DES/WEB 4600: Senior Project

Spring 2019 Syllabus

Course Description

For students pursuing a degree in Computer and Information Technology. Emphasizes application of skills to commercial projects through design of or contribution to various private sector or university internet projects, print, and multimedia projects. Includes portfolio development.

Prerequisites

Senior standing.

Course fees

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

Disability Statement

If you suspect or are aware that you have a disability that may affect your success in the course you are strongly encouraged to contact the Disability Resource Center (DRC) located in the North Plaza Building. The disability will be evaluated and eligible students will receive assistance in obtaining reasonable accommodations. Phone # 435-652-7516.

Title IX Statement

DSU seeks to provide an environment that is free of bias, discrimination, and harassment. If you have been the victim of sexual harassment/misconduct/assault we encourage you to report this to the college’s Title IX Director, Cindy Cole, (435) 652-7731, cindy.cole@dixie.edu. If you report to a faculty member, she or he must notify the Title IX Director about the basic facts of the incident.

Sections

One section:

1. MWF at 9:00 am–9:50 am in Smith 109
   
   CRN: 21191 (DES 4600)
   
   CRN: 21136 (WEB 4600)
   
   Final exam: Wed, May 1 at 9:00 am–10:50 am

Instructor

Instructor: DJ Holt

Email: djholt@dixie.edu

Office hours: see here

Objectives

At the end of the course, students will:

- Identify and plan a meaningful project, break down the project into workable items, and then attach timelines to project elements to ensure student/project work accountability.
- Produce prototypes, designs, code, and user experiences as needed by the project or product or design. Students will use iterative processes and feedback to demonstrate continuous improvement over time.
- Identify and assemble necessary resources for the completion of project work.
- Plan and implement all aspects of the instructor-approved project.
- Demonstrate the ability to effectively accomplish stated goals. Students will demonstrate advanced knowledge skills in problem solving, positive work ethic, effective use of technology, and understanding workplace culture.
Demonstrate convincing technical communications skills, both orally and in writing. Students will initiate self-learning and independent work as necessary for the approved project.

Demonstrate accountability and responsibility with development processes by submitting weekly project updates on hourly workload, meaningful project progress, iterative changes, new learning, and project challenges.

Resources

Computer Labs

You may use the computers in the Smith Computer Center. There will also be lab assistants in this lab. Not all assistants will be qualified to assist with this course.

The computers provided within the CIT lab facilities have all necessary software installed and configured as required for the course. Students may use personal computers to complete course assignments, however, this will require several software components to be correctly installed and configured. While this will not be covered in class, students may request individual help from the instructor.

Course Website

This course has an accompanying website. You are responsible for staying apprised of updates to the website. Grades will be posted to Canvas, which is available here: http://canvas.dixie.edu

Assignments and Exams

Reading

This course has no required text. However, students will be expected to identify and reference reading materials and resources to facillitate required project research.

Assignments

This course will require students to develop and complete a capstone project and a personal portfolio.

Assignments will assess substantial and regular progress toward the project and portfolio, as well as active participation. Project work will include planning, research, regular progress reports, presentations, and deliverables. Participation will include regular attendance and engagement with class activities, lectures, and presentations.

Assignments are due at 11:59pm on the date specified in Canvas. See below for the course late work policy.

Exams

No exams will be given. However, students will be expected to present major project milestones throughout the semester.

Grading

Grades will be calculated using the following weight distribution:

- 60% Project
- 25% Portfolio
- 15% Participation

Letter grades are assigned based on the percentage of possible points attained, according to the following chart:

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<thead>
<tr>
<th>Minimum Percentage</th>
<th>Letter Grade</th>
<th>Minimum Percentage</th>
<th>Letter Grade</th>
<th>Minimum Percentage</th>
<th>Letter Grade</th>
<th>Minimum Percentage</th>
<th>Letter Grade</th>
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<tbody>
<tr>
<td>94</td>
<td>A</td>
<td>84</td>
<td>B</td>
<td>74</td>
<td>C</td>
<td>64</td>
<td>D</td>
</tr>
<tr>
<td>90</td>
<td>A-</td>
<td>80</td>
<td>B-</td>
<td>70</td>
<td>C-</td>
<td>60</td>
<td>D-</td>
</tr>
<tr>
<td>87</td>
<td>B+</td>
<td>77</td>
<td>C+</td>
<td>67</td>
<td>D+</td>
<td>0</td>
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Course Policies
Attendance

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 is approximate and the instructor reserves the right to modify the schedule according to class needs; changes will be announced in class. Exams and quizzes cannot be made up unless arrangements are made prior to the scheduled time of the exam or quiz.

Occasional absences are acceptable as long as the student maintains current progress on assignments; however, students who miss more than two consecutive weeks of class or who miss more than 20% of scheduled classes during the semester without making prior arrangements will receive a failing grade. Students who miss any scheduled exam or fail to complete a final project without making prior arrangements will receive a failing grade.

This course can only be completed by attending classes and completing all assigned work to a satisfactory level. There is no procedure for testing out of the class.

Time Commitment

Courses should require about 45 hours of work per credit hour of class. This class will require about 135 hours of work on the part of the student to achieve a passing grade, which is approximately 9 hours per week. If you do not have the time to spend on this course, you should probably rethink your schedule.

Late Work Policy

Assignments are due on the date specified in Canvas. Assignments may be submitted not more than seven (7) calendar days beyond the specified due date, including weekends and holidays, with a penalty decided by the instructor. Assignments will not be accepted after this period of time (except under exceptional circumstances decided by the instructor, if prior arrangements are made with the instructor). No late work will be accepted after the last day of class, with absolutely no exceptions. Exams cannot be made up, unless arrangements are made with the instructor prior to the date of the exam.

Collaboration

Limited collaboration with other students in the course is permitted. 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. Students are free to discuss strategies for solving programming assignments with each other, but this must not extend to the level of programming code. Each student must code his/her own solution to each assignment. See the section on cheating.

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, discussing algorithms for homework solutions, 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 code or written work, either electronically or visually. The line between collaborating and cheating is generally one of language: talking about solutions in English or other natural languages is usually okay, while discussions that take place in programming languages are usually not okay. 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://academics.dixie.edu/syllabus/.