

WOOD TOBÉ-COBURN SCHOOL
8 East 40th Street
New York, NY 10016-0190
(212) 686-9040 (phone)
(212) 686-9171 (fax)

COURSE SYLLABUS

COURSE / SECTION NUMBER: CA 215 Advanced Project Development

SEMESTER: FALL SEMESTER – TERM II

DAY(S) / HOURS: M-F 8:00AM – 9:50AM

ROOM: 210

INSTRUCTOR: Professor D. Safonte

Email: safonte.wtcs@gmail.com (Preferred)

Email: dsafonte@woodtobecoburn.edu

Office Phone: (212) 897-0169

OFFICE HOURS: Conference Room C

Wednesday 12:00 PM – 12:50 PM

ADVANCED PROJECT DEVELOPMENT COURSE OUTLINE

COURSE DESCRIPTION: This course takes the students into their final academic efforts where they must tackle real-world challenges directly involved with software development. These challenges take the form of software projects of chosen types that represent what they will likely face in their career pursuits. The students are required to design, document, and program their solutions.

PREREQUISITE(S): CA115 Database Applications and completion of an advanced programming language course

CREDITS: 2 Semester Credits

HOURS: 10 Lecture / 66 Lab

INSTRUCTIONAL MATERIALS AND REFERENCES

Required Text: None. Course focuses on creation of projects, based on skills learned in other courses throughout the program. Any and all textbooks, lab notes, and program listings from previously completed courses may be used.

Required Software:

1. NetBeans
2. Microsoft Visual Studio
3. Microsoft Expression Web

Additional Requirements:

- A loose leaf binder or notebook to keep notes.
- A Google Drive Shared folder where you save your items DAILY and I will check your progress.
 - Share your drive folder named CA215 with Safonte.wtcs@gmail.com

There will be assignments that may be started in class, but need to be completed at home. This will be the easiest way for you to do that.

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COURSE POLICIES AND GUIDELINES

COURSE POLICIES: To successfully complete the course, students are expected to follow these classroom policies:

- A. Bring the textbook to every class session. The book may be needed to complete labs.
 - B. Maintain regular attendance at all class sessions. If you are absent, it is your responsibility to complete all required lessons and assignments. It is also your responsibility to turn in work due on the date of the absence via email to the professor. Late work may only be accepted at the discretion of the instructor with an excused absence (court date with written proof, or doctors' note). No one is guaranteed acceptance of late work.
 - C. Complete your own work. Submission of someone else's work as your own will result in a 0 for that assignment and possible failure of the course.
 - D. Demonstrate professional courtesy in speaking and behavior shown towards the instructor and classmates.
 - E. All cell phones and electronic devices **MUST** be **OFF** during class!
 - F. No Instant Messaging, Tweeting, Facebook Usage, Web Surfing, or anything of the sort in the classroom, whether on the school computers or your own devices.
 - G. No eating or drinking allowed in class.
 - H. You are required to be in dress code to every class session. If you are not, you will be asked to leave and see the Director of Education.
 - I. **Homework and Lab Work count for 40% of your grade!** Homework will be counted as 100% when handed in on time. There will be a 5% deduction for each DAY that assignment is late. If you are absent from class, you are required to get the day assignment from either myself or a classmate.
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ATTENDANCE AND LATE ARRIVAL POLICY

- A. All Classes being on the hour.
- B. Attendance will be taken at the beginning of each class (within first 5 minutes).
- C. Arrival after last name is called is LATE!
- D. Three late arrivals will equate to one absence and will be recorded as such in our school attendance records.
- E. **Students who arrive 20 minutes or more late to class will be considered absent.** Students are encouraged to enter the class at this time as long as they do not disrupt the class, so they can at least benefit from the lesson for the day.
- F. Regular class attendance is essential. Regular and punctual attendance is extremely important while in school and makes it considerably easier to satisfy employers who demand this behavior. Development of professional conduct at Wood Tobé-Coburn School is just as important as the development of skills
- G. Absence from class, regardless of reason involves a loss to both the student and to other members of the class. Wood Tobé-Coburn School policy requires students to attend all classes. While it is recognized that certain reasons beyond the control of the student may make it impossible to attend class, excessive absenteeism may result in a lowered grade or other administrative action. An absence rate in excess of 10% of the classes scheduled may result in dismissal from school. A student who accumulates ten consecutive days of absence is considered to have withdrawn from school
- H. Attendance is expected and is taken each day. If you will not be able to attend class, email me at Safonte.wtcs@gmail.com within class hours. Also call a classmate to obtain the homework assignments. You are responsible for the content covered during your absence; this includes all assignments, class work, and work due on the day of your absence

