Course Goals and Objectives

To increase the student's knowledge in producing the broad needs of the technical corporation. To provide students with a working knowledge of product development including an understanding of the basic prototyping concepts. To develop student skills in technical writing including the creation of large technical documents.

Course Topics

1. Project (Writing) Analysis 9. Requirements Writing
3. Schedule Preparation 11. Project Resources
4. Test Plan Writing 12. Writing Fundamentals
5. Risk Analysis 13. Preparation of User's Manuals
7. Simulation 15. User Stories
8. Prototyping

16. Presentation Techniques

GRADING

All grades will include a component/multiplier based upon the student's demonstrated Professionalism. All labs will receive two grades: grammar and technical content. The percentage for each element will vary for each lab.

Grading Criteria

<table>
<thead>
<tr>
<th>Type of Graded Element</th>
<th>Description</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing - Lab I</td>
<td>Descriptive/Persuasive Paper</td>
<td>10% (Individual)</td>
</tr>
<tr>
<td>Writing - Lab II</td>
<td>Prototype Product Specification</td>
<td>20% (Individual/Group)</td>
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<tr>
<td>Writing - Lab III</td>
<td>Prototype Test Plan/Procedures</td>
<td>20% (Individual/Group)</td>
</tr>
<tr>
<td>Writing - Lab IV</td>
<td>Product/Prototype User's Manuals</td>
<td>15% (Individual/Group)</td>
</tr>
<tr>
<td>Writing - Lab V</td>
<td>Summary Paper - Lessons Learned</td>
<td>5% (Individual)</td>
</tr>
<tr>
<td>Final Exam - Prototype Demonstration</td>
<td>Product Laboratory Prototype</td>
<td>25% (Group)</td>
</tr>
<tr>
<td>Website</td>
<td>Product and course documents</td>
<td>5% (Group)</td>
</tr>
</tbody>
</table>

All students are required to take the CS Exit Exam during this semester. Those who score in the lowest tenth percentile (nationally) will not graduate without successful remediation.

Course Policies:

Each week of the semester, there is an informal presentation by a member of the project group. It is expected that these reports will be made by a different member of the group on a week by week basis. In addition to the specific topic of the weekly report, the presenter should provide a brief summary of the weeks accomplishments or new problems identified during the week.

Because the class period is important and discussions cannot be reproduced, absences cannot be made up. Excessive absences may have a negative effect on a student's learning and performance. Any student who must miss a class is expected to have the initiative necessary to properly cover the material missed (i.e. assignments given or modified, due dates established or modified and any handouts, etc.). Students must meet all course deadlines and be present for the final exam and demonstrations.

******* LATE WORK IS NOT ACCEPTABLE *******

Old Dominion University supports a comprehensive evaluation of a student's achievement in a course as a vital part of the educational process. In support of this university policy, successful completion of this course includes a satisfactory performance in the prototype demonstration and development of the formal product proposal specification. A student who fails the comprehensive final examination may not pass the course regardless of the student's semester performance.

Honor Code Policy

The instructor reserves the right to question a student orally or in writing and to use this evaluation of the student's
understanding of the assignment and of the submitted solution as evidence of cheating. Violations will be reported to the Honor Council for consideration for punitive action. By CS Dept. policy, students found to be in violation of this rule will, at the very least, receive a failing grade in the course and may be subject to stiffer penalties.

**Professionalism/Project Submissions**

Old Dominion University supports a comprehensive evaluation of a student's achievement in a course as a vital part of the educational process. In support of this university policy, successful completion of this course includes a satisfactory performance in the development of the formal project proposal plan documentation. Any student who fails to perform in a satisfactory manner on the plan may possibly not pass the course, regardless of the student's overall point total. In addition, each student will be evaluated based upon demonstrated professionalism. Any student who receives poor marks by the professor and/or their group members may not pass the class.