Division: Computer Science Information Technology
Course name: CSIT 912 Apple Application Development
Section: 8522 **/ Semester** Fall 2013

Instructor Name: Y. Yuen	**School Website: www.wlac.edu**
Class Hours: Saturday	**Address: 9000 Overland Ave., Culver City, CA 90230**
10:40 a.m. – 12:45 p.m. plus 1 hour online	**Room: CE103**
Office Hours: Saturday	**Instructor E-mail:yueny@wlac.edu**
9:40 a.m. – 10:40 a.m. in Room CE 101	

Important dates to remember:
Last day to drop class w/o a "W" is Sept 6, 2013
Last day to drop a class with a "W" is Nov 15, 2013

Welcome

This semester, you will work to understand and then develop Apple Applications to run on Apple devices such as iPhone, iPad and iPod Touch. The goal is for you to be a better iOS Cocoa programmer by the end of this course. The skills you learn here will help you succeed in creating some Apple applications. However, your education is ultimately YOUR responsibility. YOU determine your level of success. Successful college students are self-motivated. Successful college students understand the importance of studying the material, coming to class prepared and practicing skills learned. YOU CAN DO IT and I'm here to help. ☺

The following lists show all available Certificate programs currently offered in the CSIT department in our college.

CS Division Web Site   http://www.wlac.edu/CSIT with the following useful information:
Division Announcement – Scholarship and Internship Opportunities
CS Instructor Office Hour and Computer Lab Open Hour
Petition for Degree & Certificate
Petition for Prerequisite Challenge
Declare a Major – to be eligible for scholarship and internship
Discount Voucher for CompTIA A+ Network+ Security+ Linux+
Free Software Download (Windows 7, Server 2008, VMWare, Microsoft ACCESS and Visio Studio)
Requirement for AA/AS degree and Certificate of Achievement in the following :
   Degree and Certificate in Computer Science (10 major courses)
   Degree and Certificate in Computer Network and Security Management (10 major courses)
   Degree and Certificate in Computer Web Support and Database Administration (10 major courses)
   Certificate of Achievement in Computer Network Management (requires 6 courses)
   Certificate of Achievement in Information System Security (requires 6 courses)
   Certificate of Achievement in Business Application and Database Management (requires 6 courses)
   Certificate of Achievement in Web Support and Administration (requires 6 courses)

Please note that students must declare a major in order to become eligible for CS scholarship and internship opportunities. To declare a major, please obtain the form of change request from CS division website www.wlac.edu.csit click the link on the left menu.

By default, your instructor can be the faculty advisor; please see your instructor during the posted office hour OR you can make an appointment with the following fulltime faculty advisor:

Ashok Patil –Degree, transfer, and certificate in Computer Science- PatilA@wlac.edu
Anna Chiang-Degree, transfer and certificate in Computer Information Science/Computer Network and Security Management- ChiangA@wlac.edu
Marcus Butler-Microsoft, CISCO, VMWare training ButlerM@wlac.edu
Manish Patel-Degree and certificate in Web development and Database Admin- PatelM@wlac.edu

Course Description:

This course is designed to provide students the knowledge to program in Objective-C programming language using XCode IDE to develop and implement Apple iPhone, iPod and iPad applications. *Prerequisite: Any object-oriented language such as Java or C++, or with equivalent programming knowledge and experience. Students without object-oriented programming knowledge should take the Java and C++ prior to enroll in this class to avoid failure in this class.*

Required Texts:

Objective-C Programming (The Big Nerd Ranch Guide)
   by Aaron Hillegass
ISBN-10 : 0-321-70628-5
ISBN-13 : 978-0-321-70628-7

Cocoa Programming For Mac OS X (Fourth Edition)
   by Aaron Hillegass, Adam Preble
ISBN-10 : 0-321-77408-6
ISBN-13 : 978-0-321-77408-8

Recommended Materials:

There is enough related material located at http://developer.apple.com or you can search on Apple site http://www.apple.com/itunes/

Programming Machine:

Students can do their homework on every Saturday in the classroom.
For students who own Apple computers, they can also do homework on their own machines. The XCode Software (Version 4.4.1 or later) can be downloaded from the Apple web site. Before installing the XCode, the operating system must be updated to Mac OS X Version 10.7.4 or above.

