

Course Proposals

List of all proposals

Course Name: Project Management

Course Prefix: CS

Course Number: 2400

Submitted by (Name & E-Mail): Brian Rague, brague@weber.edu

Current Date: 1/28/2013

College: Applied Science & Technology

Department: Computer Science

From Term: Fall 2013

Substantive

new Current Course Subject N/A
Current Course Number

New/Revised Course Information:

Subject: CS Check all that apply:
*This is for courses already approved for gen ed.
Use a different form for proposing a new gen ed designation.*

Course Number: 2400 DV CA HU LS PS SS
 EN AI QL TA TB TC TD TE

Course Title: Project Management

Abbreviated Course Title: Proj. Mgmt.

Course Type: LEC

Credit Hours: 3 or if variable hours: to

Contact Hours: Lecture 3 Lab Other

Repeat Information: Limit 0 Max Hrs 0

Grading Mode: standard

This course is/will be: a required course in a major program
 a required course in a minor program
 a required course in a 1- or 2- year program
 elective

Prerequisites/Co-requisites:

Course description (exactly as it will appear in the catalog, including prerequisites):

Strategies and techniques for managing a project from inception to completion to meet all schedule, cost, and technical objectives. Knowledge and skills learned in this course prepare students to perform successfully the role of a project manager in any construction, engineering, health, information technology, business, or research and development project, although emphasis will be on project management applied to Software Engineering. Topics include organizational structures, project planning and evaluation, cost estimating, quantitative methods in schedule and cost management, project information systems, communication skills, and conflict resolution.

Justification for the new course or for changes to an existing course. (Note: Justification should emphasize academic

rationale for the change or new course. This is particularly important for courses requesting upper-division status.)

The current MGMT2400 course is instructed solely by Computer Science (CS) faculty and the vast majority of enrolled students are CS majors. For the CS AAS programs in the 2011 and 2012 catalog years, MGMT2400 is a required class. In addition, the Business Administration Department has recently expressed a strong interest in moving the MGMT2400 course to the CS Department as indicated in the attached email exchange between the chairs of each department. Since it is anticipated the Business Administration will delete MGMT2400 in the very near future, this new course proposal seeks to establish the existing Project Management class as a CS course, in part so that students enrolled in the AAS/BS CS degree programs for 2011 and 2012 can satisfy the course requirements of those programs.

INFORMATION PAGE
for substantive proposals only

1. Did this course receive unanimous approval within the Department?

true

If not, what are the major concerns raised by the opponents?

2. If this is a new course proposal, could you achieve the desired results by revising an existing course within your department or by requiring an existing course in another department?

No.

3. How will the proposed course differ from similar offerings by other departments? Comment on any subject overlap between this course and topics generally taught by other departments, even if no similar courses are currently offered by the other departments. Explain any effects that this proposal will have on program requirements or enrollments in other department. Please forward letters (email communication is sufficient) from all departments that you have identified above stating their support or opposition to the proposed course.

This course has been designed primarily for Computer Science students.

4. Is this course required for certification/accreditation of a program?

no

If so, a statement to that effect should appear in the justification and supporting documents should accompany this form.

5. **For course proposals**, e-mail a syllabus to Faculty Senate which should be sufficiently detailed that the committees can determine that the course is at the appropriate level and matches the description. **There should be an indication of the amount and type of outside activity required in the course (projects, research papers, homework, etc.).**

Please mail a signed approval page to the Faculty Senate Office, MA 210J, MC 1003.

Weber State University, Ogden, Utah 84408, (801) 626-6000
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COURSE PROPOSAL APPROVAL PAGE

CS 2400-
for Project Management (course title and number)

date submitted on-line 1/28/13

For () new course proposals the following must be completed by the Library bibliographer:

The WSU Library has adequate information resources to support this proposal.

Currently, the WSU Library does not have adequate information resources to support this course. However, if this proposal is approved, a Library bibliographer will work closely with departmental faculty to acquire the information resources needed. Funding for the new resources will come from the Library's budget.

Janice Kimlin 2/5/2013 WSU Librarian/Date
(Must be signed by the Library)

Approval Sequence:

Brian Rague 1/28/13
Department Chair/Date

Laura MacLeod 2/4/13
College Curriculum Committee/Date (Signature not needed on Experimental and Variable Title courses)

Program Director or ATE Director (if applicable)/Date

[Signature] 2/4/13
Dean of College/Date

Courses required in programs leading to teacher certification must be approved by the University Council on Teacher Education and by the Department of Teacher Education before being submitted to the Curriculum and General Education Committee.

