Castrillo
> Sent: Wednesday, May 28, 2014 11:32 AM
> To: Tira D Ishikawa
> Subject: RE: Updated E-Commerce Forms w/ Signatures
>
> Tira,
>
> I have reviewed the packet and will need a few things:
>
> For the minor, we will need letters of support from CSC and ISDS as
> these courses are listed in the minor.
> Also, the justification pages for the new courses, IE 4427 and 4428,
> should explain what these new courses are about, what do they add to
> the minor that no other course can, if they have ever been offered as
> special topics courses in the past, etc.
>
> Sincerely,
>
> 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
>
REQUEST FOR ADDING, CHANGING, SUSPENDING OR DROPPING UNDERGRADUATE MINOR

Department School of Social Work College Human Sciences & Education Date April 25, 2014
Name of Minor Social Work Minor

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

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

ACTION (check appropriate box):
( ) ADDING: Show the entire new minor using catalog format. Use plain sheets and attach.
(X) CHANGING: List present catalog description which is to be changed (left column) and the changes proposed (right column). In proposed column use strikeout and bold to indicate deletions and additions. Explain all changes adequately on attachment.
( ) SUSPENDING: Provide an adequate explanation for suspending the minor on plain sheets and attach.
( ) DROPPING: Provide an adequate explanation for dropping the minor on plain sheets and attach.

MINOR

<table>
<thead>
<tr>
<th>PRESENT</th>
<th>PROPOSED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total semester hours in current minor: 18</td>
<td>Total semester hours in proposed minor: 18</td>
</tr>
<tr>
<td>Required 9 hours:</td>
<td>Required 9 hours:</td>
</tr>
<tr>
<td>SW 2000 (3) Introduction to Social Work</td>
<td>SW 2000 (3) Introduction to Social Work</td>
</tr>
<tr>
<td>SW 3002 (3) Child &amp; Community</td>
<td>SW 3002 (3) Child &amp; Community</td>
</tr>
<tr>
<td>SW 3003 (3) Skills in Working with People</td>
<td>SW 3003 (3) Skills in Working with People</td>
</tr>
</tbody>
</table>

Select nine hours from the list of electives below:

<table>
<thead>
<tr>
<th>Elective 9 hours:</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW 3007 Juvenile Delinquency</td>
</tr>
<tr>
<td>SW 3011 Community Services &amp; the Aged</td>
</tr>
<tr>
<td>SW 4500 Crisis Intervention</td>
</tr>
<tr>
<td>SW 4070 Special Topics in Social Work</td>
</tr>
</tbody>
</table>

Or Other Electives Approved by Department

APPROVALS:
Department Faculty Approval Date April 4, 2014
Department Chair’s Signature
Chair, FS C & C Committee

College Faculty Approval Date 5/15/14
College Dean’s Signature
Academic Affairs Approval

College Contact: Casey Bennett
(Please print name.)
College Contact Email Cbenne5@lusu.edu
Justification for Proposed Changes to Minor in Social Work

<table>
<thead>
<tr>
<th>Minor Code</th>
<th>Description</th>
<th>College/Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOWK</td>
<td>Social Work</td>
<td>School of Social Work</td>
</tr>
</tbody>
</table>

Required 9 hours:

SW 2000 (3) Introduction to Social Work
SW 3002 (3) Child & Community
SW 3003 (3) Skills in Working with People

Elective 9 hours:

SW 3007 Juvenile Delinquency
SW 3011 Community Services & The Aged

SW 4500 Crisis Intervention
SW 4070 Special Topics in Social Work
Or Other Electives Approved by Department (proposed change)

Justification:

This minor exposes students to an array of social work fields of practice covering the lifespan from children to older persons. Nine hours of required coursework consists of an introductory course outlining the historical foundations and the role of social work in today’s society (SW 2000), the needs of children in today’s society (SW 3002), and a basic skill building course in working with people (SW 3003). Students select nine hours of remaining coursework on topics ranging from delinquency (SW 3007), older persons (SW 3011), crisis intervention (SW 4500), and other relevant special topics (SW 4070) in a variety of areas.

With the Child & Family studies major becoming part of the School of Social Work, students enrolled in some of these courses should be allowed to receive elective credit toward the minor. Likewise, SW 2500, Introduction to LGBTQ, is not listed on the elective list and can also be taken as an elective toward the minor.

Adding the wording, “or other electives approved by the department” will give students more choices in electives.
To: Anna Castrillo, M.A.
    Coordinator, Office of the University Registrar

From: Denyce Celentano
    Acting Director, School of Art

Re: Course Fees

The school of art requests that the courses on the attached lists delete the statement about a required course fee from their course descriptions.

The original proposal requests were not sent forward for approval by the LSU board of supervisors, and were subsequently not approved at the most recent submission.

Thank you for your assistance with this.

[Signature]

[Date: 6/18/2014]

