

重新查詢

友善列印

0981學期 課程基本資料

系所 / 年級	健管系碩士(健管) 1年級	課號 / 班別	33M00061 / C
學分數	3學分	選 / 必修	必修
科目中文名稱	應用統計學專論	科目英文名稱	Applied Statistics
主要授課老師	李采娟	開課期間	一學年之上學期
人數上限	30 人	已選人數	6人

起始週 / 結束週 / 上課地點 / 上課時間

第1週 / 第18週 / H315 / 星期1第02節
第1週 / 第18週 / H315 / 星期1第03節
第1週 / 第18週 / H315 / 星期1第04節

請各位同學遵守智慧財產權觀念；請勿非法影印。

教學綱要

一、教學目標(Objective)	The objective of this course is to provide an introduction to the study of biostatistics. It provides comprehensive coverage of the major components involved in dealing with collections of numbers and ways in which to summarize, explore, and explain them, probability, sampling, methods of statistical inference and biostatistical concepts that are applied in public health and clinical research.
二、先修科目(Pre Course)	No
三、教材內容(Outline)	Students need to learn the concepts of numerical summary measures, probability, theoretical probability distributions, sampling distribution of the mean, confidence intervals, hypothesis testing, comparison of two means, nonparametric methods, analysis of variance, contingency table, multiple 2x2 contingency tables, correlation, simple linear regression and multiple linear regression.
四、教學方式(Teaching Method)	Each week includes a 40-minute quiz, and two 50-minute lectures. We'll read two published papers to see how these analytic methods are applied in research. Students will have the opportunity to use the computer if the lab is available. These labs reinforce the material covered in the lectures, review the homework assignments, and provoke discussion.
五、參考書目(Reference)	Principles of Biostatistics, Marcello Pagano & Kimberlee Gauvreau, Duxbury, 2000.

2009/9/21	Introduction to the Course	李采娟
2009/9/28	Principles of Biostatistics: Numerical Summary Measures	李采娟
2009/10/5	Principles of Biostatistics: Probability	李采娟
2009/10/12	Principles of Biostatistics: Theoretical Probability Distributions	李采娟
2009/10/19	Principles of Biostatistics: Sampling Distribution of the Mean	李采娟
2009/10/26	Principles of Biostatistics: Confidence Intervals	李采娟
2009/11/2	Principles of Biostatistics: Hypothesis Testing	李采娟
2009/11/9	Principles of Biostatistics: Comparison of Two Means	李采娟

六、教學進度(Syllabi)

2009/11/16	Mid-term examination (No examination)	李采娟
2009/11/23	Principles of Biostatistics: Nonparametric Methods	李采娟
2009/11/30	Principles of Biostatistics: Analysis of Variance	李采娟
2009/12/7	Principles of Biostatistics: Contingency Table	李采娟
2009/12/14	Principles of Biostatistics: Multiple 2x2 Contingency Tables	李采娟
2009/12/21	Principles of Biostatistics: Correlation	李采娟
2009/12/28	Principles of Biostatistics: Simple Linear Regression	李采娟
2010/1/4	Principles of Biostatistics: Multiple Linear Regression	李采娟
2010/1/11	Principles of Biostatistics: Logistic Regression	李采娟
2010/1/18	Final examination	李采娟

七、評量方式(Evaluation)

12 quizzes (60%), one paper-reading report (10%), and one final examination (30%)

八、講義位址(<http://>)

九、教育目標

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