CRN 8090, CIS 6800 - Human Computer Interaction & Interface Design (online)

Department of Computer Science
Georgia Southwestern State University

Online Orientation
Semester Fall 2015

INSTRUCTOR

Name | Alexander Yemelyanov
Office | CWH Room 211
Office Phone | 229-931-2820
E-mail | alexander.yemelyanov@gsw.edu
Office Hours | 11:00 am - 12:30 pm, M,T,W,Th (or by appointment)

CATALOG DESCRIPTION

This course will discuss interface design between user and computer, user capabilities and limitations, designing systems for people, evaluation and testing of systems, usability engineering, and ergonomics. At the center of the course is the development of a hands-on semester project that will help students to learn about various stages of an effective design process. (3-0-3)

LEARNING OUTCOMES

After completing this course, students should be able to
1. Design software interfaces that are appropriate for the user.
2. Apply a variety of interface design strategies.
3. Evaluate the quality of a software interface.

TEXTBOOKS


REQUIRED SOFTWARE

CogTool 1.1.5 for Windows. CogTool is an open source, general purpose user interface prototyping tool that uses a human performance model to automatically evaluate how efficiently a skilled user can do a task on a design. CogTool was developed at Carnegie-Mellon University, and is available for download from the CogTool community site at CMU

COURSE OUTLINE

1. History of HCI
2. HCI Frameworks and Paradigms
3. Interaction Frameworks
4. Interaction design
5. Human abilities
6. HCI in the software process
7. Design process, Prototyping
8. Implementation Support
9. Evaluation techniques
10. Handling errors
11. Universal design
12. GOMS and other cognitive models
13. CogTool
14. Capturing requirements
15. Task analysis
16. Web Usability

GAVIEW SUPPORT

1. How to Log in to GeorgiaVIEW:
   - On the GSW GeorgiaVIEW page, click the GeorgiaVIEW Login button and enter your username and password.
   - Your username is the first part of your RADAR e-mail address (everything before the @ symbol).
   - GeorgiaVIEW password is your CanesNet password.
2. There is important information for students under the Student Orientation tab on the GeorgiaVIEW home page. If you work on your personal computer, you have to explore this information to familiarize yourself with technology requirements and GeorgiaVIEW tools and components.
3. You also must go through the browser checker before you log in the first time.
4. Read the GeorgiaVIEW tutorials located in the Student Tutorials widget when you log in.
5. If you experience technical issues with GeorgiaVIEW, you may contact the D2L Help Center (24 x 7 support) at https://d2lhelp.view.usg.edu/ or GSW GeorgiaVIEW help at gaview@gsw.edu (available Monday - Friday during business hours).

IMPORTANT DATES TO REMEMBER

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classes Begin</td>
<td>Wednesday, August 19, 2015</td>
</tr>
<tr>
<td>Last day to Add/Drop classes</td>
<td>Wednesday, August 26, 2015</td>
</tr>
<tr>
<td>Labor Day (No Classes)</td>
<td>Monday, September 7, 2015</td>
</tr>
<tr>
<td>Midterm</td>
<td>Wednesday, October 7, 2015</td>
</tr>
<tr>
<td>Last Day to Withdraw Without Academic Penalty</td>
<td>Monday, November 9, 2015</td>
</tr>
<tr>
<td>Last Day of Class</td>
<td>Friday, December 4, 2015</td>
</tr>
</tbody>
</table>

Deadline for the first login: August 27, 2015