課程名稱  生物統計 (Biostatistics)
科目碼  P862900   學分數  3
授課學期  101學年度 第2學期
上課時間  [5]2~4     教室  醫技醫工館5725
授課教師  生物醫學工程學系 胡晉嘉 助理教授
授課對象  碩博

課程目標  Objective:
To learn basic principles of summarizing and presenting data and to familiarize you with basic concepts and vocabulary of statistical inference and analysis.

課程綱要  Outline:
I. Introduction and Descriptive Statistics
II. Probability and Probability Distributions
III. Sampling Distributions
IV. Estimation with Confidence Intervals
—First midterm
V. Hypothesis Testing
VI. Analysis of Variance (ANOVA)
—Second midterm
VII. Simple Linear Regression and Correlation
VIII. Categorical Data Analysis
—Final exam

教科書  Textbook:

課程進行方式、課程要求及評分標準：
Lectures will be given in the order listed above.

General policies:
- Homework is due prior to the lecture. No late homework will be accepted.
- Final exam is COMPREHENSIVE.
- No make-up exams except in case of medical emergencies.

Grading:
Two Midterm (20% each)
Homeworks (20%)
Final Exam (40%)
In-class quiz (extra credit)