Approved - [Signature]
[Date: 6/20/2014]
# School of Art Course List

**FY 2014**

As listed in Course Catalog FY 2015

- Has approved course fee

- Needs catalog change

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
<th>Approved Fee</th>
<th>Fee Account</th>
<th>Course Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceramics</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1661</td>
<td>Intro to Ceramics: Handbuilding</td>
<td>35.00</td>
<td>130-10-0021</td>
<td></td>
</tr>
<tr>
<td>1662</td>
<td>Intro to Ceramics: Wheel Throwing</td>
<td>35.00</td>
<td>130-10-0021</td>
<td></td>
</tr>
<tr>
<td>2655</td>
<td>Intro to Jewelry/Metalsmithing</td>
<td>50.00</td>
<td>130-10-0024</td>
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<tr>
<td>2656</td>
<td>Inter Jewelry/Metalsmithing</td>
<td>65.00</td>
<td>130-10-0024</td>
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<tr>
<td>2661</td>
<td>Intermediate Ceramics</td>
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<td></td>
</tr>
<tr>
<td>2662</td>
<td>HONORS: Intermediate Ceramics</td>
<td>75.00</td>
<td>130-10-0021</td>
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</tr>
<tr>
<td>4641</td>
<td>Special Studies in Ceramics</td>
<td>25.00</td>
<td>130-10-0021</td>
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<tr>
<td>4651</td>
<td>Special Studies in Jewelry/Metal</td>
<td>60.00</td>
<td>130-10-0024</td>
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<tr>
<td>4655</td>
<td>Adv Jewelry/Metalsmithing</td>
<td>60.00</td>
<td>130-10-0024</td>
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<tr>
<td>4661</td>
<td>Advanced Ceramics</td>
<td>100.00</td>
<td>130-10-0021</td>
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</tr>
<tr>
<td>4691</td>
<td>Senior Project</td>
<td>25.00</td>
<td>130-10-0021</td>
<td></td>
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<tr>
<td>7600</td>
<td>Graduate Ceramics</td>
<td>130.00</td>
<td>130-10-0021</td>
<td></td>
</tr>
<tr>
<td>Digital Art</td>
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</tr>
<tr>
<td>2050</td>
<td>Digital Art II</td>
<td>20.00</td>
<td>130-10-0029</td>
<td></td>
</tr>
<tr>
<td>2210</td>
<td>Creative Coding</td>
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<td>Remove fee statement from catalog</td>
</tr>
<tr>
<td>2220</td>
<td>Moving Image</td>
<td>0.00</td>
<td></td>
<td>Remove fee statement from catalog</td>
</tr>
<tr>
<td>2230</td>
<td>Virtual Space</td>
<td>20.00</td>
<td>130-10-0028</td>
<td>05/2013 -- Fee moved from ART 4050 to ART 2230</td>
</tr>
<tr>
<td>2551</td>
<td>Typography for Vis Comm</td>
<td>20.00</td>
<td>130-10-0022</td>
<td></td>
</tr>
<tr>
<td>4020</td>
<td>Special Topics in Studio</td>
<td>0.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4030</td>
<td>Independent Study in Studio Art</td>
<td>0.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4050</td>
<td>Digital Art III</td>
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<td></td>
<td></td>
</tr>
<tr>
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<td>Digital Art</td>
<td>0.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4080</td>
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<td></td>
<td></td>
</tr>
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<td>7250</td>
<td>Digital Art Praxis</td>
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<td>Remove fee statement from catalog</td>
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<tr>
<td>7255</td>
<td>Digital Art Seminar</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>General Courses</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1001</td>
<td>Intro to Fine Arts</td>
<td>0.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1008</td>
<td>Intro to Two-Dimensional Comp</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>1009</td>
<td>Intro to Three-Dimensional Art</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>1010</td>
<td>Intro to Drawing</td>
<td>0.00</td>
<td></td>
<td></td>
</tr>
<tr>
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### Graphic Design

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<td>Digital Imaging Techniques</td>
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### Painting & Drawing

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<td>Figure Drawing II</td>
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<td>2881</td>
<td>Painting II</td>
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### Photography

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<td>Intro to Digital Photography</td>
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<td>3994</td>
<td>Advanced Photography</td>
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<td>3996</td>
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<td>Alternate Photo Processes</td>
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**Printmaking**

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<td>Papermaking</td>
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<td>Relief Printmaking</td>
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**Sculpture**

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<td>2761</td>
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**Jewelry/Metals**

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Request for CHANGING an Existing Course

Department  Civil & Environmental Engr.  College  ENGR
Course Rubric and #  CE 2450  Date 5/7/2013

Present Course Description

Title  Statics
Semester Hours of Credit 3

If combination course type, # hrs. of lecture: lab/sem 3

Repeat Credit Max (if repeatable) 3

Graduate Credit? Yes  No
Credit will not be given for this course and: CE 2451

Contact Hours Per Week: (Indicate hours in appropriate course type )
LEC  _x_  LAB  _x_  SEM  _x_  REC  _x_  RES/IND  _x_  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.: grade of "C" or better in MATH 1550, MATH 1552 and PHYS 2110. Vectorial treatment of resultants and equilibrium of force systems, centroids and centers of gravity, fluid statics, friction.

Proposed Course Description

Title  Statics
Short Title  STATICS
Semester Hours of Credit 3

If combination course type, # hrs. of lecture: lab/sem 3

Repeat Credit Max (if repeatable) 3

Graduate Credit? Yes  No
Credit will not be given for this course and: CE 2451

Contact Hours Per Week: (Indicate hours in appropriate course type )
LEC  _x_  LAB  _x_  SEM  _x_  REC  _x_  RES/IND  _x_  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.: grade of “C” or better in MATH 1550, MATH 1552 and PHYS 2110. An Honors course, CE 2451, is available. Credit will not be given for this course and CE 2451. Vectorial treatment of resultants and equilibrium of force systems, centroids and centers of gravity, fluid statics, friction.

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 ( )

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 2/20/2013  College Faculty Approval Date 9/19/13
Department Chair's Signature 9/27/13  College Dean's Signature 9/27/13
Graduate Dean's Signature (Date)  Chair, FS C & C Committee (Date)

Academic Affairs Approval (Date)
JUSTIFICATION

Since an Honors course is also available, credit will not be given for this course CE 2451.
Faculty Senate Courses and Curricula Committee

From: Lawrence Rouse, Chair, Courses and Curricula Committee

October 16, 2013

At their October 15th, 2013 meeting, the Faculty Senate Courses and Curriculum Committee took the following actions regarding the CE proposals.

**CE CURRICULUM**
- The Committee approved the changes to the CE curriculum.

**CE 2451, 2461, AND 3401**
- The Committee returned the proposals to add CE 2451, 2461, and 3401. The lab/recitation format of these HONORS courses increases the total credit hours to 4, not the proposed 3 credit hours. The Committee believes these courses to be **four** credit hour courses. The department may also opt to drop a lecture hour from each course to keep the proposed three credit hour.

