Classes: SCALE-UP 9:05 - 10:00 AM Mondays, Wednesdays, Fridays
Instructor: David M Kender  
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Office Hours: As posted and by appointment.
Web Page: http://www.cs.wright.edu/~dkender
Learning Assistants: http://www.cs.wright.edu/~dkender/Spring2016ISE2211LearningAssistants.htm

Course Description: Application of statistical analysis techniques including, probability distributions, sampling theory, statistical inference (parameter estimation and hypothesis testing), correlation and regression, and analysis of variance. The use of spreadsheet data analysis application software is emphasized.

Course Objectives: Students will be able to design an experiment and interpret and analyze relevant data using statistical inference methods including hypothesis testing, regression analysis, analysis of variance.

Course Requirements and Evaluation: Students are expected to participate in all scheduled classes. Course grades will be based on several criteria including a subjective evaluation of effort, learning, and understanding. The are no "excused" absences, nor are there any "unexcused" absences, only absences!

Email: Students are responsible for any course related information sent to their official Wright State University email account. It is strongly recommended you check your email as well as the course web page before every class.


Participation (Homework, Attendance, In-Class Activities, Quizzes): Homework will be assigned throughout the quarter. Although homework is not graded, it is nevertheless considered to be an important part of the learning process and students are expected to complete all assignments in a timely manner. Students are encouraged to work collaboratively on the homework problems and to seek help from the recitation teaching assistant as needed. If a student is absent from class, the student is expected to complete all missed in-class activities, however, no credit will be awarded. Frequent quizzes covering the concepts previously discussed in class and/or the ideas that were emphasized in the in-class activates and the homework exercises will be conducted during lecture periods. No makeup quizzes will be available. Students who are absent from class will receive zero participation points for that day.

Recitation: Learning Assistants (recitation instructors) have been assigned to help students. Weekly formal recitation periods and open office hours are TBD. The learning assistants should be your first contact for questions regarding lectures, homework and quizzes.

Tests: A series of ten tests are anticipated for Spring 2016. Please refer to ISE 2211 Spring 2016 Grading Policy for information regarding class absences and make-up tests.

Academic Integrity: The instructor fully endorses the Wright State University policy to uphold and support standards of personal honesty and integrity for all students consistent with the goals of a community of scholars and students seeking knowledge and truth. http://www.wright.edu/students/judicial/

Reasonable Accommodations Policy: Any student with a disability that may prevent them from fully demonstrating their abilities should contact me personally as well as the Office of Disability Services as soon as possible so we can discuss accommodations necessary to ensure full participation and facilitate your educational opportunities.

Grading Criteria: There is no extra credit; course grades are based on test scores and participation points (attendance, in-class activates, and quizzes). Please refer to the ISE 2211 Spring 2016 Grading Policy.

Grades will be awarded as follows:
90 - 100%  A  
80 - 89%  B  
70 - 79%  C  
60 - 69%  D  
< 60%  F
ISE 2211 Statistics for Engineers (Spring 2016) Policy
Regarding Attendance, Absences, and Grades for Participation and Tests

Attendance: The instructor recognizes there are many learning styles and models for the delivery-of-instruction including lecture, seminar, laboratory experience, recitation, self-study and others. The Spring 2016 offering of ISE 2211 is based on the SCALE-UP (Student Centered Active Learning Environment - Upside Down Pedagogy) concept which places particular emphasis on attendance and class participation. As such, the following general policy shall apply.

Participation: A participation grade will be determined based on Attendance, In-Class Activities, and Quizzes. A composite participation score of approximately 10 percent will be used in determining the overall grade for the course.

Absences: The are no "excused" absences, nor are there any "unexcused" absences, only absences! Students who are absent from class will receive zero participation points for that day. No makeup quizzes or in-class activates points will be available; however students are responsible for completing these learning opportunities on their own.

Tests: A series of ten tests or so (two tests every three weeks on average) are anticipated for Spring 2016 ISE 2211. The course is divided into two main subject areas, statistics (descriptive and inferential) and probability (axioms and distributions). In general, a course test score average will be calculated by eliminating the lowest test score from the statistics related topics (Test 1 - 7) and the lowest test score from the probability related topics (Test 8 - 10) . A missed test will count as zero points. Approximately 90 percent of the test score average will be added to the composite participation score in determining the overall grade for the course.

Exceptions: The instructor recognizes that from time to time, students may not be available for scheduled tests. These absences, both planned and unplanned, occur for a number of reasons. In order to be fair to all students and to lessen the possibility of compromising test integrity, no make-up tests will be available. Instead, all missed tests will receive zero points. Since the lowest score will be eliminated when calculating the overall test average, there is no penalty per se for a missed test, and as such there are no make-up tests available.

In general, this missed test policy will apply to all instances of missed tests, except in very rare and special cases. If in the judgment of the instructor special circumstances apply, modifications to the above policy may be made on a case by case basis. A temporary grade of "I" will not normally be given based solely on a missed test. Note: Absences due to work related activities including military duty, extra-curricular activities including sports participation and other university sponsored events, personal and routine family related circumstances are not usually considered special circumstances.