

교과목명	통계학		학수번호		이수		학점	
강의시간		강의실						
선수과목			공학인증 이수구분					
교수소속		교수성명	이하늘	연락처				
e-mail		연구실		지도상담시간				
홈페이지/카페			조교					

강의 개요

Presents statistical methods relative to research design for health professionals, with introduction to SPSS statistical package for computer data analysis.
 Discusses philosophical approaches to scientific inquiry, range of research designs, roles of variables, and ethics. Introduces students to appropriate descriptive statistics and graphs for the different levels of measurement, probability concepts and the binomial and normal distributions.

강의 목표

This course is designed to increase the student's knowledge of and appreciation for the value of research in education, the health professions, and clinical practice. By the end of the quarter, it is expected that the student will know and understand basic research terminology and the steps in the research process and will be able to critically evaluate research literature. The student will understand and be able to choose, calculate, and graph appropriate descriptive statistics for research data. The student will be able to use the fundamental laws of probability and calculate probabilities for the Binomial and Normal distributions.

강의 진행방법

Class sessions will include lecture and computer practice focusing on readings and the related class assignments. Readings must be completed prior to class.
 Also, computer practice will be a big portion of the class after the mid-term.

평가요소	성적 평가방법	비율
출석	결석 4회 이상의 경우 F로 처리됨	10
중간고사	객관식 및 주관식 점수별 차등적 평가 (객관식 및 단답형)	25
기말고사	객관식 및 주관식 점수별 차등적 평가 (객관식 및 단답형)	25
레포트	4회의 개인별 레포트를 제출함. 수행 정도에 따라 차등적으로 점수를 부여함. 각 5%	20
그룹 프로젝트		0
기타	통계 SPSS 실습	20
합 계		100

교과목명	통계학		학수번호	M2982001	이수	전선	학점	3
강의시간	월1, 수2, 수3	강의실	(M)간호대학-306, (M)보건과학대학-814					

과제명 및 과제작성 방법안내	제출일	제출물 유형 및 제출방법
Guided Evaluation 1	9/27	Form will be given
Guided Evaluation 2	10/25	Form will be given
Guided Evaluation 3	11/29	Form will be given
Guided Evaluation 4	12/20	Form will be given

* 과제지연시 패널티 기준 :

구분	교재명	저자	출판사	출판년도
주교재	The basic Practice of Statistics	David S. Moore	FREEMAN	2010
부교재	Statistics for People Who hate Statistics	Neil J. Salkind	SAGE	2013
참고자료	알기쉬운 연구방법론	박지환	법문에듀케이션	2015

강의 규정 (학습자 유의사항)
1. Students are expected to attend all session. Call the deptment or instructor regarding unavoidable absence so the course instructor can be notified. The instructor must be notified of absence for any course activity. Unexcused absence affects the course grade. 2. If a student is more than 20 minutes late for a lecture he or she will not receive any attendance points for the class period. 3. A sign-up sheet will be in every class sesion and possible at the end of the lectures for the students to sign in. 4. More than 4 absences may be cause for failing the course. 5. Any of dishonesty including plagiarism, giving or obtaining information in examinations or other academic exercises, or knowingly giving false information is unacceptable for students. 6. Assignments must represent the original work of each student.

장애학생 지원내용
If you have special needs or need assistance, please notify the department office or course instructor immediately. Reasonable efforts will be made to accommodate your special needs.

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주차	기간	수업내용 및 학습활동						
1	09/01 ~ 09/07	Introduction to Research Methods/ Classifying Research						
2	09/08 ~ 09/14	Populations, Variables and their Roles in Research Studies						
3	09/15 ~ 09/21	Research Design						
4	09/22 ~ 09/28	Sampling Randomization & Threats to Validity						
5	09/29 ~ 10/05	Research Ethics & Elements of a Research Report						
6	10/06 ~ 10/12	Descriptive Statistics						
7	10/13 ~ 10/19	Hypothesis Testing Concepts						
8	10/20 ~ 10/26	Midterm						
9	10/27 ~ 11/02	Frequency Tables and Graphs						
10	11/03 ~ 11/09	Probability & the Binomial Distribution						
11	11/10 ~ 11/16	Normal Distribution & Confidence Intervals						
12	11/17 ~ 11/23	Paired and Independent t-tests						
13	11/24 ~ 11/30	ANOVA & Tests for Proportions						
14	12/01 ~ 12/07	Power and Sample Size						
15	12/08 ~ 12/14	Correlation & Regression						
16	12/15 ~ 12/21	Final						