## STA570 – Nonparametric Statistics SPRING 2008 – Course Syllabus

**Instructor**: Dr. Ananda Bandulasiri

**Office** : LDB 439H **Phone** : 294-4894

**Office Hours**: TTh 9:30am – 12:30pm or By appointment

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**Text**: Practical Nonparametric Statistics By Conover (3<sup>th</sup> Edition)

**Material Covered**: Chapter 1 – Chapter 6 (Topics include order statistics, contingency analysis, rank tests (Wilcoxin signed-rank test, Mann-Whitney U test and others), distribution- free tests of location and scale, Kendall's tau and related areas)

**Software:** MATLAB, SAS

**Learning Outcomes**: Gaining an awareness of the need for nonparametric statistical techniques as alternatives to parametric methods. At the conclusion of the course students will have a clear understanding about the topics listed in the book with the ability to apply the techniques in problems related to the sciences.

**Assessment:** Continuous assessment of the progress of the course will occur via ongoing communication between the instructor and students. To this end all students are encouraged to ask questions during class and seek the instructor's help out of class when needed. Please read the sections about HW, quizzes and exams for further details.

**Attendance:** Class attendance is **extremely important** to succeed in this course. Roll will be taken at class meetings. Late arrival, leaving class early and forgetting to sign the roll sheet are counted as absences.

**Homework & Assignment**: Homework and other assignments will be assigned and collected regularly. You are encouraged work as groups. However, you must write/type your answers **INDEPENTENLY**.

Missed Work: There will <u>not</u> be any make-up examinations. Every missed examination will result in zero unless you have a valid (written) excuse from a proper authority (Example: a letter from Dean of Students). In the event your excuse is acceptable, the score you earn on the final exam will replace missed exam score. No make-up quizzes. No late homework will be accepted (even with good reasons).

## **Grading Policy:**

Midterm Exams40 pointsClass Project10 pointsHomework and Other Assignments25 pointsThe comprehensive final exam25 points

## **Grading Scale**

90 and above A, 80 - 89 B, 70 - 79 C, 60 - 69 D, 0 - 59 F

## **Important Dates:**

Midterm exam1 - February 28, 2008
Midterm exam2 - April 1, 2008
Class Project part I (Introduction) due - March 20, 2008
Class Project part II(Final Paper) due - May 1, 2008
Last class day - May 8, 2008
Final examination (9:30am – 11:00am) - May 13, 2008

**Civility in the Classroom**: Students are expected to assist in maintaining a classroom environment which is conductive to learning. **Please turn off cell phones and beepers. No newspapers.** 

**Academic Dishonesty:** All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain complete honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action. The University and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including, but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials.

**Students with Disabilities:** It is the policy of Sam Houston State University that no otherwise qualified disabled individual shall, solely by reason of his/her handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any academic or Student Life program or activity. Disabled students may request assistance with academically related problems stemming from individual disabilities by contacting the Director of the Counseling Center in the Lee Drain Annex or by calling (936) 294-1720.

**Religious Holidays:** University policy states that a student who is absent from class for the observance of a religious holy day must be allowed to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence. Students must be excused to travel for observance of a religious holy day. A student who wishes to be excused for a religious holy day must present the instructor with a written statement describing concerning the holy day(s) and the travel involved. The instructor should provide the student with a written description of the deadline for the completion of missed exams or assignments.