

**LECTURE NOTES  
&  
HOMEWORK PROBLEMS**

**BIOE 811: BIostatISTICS FOR THE HEALTH SCIENCES I**

**COURSE DIRECTOR: BETSY TOLLEY, PH.D.**

**BIOE 811****BIostatistics FOR THE HEALTH SCIENCES I  
FALL, 2008**

**Professor:** Betsy Tolley, Ph.D.  
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**Office Hours:** After class or by appointment  
**Class Hours:** 8:15 - 9:15 A.M.; Monday, Tuesday, and Friday.  
**Class Location:** Room 400, 66 N. Pauline Street, Doctors Office Building

**Texts:** Bernard Rosner, Fundamentals of Biostatistics, 6<sup>th</sup> Ed.

**Recommended Supplementary Texts:**

Robert R. Sokal and F. James Rohlf. Biometry: The Principles and Practices of Statistics in Biological Research, 3<sup>rd</sup> Ed.

Lora D. Delwiche and Susan J Slaughter, The Little SAS<sup>®</sup> Book: A Primer, 3<sup>rd</sup> Ed.

**Lecture Notes:**

Lecture notes are available on the Preventive Medicine website <<http://www.utm.edu/prevmed/>>. You will need to have a two-inch three-ring binder in which to hold your lecture notes. You may either print the pdf files to three-hole punched paper or hand-punch regular paper to fit in your binder. Dividers may be useful in separating various portions of your lecture notes. Hand-written notes that you take in class may be easily placed with your printed lecture notes.

**Exams & Grading:**

There will be three exams, all of which will be both open-book and open-note. These exams will be administered during the class period (i.e., **not** "take-home"). Final grade is determined by module 1 (exam 1) (33.3%), module 2 (exam 2) (33.3%), and module 3 (exam 3) (33.3%).

**Calculator:**

You will need to have a calculator that has a  $\Sigma$ -key and performs advanced statistical functions.

**Reading:**

Assignments should be read before scheduled class discussions.

**Computer:**

You must have access to a desktop or laptop personal computer so that you can complete your assignments using Microsoft Excel<sup>®</sup> and SAS<sup>®</sup> statistical software. There are a limited number of desktop personal computers available for student use in the Preventive Medicine Computer Laboratory in Room 600.

**Excel<sup>®</sup>:**

Throughout this course, you will need to have access to Microsoft Excel<sup>®</sup> on a desktop or laptop computer.

**SAS<sup>®</sup> Software:**

You must purchase or have access to SAS<sup>®</sup> software. A license must be purchased for \$63.80 from UTHSC General Stores. Directions for obtaining this license will be distributed at a later time.