For students who do not own an Apple computer, they can use the Apple computer located in CE101 lab. Please always make appointments with lab assistant Laurent Phung prior to your arrival at the lab. Laurent Phung can also be reached via PhungL@wlac.edu or call 310-287-4268 to arrange machine

time. Following are the CE101 lab schedule for this semester. The 3 lab machines will be upgraded to run Mac OS X 10.7.4 and Xcode 4.4.1 (or later).

Fall 2013 CE-101 lab hour
Monday, Thursday: 2:00pm-9:45pm
Tuesday, Wednesday: 2:30pm-9:45pm

Friday: closed
Saturday: 8:30 am-1:00 pm

Required Materials:

- 1 three ring binder
- 8 ½ x 11 notebook paper (plenty)
- ETUDES: If you are a first-time online student, please attend the orientation (see the top section of this syllabus). To log on to on-line class, go to **http://www.wlac.edu/online or http://www.myetudes.org where you will find links to on-line tutorial, login instructions and technical requirements. Click on** *course login*
    - Example: Juan Straub, 88-459-0210, birthday July 4
    - (User ID: first 2 letters of first name+ first 2 letters of last name+ last 5 number of student ID, password is birthday)
    - User ID: just90210
    - Password: 0704
    - After logging in, double click the course you are enrolled in. If you are a first-time on-line student, make sure your Browser settings are as follows:

- Tools->Internet Option-general->security setting->add www.wlac.edu/online and www.myetudes.org as trusted site.
- If you do not know your Student Identification Number you can look it up using the Student Information System (SIS) at http://www.laccd.edu.

If you have trouble accessing the course on, or after, the start date, visit the Online Student Help Desk at http://www.wlac.edu/online/helpdesk.asp . Click on Helpdesk Rules where your issue is likely addressed in the Frequently Asked Questions section. If not, post a message explaining the problem or contact the WLAC Distance Learning Program Office at (310)287-4305 or via email: shemwer@wlac.edu.

Student Objectives:

Upon successful completion of this course, students will be able to . . .
1. Describe what is Cocoa
2. Explain how to start and install XCode
3. Outline Objective-C language
4. Analyze Memory Management
5. Describe Target/Action
6. Describe Helper Objects
7. Explain Key-Value Coding and Key-Value Observing
8. Use NSArrayController
9. Analyze NSUndoManager
10. Apply Archiving

11. Demonstrate Basic Code Data
12. Explain NIB Files and NSWindow Controller, User Defaults
13. Describe Using Notifications, Using Alert Panels
14. Use Localization, Custom Views, Image and MouseEvents
15. Describe Keyboard Events, Drawing Text with Attributes

Student Learning Outcomes

1. At end of the course, the successful student can outline the basic of Objective-C programming language.
2. At end of the course, the successful student will can operate of XCode IDE system.
3. At end of the course, the successful student can develop iOS and Mac OS applications using the Cocoa Framework.

Institutional Learning Outcomes

This course will also facilitate the following Institutional Learning Outcomes:
   A. Critical Thinking: Analyze Apple device applications by differentiating fact from application types, application usages and applications deal with daily life such as bank applications, locations related, notification related and social media related, etc…
   B. Communication: Effectively communicate thought in a clear, well-organized creation to persuade, inform, and convey ideas in academic, work and commercial usages on Apple devices.
   C. Self-awareness/Interpersonal Skills: Apply self-assessment and reflection strategies to develop Apple device applications.
   D. Technical Competence: Utilize the appropriate technology such as XCode, Objective-C language effectively Apple application development needs.
   E. Cultural Diversity: Respectfully engage Apple Device Application with other cultures in multi-language platform.
   F. Ethics: Practice and demonstrate standards of personal and professional integrity, honesty and fairness; apply ethical principles during this development path.

Course Requirements and assignment guidelines

Blog (Etudes) Responses
You are required to login to ETUDES weekly to read various posts related to the class. Blog Responses should be at least 3-4 complete sentences. Support your ideas. State your point and back them with facts or personal anecdotes. Stay on topic. Respond to each other's comments in a respectful manner. See other blog rules and guidelines on the class blog. Keep in mind comments will be read by me and others in class. Therefore, refrain from making any deeply personal, sensitive, revealing, private and inappropriate comments. **NOTE: If you don't have internet access at home, there are computer labs on campus. If accessing the class blog proves difficult, see me immediately. <u>DO NOT WAIT until the day a response is due to seek help or explain your situation.</u> Alternate plans can be arranged with notice.**

Quizzes
Quizzes will be given regularly to ensure that you are keeping up with the readings and attending class. Missed quizzes cannot be made up, even if you arrive late to class.

