CRN 5191, CSCI 4320 Human Computer Interaction (online)
Department of Computer Science
Georgia Southwestern State University

Summer May Term Online Orientation
(May 12 – May 29, 2014)

INSTRUCTOR

<table>
<thead>
<tr>
<th>Name</th>
<th>Alexander Yemelyanov</th>
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<tr>
<td>Office</td>
<td>CWH Room 211</td>
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<tr>
<td>Office Phone</td>
<td>229-931-2820</td>
</tr>
<tr>
<td>E-mail</td>
<td><a href="mailto:alexander.yemelyanov@gsw.edu">alexander.yemelyanov@gsw.edu</a></td>
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<tr>
<td>Office Hours</td>
<td>1:00 – 2:00 pm, M,T,W,Th (or by appointment)</td>
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COURSE DESCRIPTION

This course will teach you about the importance of the human-computer interface in the design and development of things that people use. It will discuss interactive systems, human user, channels of communication; theories of human memory; variability and limits of human capabilities; theories of human reasoning and problem-solving, tasks and strategies, interactive devices and technologies, design of interfaces, dialogue design and styles; new ideas in interfaces, tools and techniques for the construction of interfaces, and methods of evaluation.

Prerequisite: CIS 1000 – Computer Applications.

LEARNING OUTCOMES

Students successfully completing this course will 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.

TEXTBOOK/MATERIALS


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 GaVIEW:
On the GSW GaVIEW page, click the link Login to GaVIEW and enter your username and password.
   - Your username is the first part of your RADAR e-mail address (everything before the @ symbol).
   - You have to set up your password using the Forgot Password? link, if you log in for the first time.
2. There is important information for students under the Student Orientation link on the GaVIEW home page. If you work on your personal computer, you have to explore this information to familiarize yourself with technology requirements and GaVIEW tools and components.
3. You also must go through the browser checker before you log in the first time.
4. The “Downloads” link will help you to install the plug-ins into your system.
5. Read the D2L Student Self-Paced Tutorial located in the Student Resources widget in GaVIEW.
6. If you experience technical issues with GaVIEW, 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).
7. Explore all links and read useful information on the GaVIEW Home page.
**IMPORTANT DATES TO REMEMBER**

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<tr>
<th>Event</th>
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<tr>
<td>May Term Classes Begin</td>
<td>Monday, May 12, 2014</td>
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<tr>
<td>Add/Drop for May Term</td>
<td>Monday, May 12, 2014</td>
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<tr>
<td>Midterm for May Term</td>
<td>Tuesday, May 20, 2014</td>
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<tr>
<td>Last Day to Withdraw Without Academic Penalty from May Term</td>
<td>Thursday, May 22, 2014</td>
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<tr>
<td>Memorial Day (No Classes)</td>
<td>Monday, May 26, 2014</td>
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<tr>
<td>Last Day of Class for May Term</td>
<td>Thursday, May 29, 2014</td>
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**Deadline for the first login:** May 15, 2014.