CS411W - Professional Workforce Development II

Fall 2016

Students must enroll in the lecture and the associated recitation

<table>
<thead>
<tr>
<th>CRNs:</th>
<th>18207</th>
<th>17284, 17286, or 17288</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCATION:</td>
<td>Monday &amp; Wednesday 3:00 - 4:50 PM Dragas 1102</td>
<td>Online</td>
</tr>
<tr>
<td>PRE-REQUISITES:</td>
<td>CS 330 &amp; CS 350 grade of C or better</td>
<td></td>
</tr>
<tr>
<td>INSTRUCTORS:</td>
<td>Hill Price</td>
<td>Janet Brunelle</td>
</tr>
<tr>
<td>OFFICES:</td>
<td>Dragas 1100A</td>
<td>E&amp;CS 3210</td>
</tr>
<tr>
<td>PHONE NUMBERS:</td>
<td>(757) 683-7728</td>
<td>(757) 683-7714</td>
</tr>
<tr>
<td>CS OFFICE:</td>
<td>(757) 683-7795</td>
<td></td>
</tr>
<tr>
<td>EMAIL ADDRESSES:</td>
<td><a href="mailto:price@cs.odu.edu">price@cs.odu.edu</a></td>
<td><a href="mailto:brunelle@cs.odu.edu">brunelle@cs.odu.edu</a></td>
</tr>
<tr>
<td>HOME PAGES:</td>
<td>Price</td>
<td>Brunelle</td>
</tr>
<tr>
<td>OFFICE HOURS:</td>
<td>See Faculty Home Page</td>
<td></td>
</tr>
<tr>
<td>COURSE TEXT:</td>
<td>None required.</td>
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</table>

- Syllabus

LECTURES

- Notes for Week 1
- To do list for week 1
- Document Map for the Course
- Notes for Weeks 2 & 3
- Common Grammar & Style Errors
- Style Guidelines
- System Architecture Reference
- Written Requirements Reference
• Writing Tips
• Notes for Weeks 4 & 5
• Notes for Weeks 6 & 7 - Test Plans
• Contracts and Subcontracts

  • Subcontract Example

• Budgeting and Costing
• User's Manual Notes
• SBIR Grant Request Writing Techniques
• Product Development Documentation

HANDOUTS

• Course Syllabus

Previous Lab 1 Material

• Requirements - Descriptive Paper
• Lab 1 Template/Outline
• Industry Examples
• Sample
  • Development Environment Requirements for Prototype

New Lab 1 Material

• Requirements - Descriptive Paper

Lab 2

• Lab 2 - Product Specification
• Lab 2 Outline
• EXAMPLE Project Requirements and Specifications
• EXAMPLE Requirements Template
• EXAMPLE System Specification Example
• Sample from a previous semester Format Guidelines
  Prototyping
  GUI design

  • Writing Tips #1
  • Writing Tips #2

Lab 3

• Lab 3 Test Plan and Procedure Requirements
• Lab 3 Template
• Example Test Plan
Example Acceptance Testing Procedure
Template with explanations
Student example
Test Case Template

Lab IV Users Manual
Student example
Lab IV Users Manual
Student example

PROJECT GROUPS

Sapphire - Parking Meter App

- Mary Aman
- Christopher England
- Alyssa Grow
- David Kuckuck
- Anthony McCann

Emerald - Campus Event Manager

- Alex Dohrn
- Christine Lundrigan
- Kayla Miller
- Joshua Mollohan
- Ross Rellachart

Red - CS Course Planner

- Steven Humbertson
- David Leazer
- Daniel Moore
- Ali Saraira
- Bernard Verna
- James Waller

Black - Hike Planner

- James Galecki
- Tyler McClean
- Rachel McCreary
- Jory Morrison
- Alexander Outhuse
- Daniel Price-Dufek
- Draper Wittkopp

Orange - Undergraduate Research Tool
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>
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<tbody>
<tr>
<td>Writing - Lab I</td>
<td>Descriptive/Persuasive Paper</td>
<td>20% (Individual)</td>
</tr>
<tr>
<td>Writing - Lab II</td>
<td>Prototype Product Specification</td>
<td>20% (Individual/Group)</td>
</tr>
<tr>
<td>Writing - Lab III</td>
<td>Prototype Test Plan/Procedures</td>
<td>10% (Individual/Group)</td>
</tr>
<tr>
<td>Writing - Lab IV</td>
<td>Product/Prototype User's Manuals</td>
<td>10% (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>30% (Group)</td>
</tr>
<tr>
<td>Website</td>
<td>Product and course documents</td>
<td>5% (Group)</td>
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GRADES

Grades for this course can be viewed using Blackboard.

Previous Project Web Pages

CPI Archives

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