

College of Business Administration

MIS 182 Mobile Application Development

Course Schedule: Tuesday and Thursday 3:00PM to 4:15PM Tahoe Hall 1009

Disclaimer: This syllabus and the schedule of readings, assignments, and activities may be changed by the instructor in order to maximize student learning needs and meet the objectives of the courses.

I. Instructor Information

Instructor	Evren Eryilmaz
Office	TAH 2091
Office Hours	Tuesdays and Thursdays 2:00-3:30 pm, and by appointment
Office Phone	916-278-3889
E-mail	evren.eryilmaz@csus.edu

Email access is essential in communicating with the instructor and your peers. Please activate your CSUS e-mail account and log on to the SacCT course regularly.

This course is offered in a traditional learning format.

II. ACADEMIC LEARNING RESOURCES

Required Text:

Title: Android Programming: The Big Nerd Ranch Guide (3rd Edition) (Big Nerd Ranch Guides) 3rd Edition

Authors: Bill Phillips, Chris Stewart, Kristin Marsicano

Publisher: Big Nerd Ranch Guides; 3 edition (February 9, 2017)

ISBN-10: 0134706056

ISBN-13: 978-0134706054

Optional Text:

Title: Murach's Android Programming 2nd Edition

Authors: Joel Murach

Publisher: Mike Murach & Associates; 2 edition (December 11, 2015)

ISBN-10: 1890774936

ISBN-13: 978-1890774936

III. Business Concepts

Keywords: Mobile Application Development, Android Activities, Android Layouts, Android Intents, Gestures, Location Services, Database Connectivity

IV. INSTRUCTIONAL DESIGN

Course Description: Provides an introduction to the art and practice of mobile application development on the Android or iOS platform. Topics will include, but are not limited to, user interface design; user interface building; input methods; data handling; and location based services. Students will design and build a variety of applications throughout the course to reinforce learning and to develop real world competency.

Prerequisites: MIS 15

Course Learning Goals and Objectives:

1. Describe the design and architecture of a mobile application
 2. Design mobile application layouts
 3. Access database resources through mobile applications
 4. Integrate external resources through API calls
 5. Apply user-driven design towards mobile application development
 6. Synthesize and articulate ideas clearly and convincingly in oral and written forms
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V. CBA Program-Level Learning GOALS

Goal 1 Fundamental Business Knowledge

Competence based on fundamental business knowledge.

1.1 Demonstrate understanding of fundamental business theories, concepts, and skills.

1.2 Ability to analyze business information in performing business related tasks.

Goal 2 Integrative Business Competence

Business competence integrated with other business knowledge areas and ethical responsibility.

2.1 Ability to identify factors contributing to a managerial problem from a variety of business perspectives.

2.2 Enumerate the costs and benefits that potential solutions will have on the interdependent stakeholders of a firm.

Goal 3 Effective Business Communication

Business communication utilizing contemporary and classic communication techniques and methods.

3.1 Convey information in a variety of business settings.

3.2 Evaluate the efficacy of business communications.

Goal 4 Applied Business Capability

Ability to translate knowledge of business and management into practice.

4.1 Create effective business solutions that are both ethically sound and socially responsible.

4.2 Generate innovative and effective solutions for problem solving and decision making.

VI. Program and Course Level Assessment of learning

Program Learning Goals	Student Learning Outcomes	Assessment Strategy	Direct Assessment Measure
1,2,3	Think and work as a mobile application developer (best practices, work habits, tools, research)	In-class exercises, Assignments, Quizzes, Final Exam	Scoring guide
4	Design and develop mobile applications to solve business problems	Assignments, Quizzes	Scoring guide

VII. Grading Criteria, Guidelines, and Assignments

Course Grading: I will give a short quiz at the end of each chapter in the textbook and a final exam. Examination material will be drawn from the textbook reading, in-class hands-on activities, any other assigned readings, and class lectures and discussion. Emphasis will be placed on the conceptual understanding of the material and NOT on memorization. Understanding the application of the concepts will greatly enhance your grade.

No make-up examination will be given without the prior approval of the instructor. If you fail to take the exam, without valid documentation, I will prepare a different exam which you will take at 75% of its grade value.

Final grades will be assigned according to the total points you have obtained through exams and group homework assignments relative to the total possible number of points.

