

***** http://pegasus.cc.ucf.edu/~nuddin/Stat_Methods_I/Websta2023_Spring2013.htm *****

- **Class Time, Days and Place:** 12:00PM - 1:15PM, Tuesday and Thursday, PSY 108
- **Instructor:** Dr. Nizam Uddin **Office:** Technology Commons (also known as Computer Center II) -208
- **Phone:** 407 - 823 - 2692, **E-mail:** nizam.uddin@ucf.edu
- **Office Hours:** Tuesday and Thursday: 1:30 - 2:45PM. Other hours by appointment.
- **(GTA Office Hours:** Location- Technology Commons (also known as Computer Center)-215; Visit course webpage for hours.)
- **Textbook and Required Materials:** Statistics, 12th Edition by McClave and Sincich; Scientific Calculator; Five Scantron- Raspberry color with UCF logo (50 questions on front page); photocopy of Binomial Probabilities (Table II, pages 765-768), Normal Curve Areas (Table IV, page 773) and Critical Values of t (Table VI, page 775).
- **Topics:** Chapters 1 - 9. Some optional sections will be omitted.

Chapters 1-2: Descriptive Statistics :

Classification and Organization of Data (e.g., frequency distributions, simple and cross tables), *Graphical Presentation of Data* (e.g., histogram, bar chart, pie chart), *Numerical Description/Summarization of Data*, Measures of Location or Central Tendency (mean, median, mode), Measures of Dispersion or Variability or Spread (range, standard deviation, variance), Measures of Relative Standing or Position (percentiles, quartiles, z-scores).

Chapters 3-6: Probability and Probability Distributions:

Elementary concept of probability, Rules of Probability, Conditional Probability. Discrete and Continuous Random Variables and their probability distributions, Binomial probability distributions, Normal Distributions, Normal approximation for a binomial distribution, Concept and properties of sampling distributions, Central Limit Theorem.

Chapters 7 - 9: Inferential Statistics based on one and two samples:

Utilize Sample Data to Make Point and Interval Estimate of Mean and Proportion, Difference Between Two Means and Two Proportions, Tests of Hypotheses about Mean(s) and Proportion(s), sample size determinations.

- **Attendance:** Attendance is mandatory. It is your responsibility to learn the material due to missed classes. Lecture notes taken by a GTA will be available in CCII- 215.
- **Homework:** Read all definitions and examples in all sections covered in class. Solve some problems listed at the end of each section. It is strongly recommended that you do most odd numbered problems from chapter exercises. A short list of problems (with answers to even numbered problems) are listed on course web page which also contains summary of class lectures by chapters. Listed problems will not be collected for grading. I strongly recommend that you read chapter/lecture notes posted on course webpage before and after each class, and redo all problems solved in class.
- **Examinations:** All examinations will be closed book and closed notes, but you will be allowed to use a formula sheet (please print from course webpage). Exam dates (may change by a class day, if necessary) are shown below. Bring a scientific calculator, formula sheet, normal-, binomial, and t-distribution tables in each class, and UCF ID card and scantron on exam days. No make-up exams. If you miss an exam due to a documented emergency, email me and see me ASAP.

Exam 1 (01/29/13):	Chapters 1 - 2 (18%)	
Exam 2 (02/26/13):	Chapters 3 - 4 (18%)	
Exam 3 (03/21/13):	Chapters 5 - 6 (18%)	
Exam 4 (04/11/13):	Chapters 7 - 8 (18%)	
Exam 5 (04/25/13):	Chapters 1 - 9 (18%)	*** This is your comprehensive final exam ***
Minute Papers:	Ten of twelve surprise minute papers on Chapters 1- 9 (10%)	

*** Each minute paper will be graded out of ten. You will be considered absent the day you miss a minute paper and will receive -2 for the missed paper. Lowest two scores of the twelve minute papers will be dropped ***

- **Grading:** Total percentage score earned (= 0.18*(% in exam 1 + % in exam 2 + % in exam 3 + % in exam 4 + % in exam 5) + 0.10*(% in ten minute papers)) will be used to calculate your grade in the following fashion:

Percentage earned	Course Grade
90% – 100%	A
80% – under 90%	B
70% – under 80%	C
60% – under 70%	D
0% – under 60%	F

- **Withdrawal Deadline:** Monday (11:59 PM), March 11, 2013.
- **Final Exam:** 10:00AM - 12:50PM, Thursday, April 25, 2013
- **Other:** Students must follow the University standards for personal and academic conduct as outlined in The Golden Rule. Arrive on time, and do not leave early. You are welcome to ask questions during the lecture. B⁺, C⁺, and D⁺ grades will be assigned to those scoring near the upper limit of the intervals for B, C, and D, respectively.