



Al-AI Bayt University
 Prince Hussein bin Abdullah Faculty of Information Technology
 Computer Science

Course Syllabus

Course Title	Computer Science-2 For the Humanities	Course Code	901132
Coordinator	Fatima Alkhalwaldeh	Prerequisite(s)	901130
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Course Is	<input type="checkbox"/> Required <input type="checkbox"/> Elective		

Course Description:

This course will focus specifically on designing the tables and relationships for a new database. Designing the tables, the fields, the primary key fields and relationships and planning the queries, forms and reports using Microsoft access program. In the second part of this course, SPSS program will be explained to the students such spss interface: data view and variable view, how to enter data in SPSS, how to import external data into SPSS, how to edit data, how to transform variables, how to sort and select data, How to get descriptive statistics, Excel will be explicated in the last part.

Course Learning Outcomes (CLO):

Student will be able to create a new database, creating the tables, customizing the fields, entering the date working with queries and creating forms and reports using access program.

Student will be learnt how to edit and analyze data using SPSS program.

Students will be able to create and edit web pages without the knowledge of any HTML codes using front page program.

Tentative Topics Covered

Week No	Topic
	Microsoft Access
1	Create a new DB
2	Create tables in different ways

3	understand the concept of: Key types Data types Insert the data
4	Create queries in different ways and understand the concept of Selection query Condition query Parameter query Create reports
5	Create forms in different ways, Records
Statistical Package for Social Science (SPSS)	
6	Run SPSS program, Insert data, Update and save data
7	Variable declaration, Data view,
8	Line chart Pie, chart Histogram, Frequencies tables, Bar chart
9	Measure of variation, Measure of correlation
10	Measures of central tendency Regression coefficient
Microsoft Excel	
11	Create outlines in Excel, Create your own templates, tables and relations
12	Use the Excel mathematical functions
13	Create and use IF statements
14	Create and use data validation rule
15	charts
16	Revision

Textbook(s)			
Title	Statistics for Research: With a Guide to SPSS,		
Author(s)	Argyrous, G.	Publisher	SAGE UK
Edition	Second Edition	Year	2005
Microsoft-Access Tutorial			
Title	Microsoft-Access Tutorial		
Author(s)	Soren Lauesen	Publisher	SAGE UK
Edition	--	Year	2011
Microsoft Excel Data Analysis and Business Modeling (5th Edition) 5th Edition			
Title	Microsoft Excel Data Analysis and Business Modeling (5th Edition) 5th Edition		
Author(s)	Wayne Winston	Publisher	
Edition	--	Year	2015

References

Book Titles (Author(s), Title, Edition, Publisher, Year)	Website URL (if available)
<ul style="list-style-type: none">• Levesque, R. SPSS Programming and Data Management: A Guide for SPSS and SAS Users, Fourth Edition (2007), SPSS Inc., Chicago Ill• Conrad, Jeff. Microsoft Access 2013 inside out. Pearson Education, 2013.• Microsoft Excel Data Analysis and Business Modeling (5th Edition) 5th Edition	

Evaluation

Assessment Tool	Marks
- First Exam	25
- Second Exam	25
- Assignments (Reports, Quiz, Seminar, Tutorial, etc.) - Discipline, presence and participation	0
- Lab	0
- Final Examination	50