

2014학년도 1학기

강의계획서

1. 강의정보

교과목명	Statistics and analysis		
이수구분	전선	학점	3
수업시간	3	강의실	비전타워 509

2. 담당교수정보

교수명	이완희
연구실	
전화번호/휴대폰	
이메일	_____
학생상담지도시간 (office hour)	Generally available after class for a brief time (You can email me to make an appointment in advances so that I can reserve that time for you).
홈페이지/카페	http://professor.gachon.ac.kr/main/main.jsp?Forum_seq=77865&sso=ok

3. 강의개요

<p>This course is designed to emphasize the basic uses of statistics in research in social science. This will provide you with an accessible but sophisticated knowledge of statistics that can be employed to examine human behaviors, social problems, and real-life criminal justice problems.</p> <p>The main objective of this class is to enhance your capacity to utilize knowledgeable information that you will come across in various research studies. Accordingly, the crucial point of this course is a clear understanding of statistics concepts not simply memorizing statistical techniques or equations.</p>
--

4. 강의목표

이 강의를 수강한 후 학생들은 다음과 같은 능력을 성취할 수 있습니다.

학습성과 1	You should be able to understand the basic concepts and goals of specific statistical tests that we cover, but more importantly when to use them and why.
학습성과 2	Problems in frequency distribution, measures of location and variation, probability and sampling, tests of hypotheses and significance, linear regression and correlation, and time series analyses will be discussed in this class.
학습성과 3	This course might be challenging, but nevertheless quite informative to you who want to gain fundamental understanding of statistics in social science.

5. 강의진행방법

To gain the most from this course, it is essential that you attend class regularly. Successful learning and understanding requires class attendance and active participation in classroom discussions. Good attendance will likely enhance your test scores.

6. 성적평가 및 방법

평가요소	평가방법	비율(%)
Attendance	More than three absences will result in the drop in the final grade by one letter grade. And, more than four ABSENCES will result in FAILURE of this course.	10
Mid-term	in class exam (no makeup)	30
Final	in class exam (no makeup)	30
Quizzes	unannounced quizzes (no makeup)	10
Homework	SPSS practice and analysis	10
in-class activity (SPSS)	SPSS exercises	10
합계		100

7. 과제

과제명 및 과제작성 방법안내	제출일	제출물 유형 및 제출방법
Homework will consist of completing class work assignment, keeping a journal that we will discuss in class, and any other assignments that will be given to you throughout the semester.	every week	e-class

- * 과제 제출 지연 시 지연 사유를 교수자에게 연락해야 하며 1일당 10%씩 감점, 최대 3일 지연 가능

8. 교재 및 참고 자료

구분	교재명	저자	출판사	출판년도
주교재	Essentials of statistics for the Behavioral Sciences	Frederick J. Graetter	Cengage Learning	2013
부교재				
참고자료				

9. 강의 규정 : 학습자 유의사항

<ul style="list-style-type: none"> • 본 수업은 학칙시행규정 제26조 ①항에 따라 상대평가 하는 것을 원칙으로 한다. • 지각 3회는 1회 결석으로 간주하며 4회 이상 결석은 F처리 된다. • 중간고사와 기말고사 중 1회는 반드시 치러야 하며, 모두 치르지 않는 경우 F처리 된다. • 수업 중 핸드폰이 울릴 경우 타 학습자의 수업에 방해가 되므로 반드시 off로 해야 한다. • 교수자와의 연락은 이클래스 또는 이메일을 원칙으로 한다.

10. 장애학생 지원내용

본 과목을 수강하는 장애학생은 수업에 필요한 별도의 지원이 필요한 경우, 담당 교강사 및 학과 사무실로 필요한 사항을 요청하시기 바랍니다.