**CE 2450, 2460, and 3400**
- The Committee tabled these proposals pending the submission and approval of their HONORS counterparts.

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

If you have any questions regarding the request, please feel free to contact me at rouse@lsu.edu.
## Request for CHANGING an Existing Course

**Department**  
Civil & Environmental Engr.

**Course Rubric and #**  
CE 2460

**Date**  
5/7/2013

### Present Course Description

**Title**  
Dynamics and Vibrations

**Semester Hours of Credit**  
3

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<th>lab/sem rec:</th>
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<td>Repeat Credit Max (if repeatable):</td>
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**Graduate Credit?**  
Yes: No:

**Credit will not be given for this course and:**  
ME 3133

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

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<th>LAB</th>
<th>SEM</th>
<th>REC</th>
<th>RES/IND</th>
<th>CLIN/PRACT</th>
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**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.

Pre-req.: grade of "C" or better in CE 2450 and credit or registration in MATH 2063. Credit will not be given for this course and ME 3133. Treatment of kinematics and kinetics of particles and rigid bodies; force, movement, velocity, acceleration; impulse and momentum; work and energy; dynamics and vibration; concepts applied to structural and machine components.

### Proposed Course Description

**Title**  
Dynamics and Vibrations

**Semester Hours of Credit**  
3

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<tr>
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<tbody>
<tr>
<td>Repeat Credit Max (if repeatable):</td>
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**Graduate Credit?**  
Yes: No:

**Credit will not be given for this course and:**  
CE 2461; ME 3133

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

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<th>LAB</th>
<th>SEM</th>
<th>REC</th>
<th>RES/IND</th>
<th>CLIN/PRACT</th>
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</table>

**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.

Pre-req.: grade of "C" or better in CE 2450 or 2451 and credit or registration in MATH 2065. An Honors Course; CE 2461, is available. Credit will not be given for this course and ME 3133 and CE 2461. Treatment of kinematics and kinetics of particles and rigid bodies; force, movement, velocity, acceleration; impulse and momentum; work and energy; dynamics and vibration; concepts applied to structural and machine components.

### JUSTIFICATION/EXPLANATION

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

**APPROVALS**

**Department Faculty Approval Date:** 2/20/2013  
*Signature*

**College Dean's Signature**  
9/19/2013

**College Contact E-mail:**

(Please print name.)

**Academic Affairs Approval**  
(Performance)
Justification
Since an Honors course is also available, credit will not be given for this course and CE 2461.
Faculty Senate Courses and Curricula Committee

October 16, 2013

From: Lawrence Rouse, Chair, Courses and Curricula Committee

At their October 15th, 2013 meeting, the Faculty Senate Courses and Curriculum Committee took the following actions regarding the CE proposals.

CE CURRICULUM

- The Committee approved the changes to the CE curriculum.

CE 2451, 2461, AND 3401

- The Committee returned the proposals to add CE 2451, 2461, and 3401. The lab/recitation format of these HONORS courses increases the total credit hours to 4, not the proposed 3 credit hours. The Committee believes these courses to be four credit hour courses. The department may also opt to drop a lecture hour from each course to keep the proposed three credit hour.

CE 2450, 2460, and 3400

- The Committee tabled these proposals pending the submission and approval of their HONORS counterparts.

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

If you have any questions regarding the request, please feel free to contact me at rouse@lsu.edu.
Request for CHANGING an Existing Course

Department: Civil and Environmental Engr
Course: CE 3400

Present Course Description

Title: Mechanics of Materials
Semester Hours of Credit: 3

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

Grading System: Letter Grade X Pass/Fail
Course Description: Include course number, title, etc., exactly as it appears in the General Catalog.
Prereq.: Grade of "C" or better in CE 2450. Stress and strain, torsion, bending, deflections of beams, columns, statically indeterminate problems, combined stress.

Proposed Course Description

Title: Mechanics of Materials
Short Title: M E C H N S O F M A T E R I A L
Semester Hours of Credit: 3

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

Grading System: Letter Grade X Pass/Fail
Course Description: Include course number, title, etc., exactly as it appears in the General Catalog.
Prereq.: Grade of "C" or better in CE 2450 or CE 2451. An Honors course, CE 3401, is available. Credit will not be given for this course and CE 3401. Stress and strain, torsion, bending, deflections of beams, columns, statically indeterminate problems, combined stress.


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

JUSTIFICATION/EXPLANATION: Use separate sheet.

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

APPROVALS:

Department Faculty Approval Date: 2/20/2013
Department Chair's Signature: (Date)

College Faculty Approval Date: 9/19/2013
College Dean's Signature: (Date)

Chair, FS C & C Committee: (Date)

Academic Affairs Approval: (Date)
Justification

Since an Honors course is also available, credit will not be given for this course and CE 3401.
Faculty Senate Courses and Curricula Committee

From: Lawrence Rouse, Chair, Courses and Curricula Committee

At their October 15th, 2013 meeting, the Faculty Senate Courses and Curriculum Committee took the following actions regarding the CE proposals.

CE CURRICULUM
- The Committee approved the changes to the CE curriculum.

CE 2451, 2461, AND 3401
- The Committee returned the proposals to add CE 2451, 2461, and 3401. The lab/recitation format of these HONORS courses increases the total credit hours to 4, not the proposed 3 credit hours. The Committee believes these courses to be four credit hour courses. The department may also opt to drop a lecture hour from each course to keep the proposed three credit hour.

CE 2450, 2460, and 3400
- The Committee tabled these proposals pending the submission and approval of their HONORS counterparts.

