



Epidemiology and Biostatistics (0505204)

2rd year Medical students

Second semester 2018/ 2019

Coordinator: Dr. Sireen Alkhaldi

1	Course title	Epidemiology and Biostatistics
2	Course number	0505204
3	Credit hours (theory, practical)	3 credit hours (2 theory and 1 practical)
	Contact hours (theory, practical)	
4	Prerequisites	None
5	Program title	MD
7	Awarding institution	The University of Jordan
8	Faculty	Medicine
9	Department	Family and Community Medicine
10	Level of course	2nd year medical students
11	Year of study and semester (s)	Second Semester
13	Other department (s) involved in teaching the course	Biostatistics
14	Language of Instruction	English

Course Coordinator:

Dr. Sireen Alkhaldi
5355000 ext. 23450
Email. s.alkhaldi@ju.edu.jo
Sunday 11am -12noon
Monday 12noon -1 pm
Wednesday 1pm – 2pm
Other than office hours, appointments can be arranged individually.

Other instructors:

1-Dr.Hamza Doraidy,.....	Office Phone:
	Email:
	Semester Hours:
 2-Dr. Samar Sharif 5355000 ext. 23442 Office hours 12-1pm Sundays and Wednesdays		

Course Description:

This course provides students with core skills in epidemiology and biostatistics.

This course covers: study types; measures of frequency and association; confounding; screening; infectious disease outbreaks; measuring public health impact and use and interpretation of population health data. In addition, the unit covers an introduction to statistical concepts, their use and relevance in public health and covers descriptive analyses of data; concepts underlying statistical inference; basic statistical methods for the analysis of continuous and binary data; and statistical aspects of study design. Specific topics include: probability distributions; sampling distribution of the mean; confidence interval and significance tests for one-sample; correlation and simple linear regression.

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Day	Date	Subjects	Lecturer
Sun	20/1/2019	Introduction	د. سيرين الخالدي
Mon	21/ 1/2019		
Tues	22 /1 /2010	Biostatistics	
Wed	23 /1/2019		د. حمزة دريدي
Sun	27/1/2019	Biostatistics	د. حمزة دريدي
Mon	28/1/2019		
Tues	29/1/2019		
Wed	30/1/2019		
Sun	3/2/2019	Biostatistics	د. حمزة دريدي
Mon	4/2/2019		
Tues	5/2/2019		
Wed	6/2/2019		
Sun	10/2/2019	Biostatistics	د. حمزة دريدي
Mon	11/2/2019		
Tues	12/2/2019		
Wed	13/2/2019		
Sun	17/2/2019	Biostatistics	د. حمزة دريدي
Mon	18/2/2019		
Tues	19/2 /2019		
Wed	20/3 /2019		

Sun	24/2/2019	Biostatistics	د. حمزة دريدي
Mon	25/2/2019		
Tues	26/ 2/2019		
Wed	27/2/2019		
Sun	3 /3/2019	Biostatistics	د. حمزة دريدي
Mon	4/3/2019		
Tues	5/3/2019		
Wed	6/3/2019		
Sun	10 /3/2019	Midterm Exam	
Mon	11/3/2019		
Tues	12/3/2019		
Wed	13/3/2019		
Sun	17/3/2019	Biostatistics	د. حمزة دريدي
Mon	18/3/2019		
Tues	19/3/2019		
Wed	20/3/2019		
Sun	24/3/2019	Epidemiology: Association and causation	د. سيرين الخالدي
Mon	25/3/2019		
Tues	26/3/2019		
Wed	27/3/2019	Measures of Association	
Sun	31 /3/2019	Bias and confounding	د. سيرين الخالدي
Mon	1/4/2019		
Tues	2 /4/2019		
Wed	3 /4/2019	Environmental Health:	د. سيرين الخالدي

		Food contamination	
Sun	7/4/2019	Food Additives	د. سيرين الخالدي
Mon	8/4/2019		
Tues	9/4/2019		
Wed	10/4/2019	Water Pollution	د. سيرين الخالدي
Sun	14/4/2019	Global environmental problems	د. سيرين الخالدي
Mon	15/4/2019		
Tues	16/4/2019		
Wed	17/4/2019	Global environmental problems	
Sun	21 /4 /2019	Occupational Health: Occupational Hazards	د. سيرين الخالدي
Mon	22/4/2019		
Tues	23 /4/2019		
Wed	24 /4/2019	Occupational Radiation	د. سيرين الخالدي
Sun	6/ 5/ 2018	Final exam	-----
Mon	7/ 5/ 2018		
Tues	8/ 5/ 2018		

PRACTICAL (1 CH)

Aim: To teach students how to apply their core skills in epidemiology and biostatistics in writing scientific research.

Approach: Students will be divided into groups, eight students in each group. Groups will be allocated to staff at the Department of Family and Community Medicine. Students will visit a specific community to evaluate health and other health-related needs of the community. After data collection from the field, each group will analyze a specific part of the collected data and write their report.

Grading and evaluation:

30% Midterm exam

20% Research work (10% written report, 10% oral exam + attendance)

10% Attendance

40% Final

Course Policies:

A- Attending all classes is mandatory unless a reasonable excuse is provided in extreme circumstances.

B- Absences from exams and handing in assignments on time: The University of Jordan procedures and rules regarding exams will be applied. Handing assignments on time is arranged with the instructor.

C- Health and safety procedures: All University of Jordan rules will be followed.

D- Honesty policy regarding cheating, plagiarism, misbehavior:

The grade should be a reflection of student's individual understanding and mastery of the material covered in the course. Cheating or dishonesty in any manner (including, but not limited to, plagiarism, lying, and/or presenting work from others as your own) will not be tolerated. Should academic dishonesty be suspected or detected, it will be dealt with according to the University of Jordan policies.

E- Grading policy: As mentioned above.

F- Available university services that support achievement in the course: All available halls and technologies will be utilized for the best achievement of this course.

Good Luck