Assignment	Percentage
Homeworks	40%
Quizzes	35%
Final Exam	25%
Total	100

Your grade is also affected by the number of unexcused absences. You are allowed to have 3 unexcused absences. For each absence after your allowance, 10 points will be deducted. Note that absences are only excused for a valid reasons (health problems, jury duty etc.) and **MUST** be accompanied with documentation (i.e., health center note with a phone number to call for questions) provided within a week of returning to class.

Based on the total points, your grades will be assigned as follows:

Percent	Grade
90-100	A: (90-92.9%: A-; above 93%: A)
80-89	B: (80-82.9%: B-; 83-86.9%: B; 87~89.9%: B+)
70-79	C: (70-72.9%: C-; 73-76.9%: C; 77~79.9%: C+)
60-69	D: (60-62.9%: D-; 63-66.9%: D; 67~69.9%: D+)
0-59	F

The instructor reserves the right to modify the course grading scheme. Final grade can be changed only if a posting error has occurred per University policy.

VIII. WEEKLY OUTLINE: *The schedule of readings, assignments, and activities may be changed by the instructor in order to maximize student learning needs and meet the objectives of the course.*

IX. COURSE TIME COMMITMENT

Contact Hours and Assignments		Contact Hours
Face-to-face Lectures & Online Meetings		45 hours (3 unit course)
Out of Class	Homework Assignments	
	Reading Assignments	
	Group Project & Presentation	

	Exams	
Total Hours per Week	9-12 hours /week	6-9 hours per week

X. SACRAMENTO STATE ACADEMIC HONESTY POLICY AND REGULATIONS excerpt “Definitions of Academic Dishonesty” <http://www.csus.edu/umannual/student/STU-0100.htm>

Attendance policy. You are allowed to have 3 unexcused absences. For each absence after your allowance, 10 points will be deducted. Note that absences are only excused for a valid reasons (health problems, jury duty etc.) and **MUST** be accompanied with documentation (i.e., health center note with a phone number to call for questions) provided within a week of returning to class.

Cheating. At Sacramento State, cheating is the act of obtaining or attempting to obtain credit for academic work through the use of any dishonest, deceptive, or fraudulent means. Cheating at Sacramento State includes but is not limited to:

- Copying, in part or in whole, from another’s test or other evaluation instrument.
- Using crib notes, "cheat sheets," or any other device, including electronic devices not permitted by the instructor as an aid in writing an examination.
- Submitting work previously graded in another course unless doing so has been approved by the course instructor or by department policy.
- Submitting work simultaneously presented in more than one course, unless doing so has been approved by the respective course instructors or by the department policies of the respective departments.
- Altering or interfering with grading or grading instructions.
- Sitting for an examination by a surrogate, or as a surrogate.
- Any other act committed by a student in the course of his or her academic work that defrauds or misrepresents, including aiding or abetting in any of the actions defined above.

Plagiarism. Plagiarism, as a form of cheating, is the use of distinctive ideas or works belonging to another person without providing adequate acknowledgement of that person’s contribution. Regardless of the means of appropriation, incorporation of another’s work into one’s own requires adequate identification and acknowledgement. Plagiarism is doubly unethical because it deprives the author of rightful credit and gives credit to someone who has not earned it. Acknowledgement is not necessary when the material used is common knowledge. Plagiarism at Sacramento State includes but is not limited to:

- The act of incorporating into one’s own work the ideas, words, sentences, paragraphs, or parts thereof, or the specific substance of another’s work without giving appropriate credit thereby representing the product as entirely one's own. Examples include not only word-for-word copying, but also the "mosaic" (i.e., interspersing a few of one’s own words while, in essence, copying another’s work), the paraphrase (i.e., rewriting another’s work while still using the other’s fundamental idea or theory); fabrication (i.e., inventing or counterfeiting sources), ghost-writing (i.e., submitting another’s work as

one's own) and failure to include quotation marks on material that is otherwise acknowledged; and

- Representing as one's own another's artistic or scholarly works such as musical compositions, computer programs, photographs, paintings, drawing, sculptures, or similar works.

XI. ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES

Services to Students with Disabilities (SSWD) <http://www.csus.edu/sswd/> offers a wide range of support services and accommodations for students in order to ensure students with disabilities have equal access and opportunity to pursue their educational goals.

