

• AUTHORIZATION TO OFFER TOPICS COURSES FOR ACADEMIC CREDIT THROUGH EXTENDED STUDIES •

(Note: Extended Studies sections of topic classes for which the appropriate form E-T is not on file in the Office of Academic Programs will be removed from BANNER as periodic audits of course offerings are performed.)

Note: Any proposed topic can only be offered two times before being converted to a non-topics course. Academic Programs will assign the appropriate suffix and edit the topic description provided.

1. College of: College of Business Administration 2. Center/Program/Department: Department of Information Systems & Operations Management

3. Instructor Yi Sun  
(If more than one instructor will be teaching the course, list full name of the "instructor of record.")

4. Topic Abbreviation and Number: MIS 482-2 Mobile Project Development 5. Grading Method: Exam

6. Term: Spring 7. Year: 2013 8. Variable Units\* 2

9. Has this topic been offered previously?  Yes  No If yes, indicate term(s) Spring Year 2012

10. Topic Title Mobile Project Development

11. Topic Description: Note: This part can be skipped if answer to part 9 is "yes." (NOTE: Please provide detailed information about the topic. Please type. You may also attach the topic description on a separate sheet if you do not have enough space.

The emergence of a new generation of highly capable mobile devices and platforms such as the Apple iPhone and Google Android have opened up many business opportunities. This course will introduce students to the general concept of mobile application development environment. Students will learn to identify new business opportunities in mobile computing and study the process and guidelines to design and develop new mobile applications. They will also practice efficient teamwork and strong management in order to work successfully in a project environment and accomplish project objectives by explaining concepts and techniques. Coverage of the underlying theory will be coupled with hands-on exercise through the development of innovative solutions to practical problems by building mobile apps.

12. Does this topic have prerequisites? All business lower division classes

13. Does this topic have co-requisites? No.

14. Does the topic require consent for enrollment?  Yes  No  
 Faculty  Credential Analyst  Dean  Program/Center/Department - Director/Chair

15. Is topic crosslisted:  Yes  No If yes, indicate which course \_\_\_\_\_ and obtain signature in #18.

16. What resources are needed to offer this topic (including technology)? Windows or Mac computer lab

17. Justification for offering this topic.  
This course is part of the Information System Option Curriculum elective courses. It is a popular offering for many schools in the nation. This course is designed to prepare students to develop and manage business mobile projects.

\* Enter units only if this is a variable-units topic course.

18. Does this topic impact any other disciplines? Note: This number can be skipped if answer to part 9 is "yes."

\_\_\_\_ Yes  No    If yes, obtain signature(s). Any objections should be stated in writing and attached to this form.

\_\_\_\_\_  
Discipline                      Signature                      Date                      \_\_\_\_\_ Support      \_\_\_\_\_ Oppose

\_\_\_\_\_  
Discipline                      Signature                      Date                      \_\_\_\_\_ Support      \_\_\_\_\_ Oppose

19. Location (if topic not offered at main campus) \_\_\_\_\_

20. Is this course being offered on-line? \_\_\_\_ Yes       No


21. Is this a contract topic? \_\_\_\_ Yes       No

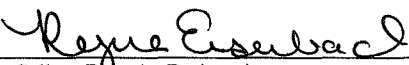
22. Enrollment Limit \_\_\_\_\_ 30 \_\_\_\_\_

23. Requested Bldg/Room \_\_\_\_\_  
*Please call Extended Studies first to reserve the room.*


**Please note: A separate Form E-T must be submitted for each section offered.**

SIGNATURES

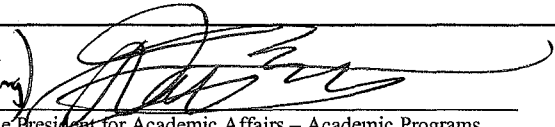
  
\_\_\_\_\_  
1. Program/Center/Department - Director/Chair                      1/9/2013  
Date

  
\_\_\_\_\_  
2. College Dean (or Designee)                      1/9/2013  
Date

The academic credentials of the instructor listed above are known to the Program/Center/Department (either regular faculty, or adjunct faculty with a curriculum vitae on file in the Program/Center/Department Office). The instructor is qualified to deliver the topic as described in part 9 (or on a previous Form T or Form E-T in the case of a topic that has already been offered).

  
\_\_\_\_\_  
3. Dean of Extended Studies (or Designee)                      1/10/13  
Date

Completed form received in the Office of Extended Studies

*(2nd offering)*  
  
\_\_\_\_\_  
4. Associate Vice President for Academic Affairs - Academic Programs                      1/22/13  
Date

Mobile Project Development  
**Spring 2012**

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**Suggested Textbook:**

Systems Analysis & Design (8<sup>th</sup> edition) by Kenneth Kendall and Julie Kendall,  
Prentice Hall, 2010. ISBN 978-0136089162

Jeffrey Pinto, "Project Management, Achieving Competitive Advantage," 2nd Edition,  
Prentice Hall Publication, 2009, ISBN: 978-0136065616.

**Course Description:**

This course will introduce students to the general concept of mobile computing, mobile application development environment and management of mobile project. Students will study the process and guidelines to design and develop new mobile applications. They will practice efficient teamwork and strong management in order to work successfully in a project environment and accomplish project objectives by explaining concepts and techniques. A successful project requires efficient teamwork and strong management. This course provides students with skills to work successfully in a project environment and accomplish project objectives by explaining concepts and techniques. Real-world mobile computing projects are used to show how these techniques can be efficiently implemented in practice. Coverage of the underlying theory will be coupled with hands-on exercise through the development of innovative solutions to practical problems by building mobile applications.

**Course Objectives:**

*On successful completion of this module, the student should be able to:*

1. Familiarize themselves with current technology and business practices in mobile system management.
2. Analyze the requirements and the development workflow of mobile applications.
3. Understand and differentiate the phases of the project life cycle.
4. Identify needs and soliciting proposals and develop proposals for solving a problem or addressing a need.
5. Determine planning and scheduling of a project, and understand schedule control and resource incorporation.
6. Estimate project costs, develop project budget, analyze project cost performance and, forecast total cost at a project completion.

**Grading Components and Letter Grades**

Students' final grades (100 base) is calculated as the sum of the following grades

- Class participation and preparation quizzes      10 points
- Test 1      25 points
- Test 2      25 points
- Group Project Report and Presentations      40 points
- 100 points

### Detailed Schedule

Theory and Practice	Project Application
Course Overview	Mobile Project and Platform
The Organizational Context: Strategy, Structure, and Culture	Case study: How Mobile Application Used To Advance Business Goals
Project Selection	How to select a Mobile Project
Leadership and the Project Manager, Scope Management	Analyze the Scope of the Mobile Project
Test 1	
Project Team Building	
Risk Management	Evaluate Cost and Budget of the Mobile Project
Cost Estimation and Budgeting	Estimate the cost of Mobile project
System Analysis	Mobile Application Modeling Flow and Requirement
System Design	Mobile App Design
User Interface and Functionality	Continue: Mobile Application Flow and Requirement
Scheduling	
Test 2	
Final exam week	Final Project Due