Syllabus - Math 573 -01 – Spring 2019

Instructor: Martial Longla  E-mail: mlogla@olemiss.edu
Phone: 662-915-7436  Office: Hume 308  Office Hours:
Tu,Th: 8:00-9:15 or by appointment

Class Time:  9:30-10:45  Location:  Hume 331

Textbook:  A First Course in Probability, 8th edition,
by Sheldon Ross/ Pearson,NJ.

Course description/learning objectives:
This course is an introduction applied probability. The course will emphasize on understanding the
theory of probability and knowing how to apply it in various models that include uncertainty. Proofs
are given only when they are simple and illuminating. The course covers the basic axioms of
probability, basic combinatorics notions. Among other topics covered are joint, marginal, and
conditional distributions, conditional and unconditional moments, correlations and independence,
the weak law of large numbers, Tchebycheff’s and Markov inequalities, Central Limit Theorem
and applications, linear regression, distributions of quadratic forms and linear modifications of
multivariate Gaussian vectors and introduction to mixing coefficients for discrete variables.

Homework/quizzes, tests, and final exam:

- There will be three major tests, each counting 100 points.
- The final examination is comprehensive and will count 200 points.
- Homework/quizzes (100 points) will be given throughout the semester.
- The questions on three tests and the final exam will be similar in format to the examples
  in class and the homework/quiz problems.
- The lowest of the three major test grades will be replaced by the final exam percentage
  provided that this percentage is higher.

Grading policy:

A:  ≥ 93%,  A-:  ≥ 90%,  B+:  ≥ 87%,  B:  ≥ 83%,  B-:  ≥ 80%,
C+:  ≥ 77%,  C:  ≥ 70%,  D:  ≥ 60%,  F:  < 60%.

Attendance policy:

- Attendance is directly correlated with course success. You are expected to attend all classes
  and to be on time and prepared. Attendance will be recorded daily. It is the student’s
  responsibility to make sure his/her attendance record is correct.
- Students who do not attend class within the first two weeks will be dropped automatically.

IMPORTANT POLICY:

1. Students must show all work on tests and the final exam in order to receive full credit.
2. Each student is responsible for all work missed due to absences.
3. If a test is missed for any reason, a grade of 0 will be given. There will be no make up tests
given for any reason other than official university functions. Any student who must miss
an exam because of an official university function may reschedule the test before the test is originally scheduled. This is the only rescheduling allowed.

4. An "I" grade will not be given without the permission of the Department of Mathematics.

5. Any student having three or more final examinations scheduled for the same day will arrange with the instructor to take the noon examination or the 7:30 p.m. examination on some other mutually satisfactory date.

6. Every student must take the final exam at the time scheduled. The only exceptions are those students affected by # 3 or # 5 above.

**CALCULATORS:** Electronic calculators and cellular phones are prohibited on tests and quizzes.

**ELECTRONIC DEVICES:** All cellular phones and other electronic equipment should be turned off during the class period.

**CHEATING:** The following statement is the policy of the Department of Mathematics regarding cheating:

- **Offenses:** Cheating on any exam or quiz, theft or attempted theft of exam questions, possession of exam questions prior to the time for examination, or the use of an illegal calculator on tests or quizzes shall all be offenses subject to appropriate penalties.

- **Penalties:** The penalty for commission of any offense set out above is failure in the course and, subject to the approval of the Chancellor, dismissal or suspension from the University.

**WITHDRAWAL DEADLINE:** Monday, March 4.

After the Course Withdrawal Deadline, courses dropped will be recorded on University records and the W grade will be recorded if the student is not failing the course at the time of withdrawal; otherwise the grade recorded will be F. After the course withdrawal deadline, a student may drop a course only in cases of extreme and unavoidable emergency as determined by the academic dean; dropping a course after the deadline will not be permitted because of dissatisfaction over an expected grade or because the student is changing his/her major.

**DISABILITY ACCESS AND INCLUSION:** The University of Mississippi is committed to the creation of inclusive learning environments for all students. If there are aspects of the instruction or design of this course that result in barriers to your full inclusion and participation, or to accurate assessment of your achievement, please contact the course instructor as soon as possible. Barriers may include, but are not necessarily limited to, timed exams and in-class assignments, difficulty with the acquisition of lecture content, inaccessible web content, and the use of non-captioned or non-transcribed video and audio files. If you are approved through SDS, you must log in to your Rebel Access portal at [https://sds.olemiss.edu](https://sds.olemiss.edu) to request approved accommodations. If you are NOT approved through SDS, you must contact Student Disability Services at 662-915-7128 so the office can: 1. determine your eligibility for accommodations, 2. disseminate to your instructors a Faculty Notification Letter, 3. facilitate the removal of barriers, and 4. ensure you have equal access to the same opportunities for success that are available to all students.