Essays

Essays provide you the opportunity to practice and demonstrate skills learned in class. <u>Previous drafts must be attached to final essays.</u> **NOTE: <u>All writing assignments, except those designated as in class writing assignments, must be typed.</u>** Grading rubrics will be attached to final essays.

Other assignments, as listed below, will occur in class and serve to reinforce learning:
- o   In Class Writing Responses
- o   Exams: Midterm and Final

Late Assignments
Each student is allowed <u>one</u> late essay assignment. It must be turned in by the next class meeting to receive credit and the grade will be reduced by one letter grade. DO NOT e-mail me your essays and other typed assignments. They will not be accepted. Other late assignments will not be accepted.

Grading

Assignment Category	# of Assign.	Points Per Assignment	Total Points	% of Total Grade
Quizzes	**3**	**100**	**300**	**37.5%**
Programming	**2**	**150**	**300**	**37.5%**
Extra Points	**1**	**10**	**10**	**1.25%**
Final	**1**	**190**	**190**	**23.75%**
Grand Total		**-**	**800**	**100%**
90%-100% = **A**	75%-90% = **B**	60%-75% = **C**	45%-60% = **D**	Below 45% = **F**

Class Policies

Attendance
Students are expected to attend every class meeting, to arrive on time and stay throughout the class period. Students may be dropped from class for excessive tardiness, or for failure to attend class the first day or during the entire first week of the class.

Walking In and Out of Class
When you arrive to class, make sure you have used the restroom, had a chance to eat, check your messages, etc. Walking in and out is rude and disruptive. If you need to leave early, or have some other problem, you need to notify me in advance. **<u>Any student who makes a habit of walking in and out of class may be asked to leave.</u>**

Preparedness
You are expected to arrive on time. You will come to each class session prepared. You will have your books, binder, pens/pencils, any work that is due, and you will be prepared to discuss all readings/assignments.

Cell Phones, iPods, etc.
<u>Turn them off and put them away when class begins!</u> Although it may not seem possible, you can survive without talking and texting on your cell phone, or listening to your iPod, for a little over an hour. Talking and texting on cell phones not only distract you, but they are a distraction for me and your peers. Distractions interrupt/disrupt the class and I will not tolerate interruptions. **<u>You will be asked to leave if this occurs.</u>**

Contacting Me
E-mail is the best and quickest way to contact me. Thanks to modern technology, my e-mail is linked to my phone. Therefore, excuses such as, "I tried to contact you but (fill in the blank)" will not work. **If you have a problem, do not let it snowball. Contact me immediately.** Students are expected to ask questions and obtain help from instructor via email and/or during office hours.
Refer to the course website/blog for more information on UMOJA policies.

For more information refer to the attached link:
http://www.wlac.edu/academics/pdf/WLAC_10-12Catalog_Policies.pdf

College Policies:

Academic Integrity (Plagiarism)
In accordance with code 9803.28, **academic dishonesty is prohibited and will not be tolerated in this class.** Violations of academic integrity include, but are not limited to, the following actions: cheating on an exam, plagiarism, working together on an assignment, paper or project when the instructor has specifically stated students should not do so, submitting the same term paper to more than one instructor, or allowing another individual to assume one's identity for the purpose of enhancing one's grade. Academic dishonesty of any type, such as cheating or knowingly furnishing false information, by a student provides grounds for disciplinary action by the instructor or college. In written work, no material may be copied from another without proper quotation marks, footnotes, or appropriate documentation.

- ○ **Plagiarism will result in a zero for the assignment, possible dismissal from the class and disciplinary action from the college. You will not receive credit for any essay missing previous drafts, citations and/or a Works Cited page.**

Student Conduct
According to code 9803.15, disruption of classes or college activities is prohibited and will not be tolerated. Refer to the catalog and the Standards of Student Conduct in the Schedule of Classes for more information.

Recording Devices
State law in California prohibits the use of any electronic listening or recording device in a classroom without prior consent of the instructor and college administration. Any student who needs to use electronic aids must secure the consent of the instructor. If the instructor agrees to the request, a notice of consent must be forwarded to the Vice President of Academic Affairs for approval (WLAC College Catalog).
For more information refer to the attached link:
http://www.wlac.edu/academics/pdf/WLAC_10-12Catalog_Policies.pdf

Campus Resources:

See example below:
As stated earlier in this syllabus, **if you are having problems, don't let them snowball.** Come and talk with me and check out some of the campus resources available to you.

