CRN 5089, CIS 5310 - Decision Support Systems (online)

Department of Computer Science
Georgia Southwestern State University

Summer 1 Term Online Orientation
(June 3 – June 25, 2015)

INSTRUCTOR

<table>
<thead>
<tr>
<th>Name</th>
<th>Alexander Yemelyanov</th>
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<tr>
<td>Office</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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CATALOG DESCRIPTION

This course concentrates in the use of computer systems to help and assist in the decision making process. It will start with analyzing the process of making a decision and the role of decision maker. This course examines a set of information systems which support decision makers: individual and group decision support systems, expert systems, and neural networks. It discusses the development, implementation, and application of these systems. To understand how DSS are built the several areas and tools of modeling and artificial intelligence will be considered.

LEARNING OUTCOMES

On completion of the course, students should be able to
1. Understand the concepts of decision support and expert systems structure and the principles of their design and evaluation.
2. Analyze typical decision situations to determine whether it is practical to support them with computer technology and, if so, how.
3. Apply emerging technologies and issues in the context of decision support systems as well as the management of information technology.
4. Obtain practical experience with several software packages for decision support.

TEXTBOOK


REQUIRED SOFTWARE

*Expert Choice 11.5* (multiple criteria decision analysis tool) - [http://www.expertchoice.com/](http://www.expertchoice.com/). Students will be provided with this software for the term project and other assignments.

COURSE OUTLINE

1. Decision Support and Business Intelligence.
5. Neural Networks.
8. Knowledge Management.
10. Advanced Intelligent Systems.
11. Intelligence Systems over the Internet.
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>Classes Begin for Summer I Term</td>
<td>Wednesday, June 3, 2015</td>
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<tr>
<td>Drop/Add for Summer I</td>
<td>Wednesday, June 3, 2015</td>
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<tr>
<td>Midterm Summer I</td>
<td>Monday, June 15, 2015</td>
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<tr>
<td>Last Day to Withdraw Without Academic Penalty from Summer I</td>
<td>Friday, June 19, 2015</td>
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<tr>
<td>Last Day of Class for Summer I</td>
<td>Thursday, June 25, 2015</td>
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<tr>
<td>Final Exams for Summer I</td>
<td>Thursday, June 25, 2015</td>
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Deadline for the first login: June 6, 2015.