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- I. Please do not ask to leave the class early. If you are late or leave class early, you will not earn credit for attending class that day. If you are late to class, wait until after class to tell me. It is your responsibility to inform me that you were in class and see that it is marked on my attendance sheet
 - J. Professional behavior is expected of all students. You are expected to abide by the Wood Tobé-Coburn School Academic Catalog and the student handbook for conduct, ethical behavior, and other rules/regulations
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ACADEMIC DISHONESTY POLICY

Academic dishonesty includes, but is not limited to, using unauthorized aids to complete an exam or project, submitting another student's work, sharing data via the network or diskette/flash drive, and copying from another student with or without their permission.

The Director of Education will suspend students who are caught cheating from school for a minimum of 24 hours. In addition, the students will not receive any credit for the work in question or any other work missed during the period of suspension.

DRESS CODE POLICY

Students are required to dress in appropriate professional attire. The Wood Tobé-Coburn School student is expected to maintain the same high standard of appearance and grooming that are expected by the business, design, and health care communities.

Students who are not in compliance with the dress code will be sent home. Faculty members may send students home from class or may elect to send them to the Director of Education to be sent home. Students will not be allowed to make up work missed during the period of suspension.

ASSIGNMENTS

In order to achieve the course objectives, you will use the textbook and other reference sources to complete in-class and homework exercises, as well as a final project. Completing all homework and in-class assignments will help you maximize your achievement on the tests and other writing assignments.

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METHODS OF EVALUATION: Course grade is determined as follows*:

* Professor Reserves the Right to Eliminate/Recalculate Any Assessment.

GRADING SYSTEM:

A = 95 < 100 A- = 90 < 94 B+ = 87 < 89 B = 84 < 86 B- = 80 < 83 C+ = 76 < 79 C = 72 < 75 C- = 68 < 71 D+ = 64 < 67 D = 60 < 63 F = 0 < 59

Attendance	5%
Participation	5%
Project Presentation	20%
Design / Creativity	20%
Documentation Portfolio	10%
Working Applications	30%

All Assignment Submissions

All Homework and class work assignment submissions MUST include Your Name, Course Number and Section, Assignment Name in the email subject line; *eg: Email Subject:, CA215, Homework 1 Review Questions*

ALL SUBMISSIONS MUST BE SUBMITTED VIA Shared Google Drive or email to

Safonte.WTCS@gmail.com

****NO PRINTED SUBMISSIONS! ****

Project

Assignments, including flow charts, Pseudocode and IPO Charts, Storyboards, etc., must be checked for accuracy and be well documented. All submitted documentation and projects must be "Error Free/Running" for full credit to be considered. Any assignment that is NOT "Error Free/Running" but is deemed an honest effort will receive an automatic grade of not less than 50%. Any assignment deemed not to be an honest effort will receive a 0. You are expected to have tested and successfully executed your programming prior to submission.

Attendance/Participation

EACH STUDENT STARTS WITH 5 POINTS EACH FOR ATTENDANCE/PARTICIPATION ON DAY ONE!

It's up to you to work hard to keep them. Your participation encompasses a lot of work. Labs, Reading Assignments, Homework Assignments, Classroom Discussions, Quizzes, Attendance, Punctuality and Classroom Etiquette all fall under this part of your grade. Your participation is graded on completion, as well as attendance and punctuality. If you do ALL the work, including quizzes, respect the policies and classroom etiquette, and you are never absent or late, then you will keep the full 10 points. Miss any work and points may be deducted as discussed earlier. One Point may also be deducted for each absence, and ½ point for lateness. If you are more than 20 minutes late, a full point will be deducted as if you were absent. Make no mistake; participation heavily affects your grade! A loss of all participation points means you will likely NOT earn better than a "B+" in this class!

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Project Presentations

Each student will be required to make 6 project presentations in class throughout the term. This is mandatory as part of an entire Systems Development Life Cycle approach. There will be presentations for the Feature Statement, Analysis of Pseudocode/Flow Charts/IPO Charts/Story Board, and Promotional Demonstration of the Completed Project. These three presentations will be repeated for the Midterm Project and the Final Project. Each of these 6 presentations will be graded on a 100 point scale per presentation, and will make up 20% of your overall course grade. Dates for each student to present their work at each of these three phases for the Midterm and Final Projects will be chosen by the professor, and the student will be notified of the date and time during a class period. Students should be prepared to complete their presentations within a 10 minute timeframe, and should prepare adequate demonstrative resources, including any formal documentation and supplemental PowerPoint Presentation slides. Students should come prepared with their resources on a Flash Drive that can be plugged into the Projector PC. Any student who is unprepared to complete their presentation during the assigned time will lose 20% of the grade for that presentation as a penalty for going over the budgeted time for their project. If a student is absent from class on the day of a scheduled presentation, that will be deemed no show/no call for the presentation. A heavier penalty of 40% of the presentation grade will be deducted for unprofessional behavior regarding improper cancellation/rescheduling. In either case, the presentation must be rescheduled with the professor within 1 week, or the presentation will result in a zero (0).