University Council on Teacher Education/Date

Department of Teacher Education/Date

University Curriculum Committee/Date

Passed by Faculty Senate _____ Date

CS 2400 Project Management

Fall 2012 - CRN 33052

- Instructor:** Ted Cowan
- Phone:** 801-957-4769 (office @SLCC Redwood)
Office hours @SLCC Redwood: Mondays, Wednesdays and Thursdays, 1pm-4pm by appointment only.
- E-Mail:** tedcowan@weber.edu
- Textbook:** Project Management, The Managerial Process, 5e
(ISBN: 978-0-077-42692-7, Gray and Larson)
- Location:** Online, at <https://weber.instructure.com/courses/181784>
- Course Description:** Strategies and techniques for managing a project from inception to completion to meet all schedule, cost, and technical objectives. Knowledge and skills learned in this course prepare students to perform successfully the role of a project manager in any construction, engineering, health, information technology, business, or research and development project, although emphasis will be on project management applied to Software Engineering. Topics include organizational structures, project planning and evaluation, cost estimating, quantitative methods in schedule and cost management, project information systems, communication skills, and conflict resolution.
- Course Objectives:** By the end of the semester, students will be instructed on how to:
- Define project management
 - Describe culture, organization culture and how they impact project management
 - Create a Project Charter and a Work Breakdown Structure
 - Create a network diagram and identify the critical path
 - Estimate project costs
 - “Crash” a project to shorten the schedule
 - Define risk and write a risk management plan
 - Assign and level resources
 - Calculate earned value
 - Create a Work Breakdown Structure, assign resources and generate reports in Microsoft Project
 - Describe the attributes of an effective leader
 - Describe the five stages of team performance and define what impacts team performance
 - Define the advantages and disadvantages of outsourcing and describe the process of effective negotiation
 - Create an effective status report
 - Define the attributes, roles and processes of Agile Project Management and contrast it with plan-based project management.

Students with Disabilities:

Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in room 181 of the Student Services Center on the Weber State Ogden campus. SSD can also arrange to provide course materials (including this syllabus) in alternative formats if necessary. SSD's home page is located at <http://www.weber.edu/ssd>.

Allocated Time:

You should anticipate spending two to three hours of study per week for each credit hour of a university course.

Class Format:

Class will consist of video recordings, online discussion, quizzes and homework on the chapter assigned that week. It is expected that students will have read the covered chapters, participate in the group discussions and complete the individual homework and quizzes independently. A case study is assigned each week, which you are to complete as a project group.

You must take and pass with 100% the Getting Started Quiz before you will be able to move forward with the rest of the course. You may take it as often as necessary but plan to complete it immediately as there are assignments due the end of the first week that you cannot access until you complete the Getting Started Quiz with a score of 100%.

The class is organized around learning modules, assigned weekly and available on or before Monday mornings at 8:00am Mountain Time. The assignments are due the following Saturday at 11:59pm, with the exception of the final project and the weekly discussions (see below).

This syllabus is subject to change during the semester to meet the needs of the class, such as (but not limited to) the addition or subtraction of quizzes and assignments and changing of due dates.

I will assign each student to a project group for the entire semester and unless there is a legal reason to do so, you will not be reassigned to a different group. Please learn to work together. If you joined the class late, please email me immediately for a discussion group assignment.

An Instructor's Blog will be available for students to ask general questions related to the class. Please ask all non-private questions there. You may email me private questions, regarding your grade or other private matters. I cannot answer questions about your grades over the phone. Please use your Weber State email account when making inquiries about grades. However, I will ignore any general questions asked in my email that should be asked in the Instructor's Blog.

Assignments:

Grading of each assignment is based on a grading form (aka a rubric), which outlines the grading criteria for each assignment. Review and follow it carefully so your assignments are eligible for the highest possible grade.

Individual assignments and quizzes are to be completed individually.

Group assignments are to be completed as a group with participation

from each group member. Organize yourselves and nominate a group leader for each assignment and rotate that group leadership role each week. That week's group leader is responsible for submitting the assignment as instructed prior to the deadline. If the assignment is submitted late (for any reason), the entire group will receive a zero for the assignment. Please plan accordingly and COMMUNICATE. Group assignments are to be submitted by the group leader and all participating group members receive the same grade. When submitting each assignment, report by name any group members did NOT participate in that particular assignment; they will receive a zero for that assignment.

Quizzes are available on the Monday of the week assigned and should be completed individually by 11:59pm the following Saturday. Quizzes are open book. You are on the honor system.

