



Syllabus

Course title: Statistics

Course number: STAT 100

Course description:

Statistics

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Final project: (during the end of the semester) on a topic of student's choice, but it must be related to statistical analysis.

Grading: A: 100-93% A-:92-89% B+: 88-85% B: 84-80% B-: 79-76 %
C+:75-72% C: 71-68% C-:67-65% D+:64-60% D: 59-56%
D- : 55-50% F: <50%.

Policy on make-up tests and late work: If a student cannot attend an exam or hand in homework on time because of a legitimate problem, for example, because of a significant

health, he or she can make up the respective assignment.

Required Texts: A large portion of the course material is covered in the book by R.K. Patheria and Paul D. Beale, *Statistical Mechanics*, 3rd Edition (Elsevier, New York, 2011.) If supplementary material is needed, this will be distributed in class.

Supplementary Texts:

P.M. Chaikin and T.C. Lubensky, *Principles of condensed matter physics* (Cambridge university press, New York, 2000.)

Mehran Kardar, *Statistical physics of particles*, Cambridge (2007).

James D. Sather, *Statistical Mechanics: Entropy, Order, Parameters, and Complexity*