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

If you have any questions regarding the request, please feel free to contact me at lrouse@lsu.edu.
Request for CHANGING an Existing Course

Department: Kinesiology  
Course Rubric and #: KIN 1999  
Date: 3/21/2014

Present Course Description

<table>
<thead>
<tr>
<th>Title</th>
<th>Special Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester Hours of Credit</td>
<td>1</td>
</tr>
</tbody>
</table>

If combination course type, # hrs. of credit for lecture: lab/sem | rec: |
Repeat Credit Max (if repeatable) | 1 |
Graduate Credit? Yes: | No: |
Credit will not be given for this course and: |
Contact Hours Per Week: (Indicate hours in appropriate course type.) |
Total Weekly Contact Hours: 3 |
Grading System: Letter Grade | Pass/Fail |
Course Description:  
| KIN 1999: Special Topics (1) May be taken for a max. of 4 sem. hrs. credit when topics vary. 3 hrs. lab. Identification, analysis and practice of skills and techniques fundamental to sports; rules, strategies, and appropriate safety procedures. |

Proposed Course Description

<table>
<thead>
<tr>
<th>Title</th>
<th>Special Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester Hours of Credit</td>
<td>1</td>
</tr>
</tbody>
</table>

If combination course type, # hrs. of credit for lecture: lab/sem | rec: |
Repeat Credit Max (if repeatable) | 4 |
Graduate Credit? Yes: | No: |
Credit will not be given for this course and: |
Contact Hours Per Week: (Indicate hours in appropriate course type.) |
Total Weekly Contact Hours: 3 |
Grading System: Letter Grade | Pass/Fail |
Course Description:  
| KIN 1999: Special Topics (1) May be taken for a max. of 4 sem. hrs. credit when topics vary. 3 hrs. lab. Pass/fail grading. Identification, analysis and practice of skills and techniques fundamental to sports; rules, strategies, and appropriate safety procedures. |

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 ( ) No (X) If yes, list courses; use separate sheet.

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

JUSTIFICATION/EXPLANATION: Use separate sheet.

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

APPROVALS:

Department Faculty Approval Date 3-21-14

Graduate Dean's Signature (Date)

College Contact: Casey Bennett (Please print name.)

College Contact E-mail: Cbenne5@lsu.edu
Justification:

We request approval to change the grading format of the course to align with courses of a similar nature in kinesiology. We request a change from letter grade to pass/fail grading. This grading format reflects how this course is currently taught and graded.
Request for CHANGING an Existing Course

Department: Mechanical & Industrial Engineering

Course Rubric and #: IE 4426

Present Course Description

Title: Distributed Information Systems Engineering

Semester Hours of Credit: 3

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

Repeat Credit Max (if repeatable): __

Graduate Credit? Yes X No __

Credit will not be given for this course and: __

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

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

Total Weekly Contact Hours: 5

Grading System: Letter Grade X Pass/Fail __

Course Description:

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

Prereq: IE 4425 or equivalent. 2 hrs. lecture. 3 hrs. lab. Interfacing programs to databases, analysis and development of client-server applications in industrial and business settings, interfacing databases and industrial applications to the Internet: analysis, design and implementation of industrial and business networks.

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: 1/10/14

Department Chair’s Signature: __ (Date) __

Graduate Dean’s Signature: __ (Date) __

College Contact: __ (Please print name.) __

College Contact E-mail: __

College Faculty Approval Date: __ (Date) __

College Dean’s Signature: __ (Date) __

Chair, FS C & C Committee: __ (Date) __

Academic Affairs Approval: __ (Date) __
JUSTIFICATION

This course will be a required course in and the starting point for the proposed Ecommerce Engineering minor (see accompanying Form F for description and justification).

This minor will be available to students in Industrial Engineering, Computer Science, Electrical & Computer Engineering, and ISDS.

- The database prerequisite (originally IE4425) list has been extended to include the introductory databases courses for CS, EE, Comp Engr, and ISDS (CSC4402 or ISDS3110). After reviewing the course coverage sequence, we have also determined that the database courses can be taken as co-requisites rather than pre-requisites. This will allow students to take this course earlier in their programs (as early as first semester junior year).

- An explicit programming prerequisite list has been added. Currently IE2060 is a co-req to IE4425 and thus is implicitly a prerequisite to IE4426. Making IE4425 a coreq means potentially a student could also be taking IE2060 (Industrial Engineering's introductory programming course) at the same time as IE4426. Programming is required from the first week of classes and thus needs to be a prerequisite, so IE2060 is being added explicitly as a prerequisite. The introductory programming courses taken by CS, EE, Comp Engr, and ISDS (CSC1253 or CSC1350 or ISDS3107) have likewise been added.

The catalog description has been written more concisely and clearly to eliminate confusion about the course coverage. Course topic coverage is not changing from how currently taught however.
Justification

E-commerce, in the form of business-to-consumer or business-to-business commerce, now makes up the majority of commerce in the U.S. Technologies and business practices have evolved rapidly in E-commerce, and there is a high demand for employees with expertise in these systems. The purpose of this minor is to familiarize technically-oriented students with the business processes and strategic issues underlying E-commerce systems, and to develop a mastery of the design, development, and implementation of E-commerce software systems.

The primary market for the minor is expected to be students in Computer Science, EE & Computer Engineering, Industrial Engineering, and ISDS.

This minor is supportive of the state economic development initiatives in information technologies, and has been developed in collaboration with representatives from IBM and other local and regional information technology companies, who will be supporting the minor’s implementation through provision of software, case studies, guest lectures, and donations.

Pre-requisite relations between the minor courses are shown below.

<table>
<thead>
<tr>
<th>Core Course</th>
<th>Elective Course 1</th>
<th>Elective Course 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Programming</td>
<td>Web Applications</td>
<td>E-commerce</td>
</tr>
<tr>
<td>CSC410</td>
<td>Development</td>
<td>Engineering</td>
</tr>
<tr>
<td>CSC442b</td>
<td>E-commerce</td>
<td>Engineering</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E-commerce</td>
</tr>
</tbody>
</table>

Initial Elective List (list will be maintained by the Department of Mechanical and Industrial Engineering)

- ISDS4466 Human Computer Interaction
- CSC4343 Interfaces Design & Technology
- ISDS4101 Intro to Data Mining
- ISDS4102 Sourcing in China

The minor is not initially expected to require additional faculty resources. The department chair has agreed to offering the core minor courses regularly using current faculty. The College has included this area in its hiring plan, and is seeking to make hires in this area as funding becomes available, which will address any ongoing growth in enrollment. The College of Engineering has provided 1.5 months of summer salary in Summer 2014 to Dr. Knapp to develop the lab curriculum for the two new courses, ISDS427 and 4428.
IE4426 Distributed Information Systems Engineering (Fall 20**)

Credit hours: (3)

INSTRUCTOR: Dr. Gerald M. Knapp, 2159B PFT
Phone: 578-5374; E-mail: gknapp@bsu.edu
Course website: Moodle
Office hours: TBA

TEXT: Course book will be provided electronically on Moodle.