Discussions are weekly assignments on a certain topic, usually directly related to the chapter assigned that week. To obtain a perfect score, post three times to each discussion group each week and make your first post by the FIRST Wednesday, two days after the learning module is assigned. Post at least two more times prior to the following Saturday at 11:59pm.

Extra Credit: No extra credit will be offered for this course. Your lowest group case study, quiz and discussion scores will be dropped.

Late Assignments: Late assignments, discussion posts and quizzes may be submitted but the student and group will receive neither credit nor feedback.

Honesty: Cheating is defined in the Student Code (section 6.22 of the WSU PPM). Any verifiable evidence of student academic cheating, as defined and determined by the instructor, will result in: 1) an automatic failing grade for the class and 2) a report to the Dean of Students that will include the student's name and a description of the student's dishonest conduct.

Grading:

	Points	Total
Assignments	100 each	30%
Quizzes	100 each	15%
Discussion Forums	100 each	25%
Final Project	100 total	30%

Final Project: There will be a Final Project in place of a final exam and ample time will be given in order to complete the project. The Final Project is a group assignment. The final project is a single report consisting of five parts. To assist you in doing your best work, I will grade the first four

parts and provide your group feedback that you should follow in the creation of the final report. The grades of the first four parts do not count towards your final grade. Only the final submission is graded for credit. As your group submits the final combined assignment, identify any non-participants in the document on the title page.

Letter Grades:

$Total \geq 94\%$	... A	$74\% \leq Total < 77\%$	... C
$90\% \leq Total < 94\%$	... A-	$70\% \leq Total < 74\%$	... C-
$87\% \leq Total < 90\%$	... B+	$67\% \leq Total < 70\%$	... D+
$84\% \leq Total < 87\%$	... B	$64\% \leq Total < 67\%$	... D
$80\% \leq Total < 84\%$	... B-	$60\% \leq Total < 64\%$	... D-
$77\% \leq Total < 80\%$	... C+	$Total < 60\%$	... E

Incompletes can only be given in extraordinary circumstances.

Class Schedule & Study Guide

Week of	Topic	Chapters/Assignment
Jan 07	Group Introductions and Discussion Syllabus and Final Project Modern Project Management	Chapter 1 Getting Started Quiz, Case Study 1, Quiz 1 Chapter 1 Discussion
Jan 14	Organizational Strategy and Project Selection	Chapter 2 Case Study 2, Quiz 2 Chapter 2 Discussion
Jan 21	Organization Structure	Chapter 3 Case Study 3, Quiz 3 Chapter 3 Discussion
Jan 28	Defining the Project Project Assignment	Chapter 4 Case Study 4, Quiz 4 Chapter 4 Discussion
Feb 04	Estimating Project Time and Costs	Chapter 5, Microsoft Project Overview Case Study 5, Quiz 5 Chapter 5 Discussion
Feb 11	Developing a Project Plan	Chapter 6 Case Study 6, Quiz 6 Chapter 6 Discussion
Feb 18	Risk	Chapter 7 Case Study 7, Quiz 7 Chapter 7 Discussion
Feb 25	Scheduling Resources	Chapter 8 Case Study 8, Quiz 8 Chapter 8 Discussion
Mar 04	SPRING BREAK	

Mar 11	Reducing Project Duration	Chapter 9 Case Study 9, Quiz 9 Chapter 9 Discussion
Mar 18	Leadership	Chapter 10 Case Study 10, Quiz 10 Chapter 10 Discussion Final Project Part 1
Mar 25	Managing Project Teams	Chapter 11 Case Study 11, Quiz 11 Chapter 11 Discussion Final Project Part 2
Apr 01	Outsourcing	Chapter 12 Case Study 12, Quiz 12 Chapter 12 Discussion Final Project Part 3
Apr 08	Progress and Performance Management	Chapter 13 Appendix 13.1 – Group, Quiz 13 Chapter 13 Discussion Final Project Part 4a
Apr 15	Introduction to Agile Project Management	Chapter 17 Chapter 17 Discussion
Apr 22	Final Project Work	End of Semester Discussion Final Project Due (All Parts Combined) Peer Evaluations

[Print this page](#)

Re: CS Program Update

From: Michael Stevens
To: Brian RAGUE
Date: Wednesday - October 17, 2012 12:01 PM
Subject: Re: CS Program Update

Hi, Brian,

The Business Administration department would be fully supportive of your proposed curriculum changes for MGMT 2400 (i.e., to change it from required to elective).

In fact, the Business Administration department would like to encourage you to think about possibly migrating this course from a MGMT to a CS designation, since it is fully staffed by CS faculty and managed by your department on behalf of CS programs and students. It seems that interfacing with the BA department to deliver this course does not add any value to the process.