강의일정표

주차	수업내용 및 학습활동
1 (9/7)	<ul style="list-style-type: none"> ■ 수업주제 :Course Orientation & introduction to statistics ■ 수업내용 : introductions ■ 수업방법 : lecture & in class discussion ■ 유의사항 <p style="margin-left: 2em;">•Students must complete all required reading assignments prior to the scheduled class</p>
2 (9/14)	<ul style="list-style-type: none"> ■ 수업주제 : introduction to statistics ■ 수업내용 : terminology and special notation of statistical analysis ■ 수업방법 : lecture & in class activity ■ 유의사항 <p style="margin-left: 2em;">Students must complete all required reading assignments prior to the scheduled class</p>
3 (9/21)	<ul style="list-style-type: none"> ■ 수업주제 : inferential statistics ■ 수업내용 : The concept of inferential statistics ■ 수업방법 : lecture & in class activity ■ 유의사항 <p style="margin-left: 2em;">Students must complete all required reading assignments prior to the scheduled class</p>
4 (9/28)	<ul style="list-style-type: none"> ■ 수업주제 : descriptive statistics ■ 수업내용 : measuring central tendency (mean, median, mode), variability ■ 수업방법 : lecture & in class activity ■ 유의사항 <p style="margin-left: 2em;">Students must complete all required reading assignments prior to the scheduled class</p>

주차	수업내용 및 학습활동
5 (10/5)	<ul style="list-style-type: none"> ■ 수업주제 : spss lab1 ■ 수업내용 : spss lab ■ 수업방법 : lecture & in class activity ■ 유의사항 <p>Students must complete all required reading assignments prior to the scheduled class</p>
6 (10/12)	<ul style="list-style-type: none"> ■ 수업주제 : probability ■ 수업내용 : frequency distribution, central tendency, normal distribution ■ 수업방법 : lecture & in class activity ■ 유의사항 <p>Students must complete all required reading assignments prior to the scheduled class</p>
7 (10/19)	<ul style="list-style-type: none"> ■ 수업주제 : estimation ■ 수업내용 : point & interval estimation ■ 수업방법 : lecture & in class activity ■ 유의사항 <p>Students must complete all required reading assignments prior to the scheduled class</p>
8 (10/26)	Mid-term exam
9 (11/2)	<ul style="list-style-type: none"> ■ 수업주제 : hypothesis test ■ 수업내용 : hypothesis tests with the t statistic, one sample t test ■ 수업방법 : lecture & in class activity ■ 유의사항 <p>Students must complete all required reading assignments prior to the scheduled class</p>
10 (11/9)	<ul style="list-style-type: none"> ■ 수업주제 : spss lab2 ■ 수업내용 : spss lab ■ 수업방법 : lecture & in class activity ■ 유의사항 <p>Students must complete all required reading assignments prior to the scheduled class</p>

주차	수업내용 및 학습활동
11 (11/16)	<ul style="list-style-type: none"> ■ 수업주제 : hypothesis test 2 ■ 수업내용 : two sample t test ■ 수업방법 : lecture & in class activity ■ 발표 시 유의사항 <p>Students must complete all required reading assignments prior to the scheduled class</p>
12 (11/23)	<ul style="list-style-type: none"> ■ 수업주제 : chi-square test, correlation ■ 수업내용 : chi-square test, correlation ■ 수업방법 : lecture & in class activity ■ 유의사항 <p>Students must complete all required reading assignments prior to the scheduled class</p>
13 (11/30)	<ul style="list-style-type: none"> ■ 수업주제 : regression ■ 수업내용 : regression ■ 수업방법 : lecture & in class activity ■ 참고문헌 <ul style="list-style-type: none"> • chapter 11 ■ 유의사항 <p>Students must complete all required reading assignments prior to the scheduled class</p>
14 (12/7)	<ul style="list-style-type: none"> ■ 수업주제 : multiple regression ■ 수업내용 : multiple regression ■ 수업방법 : lecture & in class activity ■ 참고문헌 <ul style="list-style-type: none"> • chapter 12 ■ 유의사항 <p>Students must complete all required reading assignments prior to the scheduled class</p>
15 (12/14)	<ul style="list-style-type: none"> ■ 수업주제 : spss lab 3 ■ 수업내용 : spss lab ■ 수업방법 : lecture & in class activity ■ 유의사항 <p>Students must complete all required reading assignments prior to the scheduled class</p>
16 (12/21)	Final-exam

* 본 과목의 학습에 어려움이 있는 경우, 교수와 상담하기 바랍니다.