Designs/Creativity:

Each student will be graded as on their Midterm Project and Final Project in several ways. One way is in regards to the design and creativity of their projects. Students should emphasize good design skills and creative skills to develop an attractive, aesthetically pleasing working project. The professor will evaluate both projects for design and creativity as a separate component from the overall functionality of the working application. If the project is deemed to look sloppy, unprofessional, or otherwise aesthetically challenged, a lower grade will be assigned for this component of your overall course grade. A total of 20% of your overall course grade falls into this category, split into equal weighting of 10% for the Midterm Project and 10% for the Final Project.

Documentation Portfolio:

You will be required to maintain a separate Loose Leaf Binder Portfolio for the Midterm Project and the Final Project. Each portfolio must be professionally organized to include all forms of documentation for the entire project. You should include a Cover Page, the written project proposal, the features statement, printed copies of all PowerPoint Slides used during all of the presentations for that project, any completed Flow Charts, Pseudocode, IPO Charts, Story Boards and other documentation created during the project development, testing data and results, the final source code for the entire project, and screen shots of the various screens for the project, along with a User Manual that describes how to use the application. Each of these two portfolios will be due with the project submission on its respective due date. The portfolio will be graded on completion of these items, thoroughness in detail, organization of the binder, and timely completion. Each of the two portfolios is worth 10% of your overall course grade for a total of 20%.

Midterm Project Working Application:

As part of your Midterm Project Requirements, you must create, test, demonstrate, and submit an entire working application for the project. All project files must be submitted, not just the executable or source code.

The due date for delivery of the Midterm Project will be Friday, November 22th, 2013

Final Project Working Application:

As part of your Final Project Requirements, you must create, test, demonstrate, and submit an entire working application for the project. All project files must be submitted, not just the executable or source code. **The**

due date for delivery of the Final Project will be: Thursday, December 19th, 2013

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TOPICAL OUTLINE: This is a tentative Outline/Schedule. Some chapters may need more than one week. That will be determined as we progress through the semester.

Week	Topics	Exams/Labs/HW
Wk. 1 10/28 - 11/01	<ol style="list-style-type: none"> 1. Syllabus Overview 2. Develop a Midterm Project Proposal 3. Develop Midterm Project Feature Statement 4. Feature Statement Presentations 	Proposal Feature Statement Presentations Begin
Wk. 2 11/04 – 11/08	<ol style="list-style-type: none"> 1. Prepare Pseudocode, Flow Charts, IPO Charts 2. Prepare Story Boards/UI Design Drawings 3. Prepare Desk Checking 4. Finish Feature Statement Presentations 	Presentations Docs
Wk. 3 11/11 – 11/15	<ol style="list-style-type: none"> 1. Documentation Analysis Presentations 2. Develop Source Code for Midterm Project App. 	Presentations
Wk. 4 11/18 – 11/22	<ol style="list-style-type: none"> 1. Develop Source Code for Midterm Project App. 2. Finish Midterm Project App. Source Code 3. Midterm Project Application Demonstrations 	
Wk. 5 11/25 – 11/27	<ol style="list-style-type: none"> 1. Develop a Final Project Proposal 2. Develop Final Project Feature Statement 	Thanksgiving Break
Wk. 6 12/02 – 12/06	<ol style="list-style-type: none"> 1. Feature Statement Presentations 2. Prepare Pseudocode, Flow Charts, IPO Charts 3. Prepare Story Boards/UI Design Drawings 4. Prepare Desk Checking 	Feature Statement Presentations
Wk. 7 12/09 – 12/13	<ol style="list-style-type: none"> 1. Documentation Analysis Presentations 2. Develop Source Code for Final Project Application 	Documentation Presentation
Wk. 8 12/16 – 12/20	<ol style="list-style-type: none"> 1. Finish Final Project Application Source Code 2. Final Project Application Presentation 	Final Projects – Wednesday 12/18