Please let me know if you have any questions or would like to discuss further.

Best regards.

Michael J. Stevens, Ph.D.
Professor of Management
Dept. Chair, Business Admin.
mjstevens@weber.edu
(801) 626-8099

>>> Brian RAGUE 10/17/2012 10:49 AM >>>
Hi Michael,

We are examining our AAS and BS program in light of our upcoming accreditation visit, and would like to make a few refinements to our curriculum.

One of these involves moving MGMT 2400 from a required course to an elective for our

AAS. The course was introduced specifically for our program in our last curriculum change two years ago and is taught solely by CS faculty to an audience of all CS students -- so the course does not impact students in the Business Administration program in any way. Over the last two years, faculty have discovered and students have reported that many of the topics covered in 2400 are repeated in our core software engineering courses CS2450 and CS3750. We are trying to establish quicker pathways for our students to graduate, a directive issued by our program review and our accreditation body.

I wanted to keep you informed of our intended curriculum change, and would very much appreciate a reply acknowledging this message. Certainly feel free to contact me if you have any questions.

Thanks,
Brian
CS Dept. Chair

Michael J. Stevens, Ph.D.
Professor of Management
Dept. Chair, Business Admin
mjstevens@wpi.edu
(801) 526-8088

From: Brian RAJULI [mailto:brajul@wpi.edu]
Sent: Wednesday, July 26, 2012 1:00 PM

Hi Michael,

I do remember our conversation and I presented the idea to the CS faculty at our most recent faculty meeting. They all agreed that we could migrate the class to CS.

Given this go ahead from faculty, I am planning to submit a Curriculum committee proposal to give the course a CS designation. My expectation is that it should go through, but it's always tricky to predict these things.

For the fall, we will plan to use our variable title class to take the place of MGMT3400 until the proposed class gets approved. By doing this, you won't have MGMT3400 listed on your class schedule for the fall.

Let me know if this works for you.

Thanks,
Brian

From: Michael Stevens [mailto:mjstevens@wpi.edu]
Sent: Thursday, July 26, 2012 3:20 PM

Hi Brian,

I hope your semester's going well. I am already starting to put together my class schedule for fall 2012.

Re: MGMT 2400 course for Fall 2013
From: Michael Stevens
To: Brian RAGUE
Date: Tuesday - January 22, 2013 8:27 PM
Subject: Re: MGMT 2400 course for Fall 2013

I am hopeful that you'll be able to get your proposed course through the approval process without any glitches. Given that the class is already in place, and we're only swapping out the departmental designation from MGMT to CS, it should be fine, but it's never done until it's done!

Thanks.

Michael J. Stevens, Ph.D.
Professor of Management
Dept. Chair, Business Admin.
mjstevens@weber.edu
(801) 626-8099

>>> Brian RAGUE 1/17/2013 1:00 PM >>>
Hi Michael,

I do remember our conversation and I presented the idea to the CS Faculty at our most recent faculty meeting. They all agreed that we could migrate the class to CS.

Given this go ahead from faculty, I am planning to submit a Curriculum committee proposal to give the course a CS designation. My expectation is that it should go through, but it's always tricky to predict these things.

For the Fall, we will plan to use our variable title class to take the place of MGMT2400 until the proposed class gets approved. By doing this, you won't have MGMT2400 listed on your class schedule for the Fall.

Let me know if this works for you.

Thanks,
Brian

>>> Michael Stevens 01/16/13 3:20 PM >>>

Hi, Brian,

I hope your semester's going well. I am already starting to put together my class schedule for fall 2013

and wanted to make sure we are on the same page regarding the MGMT 2400 - Project Management course.

As you may recall, we had exchanged a few emails in November about the idea of having your department take this Project Management course in house with a CS designation. Because of recent changes in our accreditation standards, we would have a very difficult time including MGMT 2400 in next fall's schedule, and I want to make sure that we don't leave you hanging. My guess is that you would likely need to submit a new course proposal to the faculty senate before next month's deadline, but I'm certain you would know better than I what would be required.

In any case, I'm happy to provide any needed support for this transition.

Best regards.

Michael J. Stevens, Ph.D.
Professor of Management
Dept. Chair, Business Admin.
mjstevens@weber.edu
(801) 626-8099

>>> Brian RAGUE 11/2/2012 1:56 PM >>>
Michael and David,

Moving 2400 to CS will not be an issue for our department, but I will just need to run it by faculty. As soon as I get the okay, I can put the different designation in motion through the curriculum committees.

