Course Information

Date Submitted: 1/2/2013

Current Prefix and Number: CS - Computer Science , CS 395 - INDEPENDENT WORK IN CS

Other Course:

Proposed Prefix and Number:

What type of change is being proposed?

Major Change

Should this course be a UK Core Course? No

1. General Information

a. Submitted by the College of: College of Engineering

b. Department/Division: Computer Science

c. Is there a change in 'ownership' of the course? No

If YES, what college/department will offer the course instead: Select...

e. Contact Person

Name: Jerzy W. Jaromczyk

Email: jurek@cs.uky.edu

Phone: 257-1186

Responsible Faculty ID (if different from Contact)

Name:

Email:

Phone:

f. Requested Effective Date

Semester Following Approval: Yes OR Effective Semester:

2. Designation and Description of Proposed Course

a. Current Distance Learning (DL) Status: N/A

b. Full Title: INDEPENDENT WORK IN COMPUTER SCIENCE

Proposed Title: same

c. Current Transcript Title: INDEPENDENT WORK IN CS

Proposed Transcript Title: Same

d. Current Cross-listing: none

Proposed – ADD Cross-listing :

Proposed – REMOVE Cross-listing:

e. Current Meeting Patterns

Proposed Meeting Patterns

INDEPSTUDY: 1-2

f. Current Grading System: ABC Letter Grade Scale

Proposed Grading System: PropGradingSys

g. Current number of credit hours: 2

Proposed number of credit hours: 1-2

h. Currently, is this course repeatable for additional credit? Yes

Proposed to be repeatable for additional credit? Yes

If Yes: Maximum number of credit hours: 4

If Yes: Will this course allow multiple registrations during the same semester? No

2i. Current Course Description for Bulletin: A course for computer science majors only. A problem, approved by the chairperson of the department, provides an opportunity for individual research and study. May be repeated to a maximum of six credits.

Proposed Course Description for Bulletin: A course for computer science majors only. A topic, approved by the chairperson of the department, provides an opportunity for supervised individual research and study. May be repeated to a maximum of four credits.

2j. Current Prerequisites, if any: Prereq: Major and standing of 3.0 in the department and consent of instructor.

Proposed Prerequisites, if any: Consent of instructor.

2k. Current Supplementary Teaching Component:

Proposed Supplementary Teaching Component:

3. Currently, is this course taught off campus? No

Proposed to be taught off campus? No

If YES, enter the off campus address:

4. Are significant changes in content/student learning outcomes of the course being proposed? No

If YES, explain and offer brief rational:

5a. Are there other depts. and/or pgms that could be affected by the proposed change? No

If YES, identify the depts. and/or pgms:

5b. Will modifying this course result in a new requirement of ANY program? No

If YES, list the program(s) here:

6. Check box if changed to 400G or 500: No

Distance Learning Form

Instructor Name:

Instructor Email:

Internet/Web-based: No

Interactive Video: No

Hybrid: No

1.How does this course provide for timely and appropriate interaction between students and faculty and among students? Does the course syllabus conform to University Senate Syllabus Guidelines, specifically the Distance Learning Considerations?

2.How do you ensure that the experience for a DL student is comparable to that of a classroom-based student's experience? Aspects to explore: textbooks, course goals, assessment of student learning outcomes, etc.

3.How is the integrity of student work ensured? Please speak to aspects such as password-protected course portals, proctors for exams at interactive video sites; academic offense policy; etc.

4.Will offering this course via DL result in at least 25% or at least 50% (based on total credit hours required for completion) of a degree program being offered via any form of DL, as defined above?

If yes, which percentage, and which program(s)?

5.How are students taking the course via DL assured of equivalent access to student services, similar to that of a student taking the class in a traditional classroom setting?

6.How do course requirements ensure that students make appropriate use of learning resources?

7.Please explain specifically how access is provided to laboratories, facilities, and equipment appropriate to the course or program.

8.How are students informed of procedures for resolving technical complaints? Does the syllabus list the entities available to offer technical help with the delivery and/or receipt of the course, such as the Information Technology Customer Service Center (http://www.uky.edu/UKIT/)?