DESCRIPTION: Prerequisite: IE2060 or CSC1253 or CSC1350 or ISDS3107, and credit or registration in IE4425 or CSC4402 or ISDS3110; lecture 2 hrs., lab 3 hrs. This course is designed to give technically-oriented students a basic understanding of the technologies used in developing internet-based eCommerce information systems, how to design such systems, and how to manage and maintain them.

COURSE OBJECTIVES: Students completing this course are expected to be able to:
1. Understand the different information technologies and implementation options currently available for implementing web-based information systems, and the major contemporary issues associated with these technologies such as security and privacy.
2. Demonstrate mastery of EDI & XML messaging concepts and messaging-related XML standards (such as SOAP, XPath/XQuery, and XSLT).
3. Demonstrate ability to develop relatively complex database-driven web & mobile applications and web services using a variety of tools, including SQL Server, HTML 5.0 & CSS, Javascript & JQuery, AJAX & SOAP/REST/JSON.NET services, and XML.

Topics

- **Web page fundamentals (1 week).**
  - HTML basics.
  - CSS – styles, inheritance, positioning.
  - Page layout/style inheritance & templates.
  - Design tools.

- **Web applications - fundamentals (3 weeks).**
  - Web servers – concepts and commercial alternatives: web server architecture; web farm architecture; n-tier architectures
  - HTML & ASP.NET controls
  - Page lifecycle
  - Form-oriented processing vs Model-View-Controller (MVC) processing models (design patterns)
  - State maintenance (session, viewstate, & applications objects; cookies)
  - User input (form data, querystring data, cookie data, file data; client data)
  - Web forms & event handling
  - Page navigation & navigation systems
  - Image & document serving
  - Document generation; reporting and charting
  - Email (programmatic)
  - Data sources – direct (ADO.NET), object-based (typed dataset, Linq to SQL dataset, custom data access layer object classes)
  - Data-bound controls
  - Other data operations
  - AJAX
  - MVC applications

- **Network fundamentals (1 week).**
  - Network architecture & devices.
  - Network stack.
• Ethernet and TCP/IP protocols.
• Internet security & privacy issues and technologies.
• Capacity & reliability issues.
• **Messaging & Service fundamentals (2 weeks).**
  • Messaging transport & content standards (HTTP, HTML, XML, etc.)
  • Querying, transforming, consuming, generating, & binding XML
  • Creating and calling web services (SOAP, REST JSON/XML services)
  • Service orchestration and service buses
  • Cloud technologies
• **Business Processes Analysis / Design & Usability Analysis (1 week).**
  • Review and web/mobile specific issues.
  • Implementation alternatives
  • eCommerce architectures & APIs
  • Usability concepts and assessment techniques
• **Web applications – client-side programming (1 week).**
  • JavaScript language
  • HTML 5.0 client-side Document Object Model (DOM)
  • Client-side event capture & handling
  • JQuery
  • Custom web service calls via SOAP, XML, or JSON
  • AJAX Server Controls
• **Web applications – User authentication, authorization, & access control (1 week).**
  • Authentication & access control concepts & issues.
  • ASP.NET Membership services & related controls
  • Authentication: Using custom database and authentication class; using LDAP; using Windows domain authentication; using single-sign on (CAS);
  • Access control: controlling file access (web.config configuration); controlling data and functional access on forms; database access control.
• **Mobile apps (3 weeks).**
  • Concepts, alternatives, & issues
  • Android-based mobile apps – detection, formatting, throughput issues
  • Android OS – overview, app development & distribution, accessing & using location/camera/barcode apps/api, local and remote databases, security & remote logins
  • iOS – overview, development environments and process
• **Wrap-up & reviews, midterm exam, & project presentations (1 week).**
• **Labs:** Use of C#,NET/ASP.NET, AJAX, Javascript & JQuery, SQL Server, XML/XSLT/Xpath, and other technologies in web application development. Lab coverage approximately follows course coverage.

**COURSE POLICIES**

**EVALUATION:**
- Midterm exam: 30%
- Final exam: 30%
- Semester project: 20%
- Pop quizzes & homeworks: 20%

**GRADING:**
0 ≤ F < 60 ≤ D < 70 ≤ C < 80 ≤ B < 90 ≤ A ≤100.

**WORKLOAD EXPECTATION**
Students can expect to spend 6-8 hours a week outside of lectures and lab times on this course. Work outside of class includes reading, assignments, and term project development.
HOMEWORKS & LABS
- All assignments must be turned in at the beginning of the class period in which they are due. Late homework & labs will receive a penalty of 20 points (out of 100) for each day overdue, and will not be accepted after solutions are posted.
- Assignments must be printed or neatly written, and stapled or otherwise properly bound (no dog-tagged or paper-clipped assignments will be accepted).
- Every effort will be made to return graded assignments within 10 days of submission.

SEMESTER PROJECT:
Each student will participate in a team in developing a database-driven web application. A list of candidate projects will be distributed shortly after the start of the semester; students may suggest other projects subject to the professor’s approval. Teams may include up to 3 people; be cautioned that I expect all members to contribute equally to technical work AND communications work (reports, presentations), sometimes difficult with larger groups. Dates for project technical proposal, design report, final report, and presentation will be announced early in the semester. Requirements for each report will also be discussed in-class near the start of the semester. Late reports will not be accepted, and will be assigned a zero.