Services and accommodations are provided to students with visual, hearing, mobility impairments, specific learning disabilities, psychiatric disorders, and/or other types of disabilities. Students must submit medical or professional documentation prior to meeting with a counselor for a needs assessment and accommodation plan.

XII. STUDENT RESOURCES

1. CBA Tutoring Center – TAH 3067. Contact the Office of Student Engagement (TAH 1040) for tutoring schedules.
2. University Reading and Writing Center (URWC) - provides encouraging, focused, and non-judgmental one-to-one tutorials in reading and writing for any undergraduate or graduate student at CSUS. <http://www.csus.edu/writingcenter/>
3. The Peer and Academic Resource Center (PARC) - major services include Supplemental Instruction; Supplemental Instruction Plus, Workshops & Individual Tutorials; and Peer Led Advising for college Experiences. <http://www.csus.edu/parc/>

XIII. OTHER INFORMATION

Late and Make-up Policy: The general policy for this course is to require completion of assignments as specified in the class schedule. All assignments are due at the beginning of the class period. If the assignment is submitted after the beginning of the class, there will be a 5% deduction. If the assignment is submitted on the same day, but after class, there will be a 10% penalty. If the assignment is submitted within a week, there will be a 20% penalty. No late assignments will be accepted after 1 week. All assignments should be printed and stapled together with the cover letter statement (click for sample) on the top. If you have an emergency or other extenuating circumstances that will affect your ability to turn in an assignment or complete an exam, please contact me as soon as possible to discuss.

Incomplete: An incomplete grade (I) will only be issued in accordance to College of Business Administration policy. Among the conditions imposed by the instructor that must be met are: (1) a current passing grade (70 percent or better), (2) the successful completion of all prior assignments and exams, and (3) an unforeseen and unusual event beyond your control which prevents you from completing the semester, and can be documented and verified (employment-related events do not qualify). (4) An incomplete will only be considered after it has been

determined that a withdrawal (W) cannot be issued. If you do not meet (1) through (4), you do not qualify for an incomplete. As stipulated by the University, an incomplete cannot be assigned when it is necessary for the student to attend additional class meetings to complete the course requirements.

Unauthorized Withdrawal (WU) indicates that a student did not officially withdraw from the course but failed to complete it. Among the conditions imposed by the instructor that must be met are: (1) a passing grade (70 percent or better) at the time that the student stopped attending classes, (2) attendance stopped before the 11th week of the semester. If you do not meet (1) and (2), you do not qualify for an unauthorized withdrawal (WU) grade and as a result you will be assigned a failing (F) grade.

Laptop and cell phone regulation: No photographing, recording or text messaging is allowed without permission of the instructor.

A disruptive student is a student who engages in classroom behavior that interferes with the process of teaching and learning. If a student is disruptive to my class, I will follow the Procedures for dealing with incidents of disruptive behavior described in the DEALING WITH INCIDENTS OF DISRUPTIVE STUDENT BEHAVIOR IN THE CLASSROOM document <http://www.csus.edu/umannual/student/STU-0112.htm>.

SCHEDULE (Subject to Change)

Week	Topic
Week 1	<ul style="list-style-type: none"> • Orientation • Introduction to Android Application Development
Week 2	<ul style="list-style-type: none"> • Android Studio • Android Resources
Week 3	<ul style="list-style-type: none"> • User-Driven Design (Personas) • Android Resources Cont'd • Android MVC
Week 4	<ul style="list-style-type: none"> • Android Activities, Services and Broadcasting
Week 5	<ul style="list-style-type: none"> • Android Layouts, Fragments
Week 6	<ul style="list-style-type: none"> • Android Layouts, Fragments Cont'd
Week 7	<ul style="list-style-type: none"> • Use Case Diagramming • Android Intents
Week 8	<ul style="list-style-type: none"> • Android Intents Cont'd

Week 9	<ul style="list-style-type: none">• Android Gestures
Week 10	<ul style="list-style-type: none">• Android Gestures Cont'd
Week 11	<ul style="list-style-type: none">• RESTful APIs
Week 12	<ul style="list-style-type: none">• Location Services
Week 13	<ul style="list-style-type: none">• Location Services Cont'd
Week 14	<ul style="list-style-type: none">• Android Device Storage• Database Connectivity
Week 15	<ul style="list-style-type: none">• Database Connectivity Cont'd
Week 16	<ul style="list-style-type: none">• Final Exam