Office of Disabled Student Programs and Services (DSP&S)
Heldman Learning Resources Center (HLRC), Room 119 | (310) 287-4450.

West Los Angeles College recognizes and welcomes its responsibility to provide an equal educational opportunity to all disabled individuals. The Office of Disabled Students Programs and Services (DSP&S) has been established to provide support services for all verified disabled students pursuing a college education. DSP&S students may qualify for: priority registration, registration assistance, special parking permits, sign language interpreters and assistive technology (WLAC College Catalog).

Instructional Support (Tutoring) & Learning Skills Center
Heldman Learning Resources Center (HLRC) | (310) 287-4486
Improve your reading, language, vocabulary, spelling, math fundamentals and chemistry knowledge with convenient, self-paced computer-aided courses in the Learning Skills Center. Increase your knowledge and learning success: sign up for tutoring in various college subjects (WLAC College Catalog).

Library Services
Heldman Learning Resources Center (HLRC) | (310) 287-4269 & (310) 287-4486
The WLAC Library provides instruction on how to use the online catalog, periodical and research databases. In addition to a large collection of books, periodicals and videos the WLAC Library has course textbooks which students may use while in the Library. Web access is available in LIRL as well as meeting rooms. The upper floors provide a beautiful view ideal for study (WLAC College Catalog).
for more information refer to attached link:
 http://www.wlac.edu/academics/pdf/WLAC_10-12Catalog_Services.pdf

Other Useful Information:

Student LACCD email page link
https://www.wlac.edu/Login.aspx

CE101 lab open hour
CE101 lab open hour-check division web site www.wlac.edu/csit.

Degree and certificate
Degree and certificate requirement-check division web site www.wlac.edu

Job placement assistance
Job placement assistance for students in the advanced classes like CISCO Network, Security, Web & mobile development, Database and Computer Science -email H1B coordinator VegaWM@wlac.edu

	CSIT 912 Class Schedule – Fall 2013	10:40 a.m. – 12:45 p.m. on Saturday
	NOTE: This syllabus and class schedule is subject to change if circumstances warrant it (e.g. student performance, etc.). **Expect revisions and divergences.**	

Week Ending Date	Course Topics	Assignment & Quiz, Final Exam
08/31/2013	Cocoa Chapter 1 Cocoa: What is it?	
09/07/2013	Cocoa Chapter 2 Let's Get Started	Assignment #1
09/14/2013	Cocoa Chapter 3 Objective-C & Objective-C Book	Quiz #1
09/21/2013	Cocoa Chapter 3 Objective-C & Objective-C Book	Assignment #2
09/28/2013	Cocoa Chapter 4 Memory Management	Quiz #2
10/05/2013	Cocoa Chapter 5 Target/Action	Assignment #3
10/12/2013	Cocoa Chapter 6 Helper Objects	Quiz #3
10/19/2013	Cocoa Chapter 7 Key-Value Coding and Key-Value Observing	Assignment #4
10/26/2013	Cocoa Chapter 8 NSArrayController	
11/02/2013	Cocoa Chapter 9 NSUndoManager	Quiz #4
11/09/2013	Cocoa Chapter 10 Archiving	Assignment #5
11/16/2013	Cocoa Chapter 11 Basic Code Data Cocoa Chapter 12 NIB Files and NSWindow Controller	Quiz #5
11/23/2013	Cocoa Chapter 13 User Defaults Cocoa Chapter 14 Using Notifications	
11/30/2013	Closed	
12/07/2013	Cocoa Chapter 15 Using Alert Pane4ls Cocoa Chapter 16 Locolization	Quiz #6
12/14/2013	Cocoa Chapter 17 Custom Views Cocoa Chapter 18 Image and MouseEvents	Final Exam

Some faculty has used a "Student Acknowledgement" sheet such as the one below as a means to check students' understanding of the material on the course syllabus. The sheet can be placed at the end of the syllabus and removed by students after they have signed the form. The sheet can also be given as a handout.

Another way to check understanding is to give a quiz on syllabus material at the beginning of the second class period

Student Acknowledgment

(Please return this sheet to the instructor)

"I _____, have completely read this syllabus and understand and agree to the course requirements."

Please indicate below, any special needs or circumstances that may have some impact on your work in this class, and for which you may require special accommodations, including but not limited to physical or mental disabilities, inability to arrive in class on time or need to leave class early, observance of religious holidays, ect.

Special needs or circumstances:

_____

_____