IT 4600: Senior Project

Spring 2019 Syllabus

This is a capstone course where students enhance their skills by choosing one of three options of project, class project or certification pursuit.

Prerequisites: Final Spring Semester of the CIT program.

Course fee: $25, used to assist in maintaining CIT infrastructure.

One section:
- IT4600-01 TTh 10:30-11:45am Smith Computer Ctr 108 – Final exam Thursday May 2 9am-10:50am

Instructor:
- Jay Sneddon
- Office: Burns 235
- Office hours: MWF 11am-11:50am, TR 8am-8:50am

Objectives

- Each student will build and refine an up to date resume and update their interview skills.

Additionally, students will be able to gain from one of the following:

- Students will obtain practical experience in the planning, design and implementation of an IT project.
- Students will obtain two IT industry certifications.
- Students will obtain additional skills from a special topics project under the direction of the instructor.

Resources

There is no required text for this course. However, each student will need to research information specific to individual projects. Should you need any assistance, the instructor is willing and eager to meet with you. Do not silently fail. Get help.

Computer Resources

You may use the computers in the Smith Computer Center. There will also be lab assistants to help you.

These computers require a valid CIT username and password. If you do not already have a CIT login, visit https://cit.dixie.edu/facilities/passwd/passwd.php to create one, or ask a lab assistant to help you sign up for one.

Course Information

You are responsible for being informed regarding announcements, the schedule, and other resources posted on this website. Grading and assignments are managed at https://dixie.instructure.com.

Assignments and Exams

Reading

The student is responsible for obtaining and reading the material pertinent to their project. Feel free to bring questions from the reading to class or to office hours.

Assignments

Assignments will be graded for accuracy of function and style of design. Programs that do not compile will receive no credit. It is important that you start early and get each of your assignments done before its due date. Many problems will take much longer to solve in a single sitting than in many shorter sessions. Give yourself time to think; sleep on difficult problems. Finish early so you can go back and refine your initial approach.

Assignments are due on the date listed in the schedule, and must be passed off to the instructor or a lab assistant for the course. Your instructor will tell you how to appropriately submit assignments. This means that you must reserve time to pass it off at a suitable time before the end of the day it is due.
Presentations
You will be expected to present a oral reports according to the dates given on the schedule. The first report will be about mid-way throughout the semester and will be a report of activities up till this point. You will also give a final project presentation demonstrating your project at the end of the semester.

Grading

- 20% Resume and Interview skills
- 80% Project, Class Project or Certifications

Your are required to perform the following tasks as shown on the schedule or given in class:

- Resume (20% of grade)
  - Participation
  - Class participation will be awarded for attending mock interviews and other guest speaker presentations.

- Project Stuff (80% of grade)
  - Initial project documentation
  - Specs (20)
  - Design (20)
  - Midterm Presentation (30)
  - Final Presentation (100) (If you do not submit a final oral report you will receive an ‘F’ for the course)

- Industry Certifications as approved by the Instructor (80% of grade)
  - First certification (40), due by midterm
  - Second certification (40), due before finals

- Special Topics Class Project as outlined by the Instructor (80% of grade)
  - Participation
  - Build Working Project
  - Help others
  - Pass exam

Here is the grading scale: >= 94 = A >= 90 = A- >= 87 = B+ >= 84 = B >= 80 = B- >= 77 = C+ >= 74 = C >= 70 = C- >= 67 = D+ >= 64 = D < 64 = F

Course Policies

Absences
Students are responsible for material covered and announcements made in class. School-related absences may be made up only if prior arrangements are made. The class schedule on Canvas presented is approximate. The instructor reserves the right to modify the schedule according to class needs. Changes will be announced in class and posted to the website. Exams and quizzes cannot be made up unless arrangements are made prior to the scheduled time.

Time
Courses should require about 2 hours of outside work per lecture hour of class. This class will require about 6 hours of work per week on the part of the student to achieve a passing or higher grade. Be sure to evaluate your schedule before committing to this course.

Late work
Assignments are due on the date specified in the schedule. Late assignments will be accepted but penalized. No work will be accepted after the final exam.

Cheating and Collaboration
Limited collaboration with other students in the course is permitted and encouraged. Students may seek help learning concepts and developing programming skills from whatever sources they have available, and are encouraged to do so. Collaboration on assignments, however, must be confined to course instructors, lab assistants, and other students in the course. See the section on cheating.

Cheating will not be tolerated, and will result in a failing grade for the students involved as well as possible
disciplinary action from the college. Cheating includes, but is not limited to, turning in homework assignments that are not the student’s own work. It is okay to seek help from others and from reference materials, but only if you learn the material. As a general rule, if you cannot delete your assignment, start over, and re-create it successfully without further help, then your homework is not considered your own work.

You are encouraged to work in groups while studying for tests, discussing class lectures, and helping each other identify errors in your homework solutions. If you are unsure if collaboration is appropriate, contact the instructor. Also, note exactly what you did. If your actions are determined to be inappropriate, the response will be much more favorable if you are honest and complete in your disclosure.

Where collaboration is permitted, each student must still create and type in his/her own solution. Any kind of copying and pasting is not okay. If you need help understanding concepts, get it from the instructor or fellow classmates, but never copy another’s written work, either electronically or visually. It is a good idea to wait at least 30 minutes after any discussion to start your independent write-up. This will help you commit what you have learned to long-term memory as well as help to avoid crossing the line to cheating.

College Policies

Additional college policies, calendars, and statements are available online at http://new.dixie.edu/reg/syllabus/.