

Gary M. Bakken, PhD, CPE;

gmb@asi-az.com

(520) 822-5494

Class: Monday & Wednesday
4:30 PM – 5:45 PM
AME S212

Office Hours: Before/after class
By email, Or
By appointment

Course Schedule:

<u>Monday</u>	<u>Wednesday</u>
8/22 Class Logistics & Introduction	8/24 Human Factors/Ergonomics
8/29 Human Factors/Ergonomics Systems	8/31 Human Centric Design Perspective
9/5 Labor Day – No Class	97 Human Centric Design Perspective
9/12 Human Systems Integration	9/14 Work Design
9/19 Work Design	9/21 Biomechanics – Anthropometry – Work Design
9/26 Biomechanics – Anthropometry – Work Design	9/28 Cognition and Decision Making
10/3 Cognition and Decision Making	10/5 Cognition and Decision Making
10/10 Sensory Systems; Auditory, Tactile, and Vestibular System	10/12 Sensory Systems: Visual, Auditory, Tactile, Olfactory, and Vestibular System
10/17 Mid-Term Exam	10/19 Work Physiology
10/24 Work Physiology	10/26 Displays
10/31 Displays	11/2 Controls
11/7 Controls	11/9 Human Error
11/14 Human Error	11/16 Macro Ergonomics
11/21 Human-Computer Interaction	11/23 Human-Computer Interaction
11/28 Stress and Workload	11/30 Safety and Accident Prevention
12/5 Automation	12/7 Automation

Final Examination:

The final exam is scheduled for Tuesday December 13th 2016 from 6:00 PM – 8:00 PM in AME S212.

Grading:

- 20%: Mid-term: Open book, notes: probably short answer
- 20%: Final: Open book, notes: probably short answer
- 35%: Interim Project Reports
 - 5%: Report One
 - 5%: Report Two
 - 5%: Report Three
 - 10%: Report Four
 - 10%: Report Five
- 25%: Final Project Report

The Project Report grades will consist of an individual grade.

Percentages are approximate. Grading criteria and percentages may change with the progress of the class.

A project presentation (if time permits; grade percent probably 10%: other percentages reduced accordingly) Content: persuasive, project quality, validity.

Please refer to “File Names for Documents” file on d2l, for required file name format when submitting any documents.

Grading Scale:

A:	90 – 100
B:	82 – 89
C:	72 – 81
D:	64 – 71
E:	0 – 63

Attendance:

Participation in class discussions will be particularly important if your final grade is borderline. If your participation is satisfactory the grade may be adjusted upward. If your participation is unsatisfactory, your grade may remain as is or adjusted downward. Participation is determined on the association of your name with class attendance, participation in discussions, offering insight to class topics, answering questions, etc.

The UA’s policy concerning Class Attendance, Participation, and Administrative Drops is available at: <http://catalog.arizona.edu/2015-16/policies/classatten.htm>

The UA policy regarding absences for any sincerely held religious belief, observance or practice will be accommodated where reasonable, see: <http://policy.arizona.edu/human-resources/religious-accommodation-policy>

Absences pre-approved by the UA Dean of Students (or Dean Designee) will be honored. See: <https://deanofstudents.arizona.edu/absences>

Students with Special Needs:

Please contact me immediately if you have any special needs which you would like to address and will require accommodation, so that we can discuss different options. You are also welcome to contact the Disability Resource Center (520-621-3268) to establish reasonable accommodations. For additional information on Disability Resources, please visit: <http://drc.arizona.edu/>

Code of Academic Integrity:

Students are encouraged to share intellectual views and discuss freely the principles and applications of course materials. However, graded work/exercises must be the product of independent effort unless otherwise instructed. Students are expected to adhere to the UA Code of Academic Integrity as described in the UA General Catalog. See: <http://deanofstudents.arizona.edu/academic-integrity/students/academic-integrity>.

Classroom Behavior Policy:

To foster a positive learning environment, students and instructors have a shared responsibility. We want a safe, welcoming and inclusive environment where all of us feel comfortable with each other and where we can challenge ourselves to succeed. To that end, our focus is on the tasks at hand and not on extraneous activities (i.e. texting, chatting, reading a newspaper, making phone calls, web surfing, etc).

Threatening Behavior Policy:

The UA Threatening Behavior by Students Policy prohibits threats of physical harm to any member of the University community, including to oneself. See: <http://policy.arizona.edu/education-and-student-affairs/threatening-behavior-students>.

UA Nondiscrimination and Anti-harassment Policy:

The University is committed to creating and maintaining an environment free of discrimination, see: <http://policy.arizona.edu/human-resources/nondiscrimination-and-anti-harassment-policy>

Inclusive Excellence:

Inclusive Excellence is a fundamental part of the University of Arizona's strategic plan and culture. As part of this initiative, the institution embraces and practices diversity and inclusiveness. These values are expected, respected and welcomed in this course.

This course supports elective gender pronoun use and self-identification; rosters indicating such choices will be updated throughout the semester, upon

student request. As the course includes group work and in-class discussion, it is vitally important for us to create an educational environment of inclusion and mutual respect.

Additional Resources for Students Statement

Office of Diversity (<http://diversity.arizona.edu/>)

<http://www.health.arizona.edu/counseling-and-psych-services>

http://oasis.health.arizona.edu/hpps_oasis_program.htm

Subject to Change Statement:

The information contained in the course syllabus, may be subject to change, as deemed appropriate by the instructor.