9.Will the course be delivered via services available through the Distance Learning Program (DLP) and the Academic Technology Group (ATL)? NO

If no, explain how student enrolled in DL courses are able to use the technology employed, as well as how students will be provided with assistance in using said technology.

10.Does the syllabus contain all the required components? NO

11.I, the instructor of record, have read and understood all of the university-level statements regarding DL.

Instructor Name:

SIGNATURE|KCROUCH|Kathryn F Crouch|Dept approval for ZCOURSE_CHANGE CS 395|20121022

SIGNATURE|KCROUCH|Kathryn F Crouch|College approval for ZCOURSE_CHANGE CS 395|20121022

SIGNATURE|JMETT2|Joanie Ett-Mims|Undergrad Council approval for ZCOURSE_CHANGE CS 395|20121022

Lexington 18 December 2012

To: Undergraduate Council
RE: Major change in CS395

This note is in response to the request from the Undergraduate Council to provide a brief explanation as to why a reduction is being made to the maximum number of credit hours that can be earned with this course (reduced from 6 to 4).

There are two related reasons for the proposed reduction. First of all, to reflect the range of sizes and scopes of independent study projects, we have changed CS 395 from a two credit-hour course to a variable (one to two) credit-hour course. Thus it will still be possible for students to take the course three (or even four) times.

Second, other similar options, such as co-operative learning (EGR 399) and community-based learning (EGR 390), are available to our students. Likewise, frequently scheduled and very popular with our students, structured special topics courses such as CS 485G offer a natural next step for developing student interests. These courses approach topics and projects from different perspectives and as such offer valuable experiences to our students. Limiting the maximum number of credit hours for CS 395 will encourage students to "step outside their comfort zone" by taking one of these other courses, thereby broadening their education.

Jerzy W. Jaromczyk <jurek@cs.uky.edu>
DUS
Computer Science

CS 395
Independent work in Computer Science

Instructor: Computer Science Faculty
Office Address: 102 Marksbury Building
Email: calvert@cs.uky.edu
Office Phone: (859) 257-3961

Office hours: TBD

Course Description:

A course for computer science majors only. A problem, approved by the chairperson of the department, provides and opportunity for individual research and study. May be repeated to a maximum of four credits.

Prerequisites: Consent of instructor
Credits: 1-2

Student Learning Outcomes:

Successful students will:

** analyze needs that can be addressed with computing solutions;*

** learn to apply and integrate computer science fundamentals and knowledge to develop and evaluate solutions to practical computing problems;*

** learn to communicate technical and non-technical design, solution and implementation issues;*

** broaden their understanding of social and ethical implications of computing and their impact on the society.*

Course goals or objectives: This course will allow students to acquire a deeper understanding and skills of more specialized topics and interests. Specific outcomes will vary depending on the nature of the independent work performed. Students are required to document their objectives and define the scope of an independent study.

Required Materials:

Software design manuals. Resources available on-line. Journal papers.

Description of Course Activities and Assignments

Course activities will consist of regular weekly meetings, independent study and secondary research, preparing progress reports and an a final technical report, and will typically include implementation and documentation of a software application or its component.

Course Assignments

Written progress reports: 20% total
Oral presentation: 20%
Programming project: 25%
Final presentations and report: 25%
Attendance (meetings): 10%

Summary Description of Course Assignments

Written progress reports and oral presentations will include: information on meetings with community leaders; identifying the computational problem and its solution requirements; analyzing the problem and discussing alternative solutions. There will be a major programming assignment to implement a software application or a component or a module for a larger application. The final presentation and report will serve to demonstrate the implemented solution and identified future tasks.

Course Grading

Grading scale:

85-100% = A
65-84% = B
50-64% = C
40-49% = D
0-39% = E

Final Exam Information

Final presentation scheduled in the final week.