Note: Graduate students will be expected to take on semester projects (or aspects of projects if in mixed teams) which are significantly more difficult than undergraduate projects.

Term project topics will vary from semester to semester, and an effort will be made to incorporate industry-based or at least realistic industry-type projects. The following example project description is from a recent term project in this course and is typical of the type and scale of projects expected for this course:

Students will develop a web-based “program of study” application for use by graduate students, their advisors, and graduate program coordinators. The current paper-based system process is processed manually by students, their faculty advisors and committee members, and staff from the graduate school. The current paper based system consists of various forms to be completed and signed for each request. The program of study must frequently be updated as well, do the variability in graduate course offerings. In addition, for exams (general, final), in order to select a suitable time which is convenient for the faculty as well as the student for a final exam, the student must contact each faculty member to sort out convenient time for exams, a process that often requires several passes.

The purpose of this program of study application is to reduce paperwork, streamline the revision and approval process, automate checks against program requirements, and simplify scheduling of exams.

We will develop a web based forms on ASP.NET to Request for Degree, Request for general Exam (including a doodle type for determining suitable date/time), Request for final Exam (including a doodle type system for determining suitable date/time), Request for change of program, and Request for dual degree. The data required for these forms will be stored in and retrieved from the database tables stored in MS SQL Server. User authentication will be tied to LSU domain accounts via CAS-based or MyLSU login.

Term projects will have the following graded requirements. Percentages indicate percentage of total term project grade.

Proposal – Project Selection & Team Statement (5%)
- Due ****. Brief description of project to be performed and list of team members.

Design Report (15%)
- Due *** (mid-semester). This document must include a summary of objectives and specifications/requirements for the software (including use case diagrams and descriptions): prototype user-interface designs; and pseudo-code or diagrams detailing logic of all processes.
- Use Word for the report. You must use named styles for all text and headings, and include a table of contents. All figures / tables are to be captioned and referenced/explained in text. External sources are to be properly cited.
- Use Visio for flow diagrams and other diagrammatic figures.
- Additional format & writing guidelines for this report will be provided early in the semester.
- Assessment will be based both on technical content AND professional presentation (grammar, spelling, format, conciseness, clarity, etc).

Final Presentation (10%)
- Each team must make an approximately 10 minute oral presentation to the class on their project during the last lab of the semester.
- Assessment will be based on professionalism of presentation; guidelines will be provided later in the semester.
Final Report & Program (70%)

- **Due ***,** you must deliver and demo a completely debugged and well documented code solution for the problem, and submit your final report for the project.
- **Final report:**
  - The final report follows the same structure and formatting requirements of the design report but includes updates for all modifications made in the design during implementation, and discussion of usability and testing performed and improvements made as a result.
  - Assessment will be based both on technical content AND professional presentation (grammar, spelling, format, conciseness, clarity, etc.).
  - Students must submit the graded design report along with the final report. If you have addressed the comments in the design report, you can improve your design report grade.
- **Final code:**
  - Code will be assessed on correctness and completeness (against requirements), quality (appropriate approaches used, code well written, properly commented, error handling and validation), and usability.

It is expected that each team member will participate equally in the technical work of the project (this does not include documentation & write up), as well as the write-up.

The technical contributions of each member must be clearly documented in the final report - the specific code, functionality, forms, reports, database components, and/or services developed by each student. I will also use peer evaluations and individual interviews to clarify the contribution of each team member.

While normally all members of a team will receive the same grade, in the event that I find evidence of significant disparities in effort and technical contribution, I will assign grades individually.

**EXAMS & POP-QUIZZES:**

A one-hour midterm exam will be administered during lecture period (tentatively, ***). A comprehensive final exam will be given during finals week, on ***. Pop quizzes may be given in any lecture or lab period without notice; be sure to keep up with all reading assigned. Only basic calculators are allowed in exams or quizzes, and only if needed. Laptops, cell devices, PDA’s, calculators with infrared ports or cellular/wireless/Bluetooth communications, MP3/music players, and similar devices are prohibited.

Missed exams and quizzes will be assigned a grade of 0 unless a legitimate (university-recognized) reason for absence is presented. In the case of legitimately missed exams or quizzes, no make-ups will be given; your other course grades will be re-weighted at the professor’s discretion.

**ATTENDANCE:**

Participation is a critical component of every lecture and lab, and as a consequence attendance at lectures and labs is mandatory. Pop quizzes and other in-class assignments may be given without notice. Students missing classes are responsible for getting lecture notes and handouts from their fellow students if not available on Moodle.

Cell devices, PDA’s, or any other digital communication devices must be kept away and turned off during lectures and labs.
Dr. Knapp and Dr. Waggenspack,

This email should be enough. I will also attach the justification from the minor to the two new course proposals.

Thanks much!

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

-----Original Message-----
From: Warren N Waggenspack
Sent: Wednesday, May 28, 2014 5:32 PM
To: Anna M Castrillo
Cc: Gerald M Knapp; Warren N Waggenspack
Subject: Re: Updated E-Commerce Forms w/ Signatures

Anna

Gerry is correct; however, if for archival purposes, the course forms are filed separately, I would suggest attaching a copy of the justification/description with the Form F as it sufficiently addresses your questions.

Thanks
Warren

On 5/28/14 4:27 PM, "Gerald M Knapp" <gknapp@lsu.edu> wrote:

>Hi Anna,
>With respect to your request on the justifications for IE4427 and
>IE4428, the justification (why needed) is explained in the Ecommerce
>Minor Form F (which is referenced in the IE4427/4428 forms). What the
>courses are about is I think quite clearly described in the course
>descriptions and syllabi.
> No other courses have significant overlap with the contents of these
>two courses. Both CSC and ISDS reviewed not just the minor form but
>also the course forms and syllabus for IE4427 and IE4428 and indicated
>no objections or concerns regarding overlap.
>IE4427 and IE4428 have not been previously offered as special topics
cours. Without the minor in place, we will unlikely be able to
garner adequate enrollments for these courses to make as standalone
courses due to the prerequisite chain. The College of Engineering Dean
has committed
1.5 months of salary to me this summer to do the initial curriculum
development that would typically be done within the context of a
special topics course. This commitment is noted in the Ecommerce minor Form F.

