Instructor       Rebecca W. Boren, Ph.D.  
Faculty Associate, Industrial Engineering  
Email: rebecca.boren@asu.edu  
Office: BYENG 317  
Office hours: M & W 2:15 to 3:15 PM and after class.

Class Time       M & W 3:30 to 4:45 PM   Room BYENG 510

Website          http://humanfactors.asu.edu
The website has a lot of useful information. Students should check the website twice a week for updates.

Materials        Required textbooks:  
An Introduction to Human Factors Engineering  
by Christopher D. Wickens, John Lee, Yili Liu & Sallie E. Gordon-Becker  
/ 2nd ed/ Hardcover/ 2003  


Final Evaluation Wednesday, Dec. 14, 2011 at 12:10 to 2:00 PM in our class room. This will be an open book/open notes quiz.

Grading          Grades: Minimum of 90% = A, 80% = B, 70% = C, 60% = D. No pluses or minuses. The percentages are based on the total number of quizzes that we have time for.

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes (reading &amp; concept)</td>
<td>230</td>
</tr>
<tr>
<td>Homework</td>
<td>70</td>
</tr>
<tr>
<td>First Review Quiz</td>
<td>50</td>
</tr>
<tr>
<td>Second Review Quiz</td>
<td>50</td>
</tr>
<tr>
<td>Third Review Quiz</td>
<td>50</td>
</tr>
<tr>
<td>Total for Undergrads</td>
<td>450</td>
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<tr>
<td>Graduate Research Paper</td>
<td>50</td>
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<tr>
<td>Total for Grad Students</td>
<td>500</td>
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</tbody>
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Extra credit is available for students to make up missed quizzes and to enhance the grades on other quizzes.

Cell Phones      Turn them off or set them to vibrate.

Laptop Computers Students are discouraged from bringing them to class because they interfere with the learning process.
Outcomes
As a result of taking this course, students will be able to

- Apply human factors principles to their own design problems.
- Be able to explain the basic human systems of cognition and perception (vision and hearing) and how that affects engineering design.
- Design displays and controls which properly respond to human attributes.
- Specify designs that avoid occupation-related injuries.
- Locate and evaluate published human factors research and how to apply that research to their own design problems.
- Evaluate material on the Internet as to credibility and accuracy.
- Design human computer interfaces for information processing and control.

Policies
A certain level of professionalism is expected in this class. No late work will be accepted. All written assignments must be typed. No assignments may be emailed to the instructor without prior permission. We will be using APA style for citing references (author, date). Read the assigned reading before coming to class. A quiz will be given on the readings. Class members will generate a discussion that will promote the understanding of the concepts. The following class period, a concept quiz will be given in addition to the reading quiz for that day’s topic. No closed-book exams will be given. Three review quizzes will be given: open book/open notes.

Learning is your responsibility. I will be in my office during posted hours. If you cannot make it then, you may see me by appointment. The best way to reach me outside of class is by email.

The Arizona Board of Regents expects two hours of study outside of class for every hour in the classroom. For my class, expect to spend about five hours outside of class each week.

Statement On Cheating
The Industrial Engineering Department has no tolerance for acts of academic dishonesty. The responsibilities of both students and faculty with regard to academic dishonesty are described in detail in the Department's Policy Statement on Academic Dishonesty. By teaching this course, I have agreed to observe all of the faculty responsibilities described in that document. By enrolling in this class, you have agreed to observe all of the student responsibilities described in that document. If the application of that Policy Statement to this class and its assignments is unclear in any way, it is your responsibility to ask me for clarification. More details can be found at [http://students.asu.edu/srr/code](http://students.asu.edu/srr/code).