CRN 80305, CIS 6800 - Human Computer Interaction & Interface Design (online)

Department of Computer Science
Georgia Southwestern State University

Online Orientation
Semester Fall 2017

INSTRUCTOR

<table>
<thead>
<tr>
<th>Name</th>
<th>Alexander Yemelyanov</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office</td>
<td>CWH Room 207</td>
</tr>
<tr>
<td>Office Phone</td>
<td>229-931-2820</td>
</tr>
<tr>
<td>E-mail</td>
<td><a href="mailto:alexander.yemelyanov@gsu.edu">alexander.yemelyanov@gsu.edu</a></td>
</tr>
<tr>
<td>Office Hours</td>
<td>11:00 am - 12:30 pm, M.T.W.Th (or by appointment)</td>
</tr>
</tbody>
</table>

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 design
4. Human abilities
5. HCI in the software process
6. Design process. Prototyping
7. Evaluation techniques
8. Handling errors
9. GOMS and other cognitive models
10. CogTool
11. Capturing requirements
12. Task analysis
13. Affective HCI

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.
   - 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.
   - You also must go through the browser checker before you log in the first time.
   - Read the GeorgiaVIEW tutorials located in the Student Tutorials widget when you log in.
   - 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@gsu.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>Fall Term Classes Begin</td>
<td>Tuesday, August 15, 2017</td>
</tr>
<tr>
<td>Add/Drop for Full Fall Term</td>
<td>August 15-17, 2017</td>
</tr>
<tr>
<td>Midterm for Full Term</td>
<td>Wednesday, October 4, 2017</td>
</tr>
<tr>
<td>Fall Break (no classes)</td>
<td>October 5-6, 2017</td>
</tr>
<tr>
<td>Last Day to Withdraw Without Academic Penalty</td>
<td>Friday, October 27, 2017</td>
</tr>
<tr>
<td>Thanksgiving Holiday Break (no classes)</td>
<td>November 20-24, 2017</td>
</tr>
<tr>
<td>Last Day of Class for Full Fall Term</td>
<td>Wednesday, November 29, 2017</td>
</tr>
</tbody>
</table>

Deadline for the first login: August 23, 2017