Please let me know if the above explanation is sufficient, or if
additional information is needed, and also whether this email if
sufficient response or if it will be necessary to redo and re-sign the
course forms.

Thank you!

Regards,

Dr. Gerry Knapp

-----Original Message-----
From: Anna M Castrillo
Sent: Wednesday, May 28, 2014 11:32 AM
To: Tira D Ishikawa
Subject: RE: Updated E-Commerce Forms w/ Signatures

Tira,

I have reviewed the packet and will need a few things:

For the minor, we will need letters of support from CSC and ISDS as
these courses are listed in the minor.

Also, the justification pages for the new courses, IE 4427 and 4428,
should explain what these new courses are about, what do they add to
the minor that no other course can, if they have ever been offered as
special topics courses in the past, etc.

Sincerely,

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


Request for CHANGING an Existing Course

Department School of Art
Course Rubric and # ART 4994
Date 1/30/2014
College Art + Design

Present Course Description
Title Large Format Photography

Semester Hours of Credit 3

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

Contact Hours Per Week. (Indicate hours in appropriate course type.)
LEC LAB SEM REC RES/IND CLIN/PRAC__
LEC LAB SEM REC RES/IND CLIN/PRAC__
Total Weekly Contact Hours: 6

Course Description: Include course number, title, etc. exactly as it appears in the General Catalog.
ART 4994 Large Format Photography (3) Prereq.: ART 3994 and permission of instructor. 6 hrs. studio. Fundamentals of the view camera.

PROPOSED COURSE DESCRIPTION

Title Large Format Photography

Semester Hours of Credit 3

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

Contact Hours Per Week. (Indicate hours in appropriate course type.)
LEC LAB SEM REC RES/IND CLIN/PRAC__
LEC LAB 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 will appear in the General Catalog.
ART 4994 Large Format Photography (3) Prereq.: ART 3994 and permission of instructor. 6 hrs. studio. Fundamentals of the view camera.

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 2/5/14
Department Chair’s Signature

Graduate Dean’s Signature 3-14-14

College Contact:

College Contact E-mail:

College Faculty Approval Date 3/4/2014
College Dean’s Signature 3/7/14
Chair, FS C & C Committee 5/8/14

Academic Affairs Approval 6/9/14
FORM C – Request for Changing an Existing Course in Photography

Justification:

The School of Art requests that the course prerequisite for ART 4994 Large Format Photography be changed to include the statement “Students are responsible for studio fee associated with course”.

Course fees were approved for ART 4994 on 01/11/2005, although the necessary forms were not completed to change the description of the course in the catalog. We are now trying to correct this error. The original approval is attached to this paperwork. The course fee provides students with access to all of the necessary materials used for this class as well as access to the equipment and tools necessary to complete the creative output required of this course. Adding the course fee to ART 4994 will make this course description consistent with all Photography courses.

ART 4994 is required for the Photography major and minor concentrations within the BFA in Studio Art.
LSU BOARD OF SUPERVISORS REQUEST FOR FEE ADJUSTMENT - ATTACHMENT

Photography

Art 4994

<table>
<thead>
<tr>
<th>Students Assessed</th>
<th>Current Fee</th>
<th>Date of last change</th>
<th>Proposed Fee</th>
<th>$ Change in Fee</th>
<th>% Change in Fee</th>
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</thead>
<tbody>
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<td>Undergrad-Resident</td>
<td>75.00</td>
<td>Jan-05</td>
<td>100.00</td>
<td>25.00</td>
<td>33.33%</td>
</tr>
<tr>
<td>Graduate-Resident</td>
<td>0.00</td>
<td>NA</td>
<td></td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Undergrad-Nonres</td>
<td>75.00</td>
<td>Jan-05</td>
<td>100.00</td>
<td>25.00</td>
<td>33.33%</td>
</tr>
<tr>
<td>Graduate-Nonres</td>
<td>0.00</td>
<td>NA</td>
<td></td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Other</td>
<td>0.00</td>
<td>NA</td>
<td></td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

Gross Revenues associated with fee adjustment: $2,000

Cost Analysis: Describe all associated costs.

Photography/Darkroom Supplies: $2,000

Net Revenues associated with fee adjustment: $0

Expenses associated with course fees:

Justification: Since 2005 significant improvements have been made to the Photography facilities. New equipment was purchased, requiring additional expenditures for supplies. Also, within this time traditional photographic materials have become less available and consequently more costly.

Expenses: Kodak TMAX Film developer, Ilford print developer, Ilford fixer for both film and print, Kodak stop bath, Perma-Wash®, Kodak Photo-flo, B&W film and paper for demonstrations, film developing reels and tanks, replacement tank lids, print tongs, replacement enlarger parts, replacement enlarger timers, replacement enlarging easels, dark material, loupes, batteries, and mounting materials.
To: William L. Jenkins, President
   LSU System

Re: Request for Retroactive Approval of School of Art Course Fees

On August 21, 1987 the LSU Board of Supervisors resolved that the President has delegated authority "to establish, initiate, and approve adjustments in special service fees." David Cronrath, Dean of the School of Art, has informed this office that in the classes listed below students are being charged for supplies that are consumed in these courses. The course instructors are collecting these fees. In the present process there is no control that all students enrolled in the classes listed below are paying the fees. These fees have been collected in this manner for at least 20 years. No documentation for the approval of these fees can be located.

The University requests retroactive approval of the fees. The collection of these fees is critical to the success of the instruction in these classes.

The courses and fees are listed in the following table.