Mid-term Grade

Mid-term grades will be posted in myUK by the deadline established in the Academic Calendar (http://www.uky.edu/Registrar/AcademicCalendar.htm)

Tentative Course Schedule

1. Initial meetings to understand needs and collect requirements.
2. Discussion of the problem and specifications.
3. Designing and evaluating potential solutions.
4. Development and implementation.
5. Testing and deployment of the implemented application.

Submission of Assignments:

Regularly scheduled meetings. Reports should be submitted on-line. Development should follow the software engineering practices and use source repository for all relevant code and documents.

Attendance Policy.

Attendance at the meetings, timely submission of reports is required and counts for 10% of the final grade.

Excused Absences:

Students need to notify the professor of absences prior to class when possible. S.R. 5.2.4.2 defines the following as acceptable reasons for excused absences: (a) serious illness, (b) illness or death of family member, (c) University-related trips, (d) major religious holidays, and (e) other circumstances found to fit "reasonable cause for nonattendance" by the professor.

Students anticipating an absence for a major religious holiday are responsible for notifying the instructor in writing of anticipated absences due to their observance of such holidays no later than the last day in the semester to add a class. Information regarding dates of major religious holidays may be obtained through the religious liaison, Mr. Jake Karnes (859-257-2754).

Students are expected to withdraw from the class if more than 20% of the classes scheduled for the semester are missed (excused or unexcused) per university policy.

Verification of Absences:
Students may be asked to verify their absences in order for them to be considered excused. Senate Rule 5.2.4.2 states that faculty have the right to request "appropriate verification" when students claim an excused absence because of illness or death in the family. Appropriate notification of absences due to university-related trips is required prior to the absence.

Academic Integrity:
Per university policy, students shall not plagiarize, cheat, or falsify or misuse academic records. Students are expected to adhere to University policy on cheating and plagiarism in all courses. The minimum penalty for a first offense is a zero on the assignment on which the offense occurred. If the offense is considered severe or the student has other academic offenses on their record, more serious penalties, up to suspension from the university may be imposed.

Plagiarism and cheating are serious breaches of academic conduct. Each student is advised to become familiar with the various forms of academic dishonesty as explained in the Code of Student Rights and Responsibilities. Complete information can be found at the following website: http://www.uky.edu/Ombud. A plea of ignorance is not acceptable as a defense against the charge of academic dishonesty. It is important that you review this information as all ideas borrowed from others need to be properly credited.

Part II of *Student Rights and Responsibilities* (available online http://www.uky.edu/StudentAffairs/Code/part2.html) states that all academic work, written or otherwise, submitted by students to their instructors or other academic supervisors, is expected to be the result of their own thought, research, or self-expression. In cases where students feel unsure about the question of plagiarism involving their own work, they are obliged to consult their instructors on the matter

before submission.

When students submit work purporting to be their own, but which in any way borrows ideas, organization, wording or anything else from another source without appropriate acknowledgement of the fact, the students are guilty of plagiarism. Plagiarism includes reproducing someone else's work, whether it be a published article, chapter of a book, a paper from a friend or some file, or something similar to this. Plagiarism also includes the practice of employing or allowing another person to alter or revise the work which a student submits as his/her own, whoever that other person may be.

Students may discuss assignments among themselves or with an instructor or tutor, but when the actual work is done, it must be done by the student, and the student alone. When a student's assignment involves research in outside sources of information, the student must carefully acknowledge exactly what, where and how he/she employed them. If the words of someone else are used, the student must put quotation marks around the passage in question and add an appropriate indication of its origin. Making simple changes while leaving the organization, content and phraseology intact is plagiaristic. However, nothing in these Rules shall apply to those ideas which are so generally and freely circulated as to be a part of the public domain (Section 6.3.1).

Please note: Any assignment you turn in may be submitted to an electronic database to check for plagiarism.

Accommodations due to disability:
If you have a documented disability that requires academic accommodations, please see me as soon as possible during scheduled office hours. In order to receive accommodations in this course, you must provide me with a Letter of Accommodation from the Disability Resource Center (Room 2, Alumni Gym, 257-2754, email address: jkarnes@email.uky.edu) for coordination of campus disability services available to students with disabilities.