MATH-30011 Basic Probability and Statistics
Spring 2007. Professor Oana Mocioalca
Classroom and time: MSB 158, 7PM–8:15PM
Office: MSB 308,
Office Hours (tentative): T: 3:30PM-5:30PM
W: 3:30PM to 4:30PM, or by appointment
Phone: 330-672-9083
e-mail: oana@math.kent.edu
web page: www.math.kent.edu/~oana/math30011

Suggested additional reading: Dawson, L.G., Excel Manual for Moore and McCabe’s, 5th ed.

Main topics of the course
• Descriptive statistics
• Basic probability theory
• Inferential statistics

Grading scheme
• Homework assignments: 20%
• Projects: 10%
• Midterms: 40%
• Final exam: 30%

Homework:
Will be collected on Wednesday, before class starts, The homework problems will be posted on the web. The dates when the homework is due are fixed; for that reason I will not answer e-mails regarding when or what is the homework due. If you did not turn in the homework on time, I still encourage you to solve it, since in the midterms and final exam you will get some problems similar to the ones in the homework; also, if you turn it in by the following Monday it will be graded for a maximum score of 50%. After that, late homeworks will not be graded for any reason.

You should have complete explanations in the solution of each problem. Copying the answer from the back of the book will not earn you any credit. Also, see the note below about plagiarism⁴.

Projects: One or two projects will be assigned during the course.
Midterms’: We will have four in-class midterm exams.
**Final Exam:** The final exam is comprehensive and will be given at the time and place assigned by the University. Signs of collaboration or plagiarism\(^1\) will be dealt with harshly.

**Calculators and computers:** In order to work on some of the homework problems and projects, you will need access to a computer with Microsoft Excel.

Also, you will need a calculator with basic statistical functions built in; it does not need to have graphing abilities. It will be your responsibility to read and understand the instructions for using your calculator.

**Disability:**

In accordance with University Policy, if you have a documented disability and require accommodations to obtain equal access in this course, please contact the instructor at the beginning of the semester or when given an assignment for which an accommodation is required. Students with disabilities must verify their eligibility through the Office of Student Disability Services (SDS) in the Michael Schwartz Student Services Center (672-3391).

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\(^1\)Plagiarism is the act of presenting someone else’s work as your own. This includes finding the answer of a given problem in a book, in someone else’s assignment, and copying it. Plagiarism in a mathematical assignment is very easy to detect as a correct solution to a mathematical problem is almost never unique. See attached pages on university’s statement on academic dishonesty.
STATEMENT ON ACADEMIC DISHONESTY
Excerpted from the University’s Administrative policy and procedures regarding student cheating and plagiarism. Policy #3342-3-07
(A) Policy statement. It is the policy of the university that:
(1) Students enrolled in the university, at all its campuses, are to perform their academic work according to standards set by faculty members, departments, schools and colleges of the university; and
(2) Cheating and plagiarism constitute fraudulent misrepresentation for which no credit can be given and for which appropriate sanctions are warranted and will be applied.
(B) Intent and scope of the policy.
(1) In providing this policy, the university affirms that acts of cheating and plagiarism by students constitute a subversion of the goals of the institution, have no place in the university and are serious offenses to academic goals and objectives, as well as to the rights of fellow students.
(2) It is the intent of this policy to provide appropriate sanctions, to provide fair and realistic procedures for imposing those sanctions, to provide safeguards for any student suspected of cheating or plagiarism, and to coordinate the policy with procedures of the code of student conduct, rule 3342-4-15 of the Administrative Code and of this register.
(3) This policy applies to all students of the university, graduate and undergraduate, full or part-time, whose conduct is of such a nature prohibited by the policy. Other offenses of a nonacademic nature are covered by the code of student conduct, rule 3342-4-15 of the Administrative Code and of this register.
(C) Definitions. As used in this rule:
(1) “Cheat” means intentionally to misrepresent the source, nature, or other conditions of academic work so as to accrue undeserved credit, or to cooperate with someone else in such misrepresentation. Such misrepresentations may, but need not necessarily, involve the work of others. As defined, cheating includes, but is not limited to:
(a) Obtaining or retaining partial or whole copies of examination, tests or quizzes before these are distributed for student use;
(b) Using notes, textbooks or other information in examinations, tests and quizzes, except as expressly permitted;
(c) Obtaining confidential information about examinations, tests or quizzes other than that released by the instructor;
(d) Securing, giving or exchanging information during examinations;
(e) Presenting data or other material gathered by another person or group as one’s own;
(f) Falsifying experimental data or information;
(g) Having another person take one’s place for any academic performance without the specific knowledge and permission of the instructor;
(h) Cooperating with another to do one or more of the above; and
(i) Using a substantial portion of a piece of work previously submitted for another course or program to meet the requirements of the present course or program without notifying the instructor to whom the work is presented.
(j) Presenting falsified information in order to postpone or avoid examinations, tests, quizzes, or other academic work.
(2) “Plagiarize” means to take and present as one’s own a material portion of the ideas or words of another or to present as one’s own an idea or work derived from an existing source without full and proper credit to the source of the ideas, words, or works. As defined, plagiarize includes, but is not limited to:
(a) The copying of words, sentences and paragraphs directly from the work of another without proper credit;
(b) The copying of illustrations, figures, photographs, drawings, models, or other visual and nonverbal materials, including recordings, of another without proper credit; and
(c) The presentation of work prepared by another in final or draft form as one’s own without citing the source, such as the use of purchased research papers.