<table>
<thead>
<tr>
<th>Type of Class</th>
<th>Fee</th>
<th>Course Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Painting and Drawing</td>
<td>$60</td>
<td>ART 1848, 2879, 4880, 4887</td>
</tr>
<tr>
<td>Photo</td>
<td>$75</td>
<td>ART 2955, 2996, 3994, 3996, 3997, 4941, 4994, 4996, 4998</td>
</tr>
<tr>
<td></td>
<td>$30</td>
<td>ART 4997</td>
</tr>
<tr>
<td>Graphic Design</td>
<td>$20</td>
<td>ART 2050, 2055, 2551, 4050, 4550, 4560, 4567, 4575</td>
</tr>
<tr>
<td>Printmaking</td>
<td>$65</td>
<td>ART 1361, 1371, 1381</td>
</tr>
<tr>
<td></td>
<td>$75</td>
<td>ART 2342, 2352, 2362, 2372, 2382, 2392, 4300, 4341, 4361, 4366, 4371, 4381, 7305</td>
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<tr>
<td>Ceramics</td>
<td>$25</td>
<td>ART 4641, 4691</td>
</tr>
<tr>
<td></td>
<td>$35</td>
<td>ART 1681, 1682</td>
</tr>
<tr>
<td></td>
<td>$75</td>
<td>ART 2662</td>
</tr>
<tr>
<td></td>
<td>$100</td>
<td>ART 4661</td>
</tr>
<tr>
<td></td>
<td>$130</td>
<td>ART 7600</td>
</tr>
<tr>
<td>Sculpture</td>
<td>$35</td>
<td>ART 1012</td>
</tr>
<tr>
<td></td>
<td>$45</td>
<td>ART 1762</td>
</tr>
<tr>
<td></td>
<td>$50</td>
<td>ART 7730</td>
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<td></td>
<td>$70</td>
<td>ART 2761, 4741, 4761, 4762</td>
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<td></td>
<td>$80</td>
<td>ART 2761</td>
</tr>
<tr>
<td>Jewelry, Metals</td>
<td>$50</td>
<td>ART 2655</td>
</tr>
<tr>
<td></td>
<td>$60</td>
<td>ART 4651, 4655, 4659</td>
</tr>
<tr>
<td></td>
<td>$65</td>
<td>ART 2656</td>
</tr>
</tbody>
</table>
Once approved, these fees will be billed to and collected from students with tuition and other fees through the Automated Billing System and the Treasurer's Information System. The fees will also be included in the course descriptions in the class catalogs. With the implementation of this new procedure for billing and collecting the course fees the University is assured that all the fees are being assessed and collected in accordance with University policies and procedures.

Thank you for your consideration of this request.

Jerry J. Baudin
Vice Chancellor for Finance and Administrative Services

cc: Dr. Risa Palm, Provost
David Cronrath, Dean
School of Art
Executive Vice President Silvia
Hello Gil,

The College of Art & Design forwarded the course fee information to correct the descriptions in the catalog. Please see the email below from Elizabeth Duffy that explains the intent of the information. There should not have been a request to increase course fees included with the information, that issue has already been addressed. Should you have any questions please contact Elizabeth or me.

Tommy

From: Elizabeth M Duffy
Sent: Tuesday, June 10, 2014 8:21 AM
To: Tommy Smith
Cc: Helen B Reaux
Subject: RE: Art 4994 - request to increase fee

Tommy,

We are not requesting any increases. After our meeting I went through the course catalog again and pulled all courses that needed their description changed. Lynne Baggett (Art Curriculum Committee Chair) then processed the paperwork to get the descriptions changed.

Yes, we have been collecting fees for ART 4994, but the language in the course catalog was wrong. This is part of the large scale clean up that I have been doing in Art. Lynne shouldn’t have included page 3 of that document. I can only guess she did to show the expenses that are associated with the course.

I have attached my working spreadsheet for the Art courses that are offered showing the ones with approved fees. You can also see the courses that needed work done in the catalog.

This is strictly clean-up of the language in the catalog.

Hope this helps and sorry for the confusion. Page 3 should be deleted.

Elizabeth M. Duffy
Business Manager
LSU College of Art + Design
102 Design Bldg
Baton Rouge, LA 70803
225-578-5864
eduffy@lsu.edu
From: Tommy Smith  
Sent: Monday, June 09, 2014 1:08 PM  
To: Elizabeth M Duffy  
Cc: Helen B Reaux  
Subject: FW: Art 4994 - request to increase fee

Hello Elizabeth,

Please see the attached request for a fee increase. Is this one of the course fee increases that was presented to Academic Affairs recently? As we discussed, if this is a course fee increase it would require Louisiana Legislative approval, and the Provost has already approved funding to the College in lieu of fee increases. Please review and let me know what the intent is of this request.

Thanks,
Tommy

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From: Tgilmour Reeve  
Sent: Monday, June 09, 2014 12:29 PM  
To: Tommy Smith  
Cc: Janet E Newhall  
Subject: Art 4994 - request to increase fee

Tommy,

The attached curriculum materials are from the School of Art. They are requesting that the course description include the following statement “Students are responsible for studio fee associated with course.” As indicated in the attached materials, President Jenkins approved fees for School of Art courses in January 2005. ART 4994 was included in the list of approved courses. However, the fees were never applied to this course.

They are asking for two things: (1) that the fee, approved in 2005, be applied to ART 4994; and (2) that the fee be increased from $75 to $100.

Is it correct that we’ve not been collecting this fee for the ART 4994 course? If we’ve not collected this fee previously, can the original fee be applied now? Or do we need to request an approval now?

What is needed to increase the studio fee from $75 to $100?

Thanks,

Gil

T. Gilmour Reeve, Ph.D.  
Vice Provost for Academic Programs, Planning, and Review  
156 Thomas Boyd Hall  
Louisiana State University  
Baton Rouge, LA 70803  
Phone: 225-578-6610  
Fax: 225-578-5980  
Cell: 225-241-2191