



Form: Course Syllabus

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1. Course Title	Research Seminar in Management Information Systems
2. Course Number	1605452
3. Credit Hours (Theory, Practical)	3 Hours
Contact Hours (Theory, Practical)	3 Hours
4. Prerequisites/ Corequisites	Principles of Management Information Systems 1605140
5. Program Title	BA. Management Information Systems
6. Program Code	1605
7. School/ Center	Business
8. Department	Management Information Systems
9. Course Level	4 th Year
10. Year of Study and Semester (s)	2025-2026\ 1 st Semester
11. Program Degree	Bachelor
12. Other Department(s) Involved in Teaching the Course	None
13. Learning Language	English
14. Learning Types	<input checked="" type="checkbox"/> Face to face learning <input type="checkbox"/> Blended <input type="checkbox"/> Fully online
15. Online Platforms(s)	<input type="checkbox"/> Moodle <input checked="" type="checkbox"/> Microsoft Teams
16. Issuing Date	30 th April 2025
17. Revision Date	30 th October 2025

18. Course Coordinator:

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**19. Other Instructors:**

None

20. Course Description:

The course aims at familiarizing students with the major concepts of research. Emphasizes will be placed on Management Information Systems research methods. The course is expected to help students acquire and enhance their research abilities and skills in areas related to problem specification, hypothesis developments, data collection, analysis and interpretation. Scientific research reports' writing styles are also expounded. This course explains some of selected statistical methods in Management Information Systems research.

21. Program Intended Learning Outcomes: (To be used in designing the matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program)

PLO's	*National Qualifications Framework Descriptors*		
	Competency (C)	Skills (B)	Knowledge (A)
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* Choose only one descriptor for each learning outcome of the program, whether knowledge, skill, or competency.



22. Course Intended Learning Outcomes: (Upon completion of the course, the student will be able to achieve the following intended learning outcomes)

1. Demonstrating a clear understanding of the business research.
2. Understanding the hallmarks and various steps of scientific research.
3. Defining and refining the research problem and how to approach the literature review.
4. Demonstrating a clear understanding of theoretical framework and hypothesis development.
5. Determining the elements of research design and the various techniques for data collection.
6. Understanding the need, importance and all related issues for measurements and sampling in business research.
7. Applying quantitative and qualitative data analysis.
8. Writing and presenting a research report.

Course ILOs #	The learning levels to be achieved						Competencies	
	Knowledge		Skills					
	Remember	Understand	Apply	Analyse	Evaluate	Create		
1.	X							
2.		X						
3.		X			X			
4.			X					
5.	X							
6.		X						
7.			X					
8.						X		



23. The matrix linking the intended learning outcomes of the course -CLO's with the intended learning outcomes of the program -PLOs:

PLO's * CLO's	1	2	8	Descriptors**		
				A	B	C
1	X			X		
2	X			X		
3	X				X	
4	X			X		
5		X			X	
6		X		X		
7		X				X
8			X			X

***Linking each course learning outcome (CLO) to only one program outcome (PLO) as specified in the course matrix.**

****Descriptors are determined according to the program learning outcome (PLO) that was chosen and according to what was specified in the program learning outcomes matrix in clause (21).**



24. Topic Outline and Schedule:

Week	Lecture	Topic	ILO/s Linked to the Topic	Learning Types (Face to Face/ Blended/ Fully Online)	Platform Used	Synchronous / Asynchronous Lecturing	Evaluation Methods	Learning Resources
1	1.1	CH 1 Introduction, Types of business research: applied and basic	1	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	1.2	CH 1 Managers and research, Internal versus external consultants/researchers	1	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	1.3	CH 1 Knowledge about research and managerial effectiveness, Ethics and business research, Summary	1	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
2	2.1	CH 2 Introduction, The hallmarks of scientific research	2	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	2.2	CH 2 The hypothetico-deductive method	2	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	2.3	CH 2 Alternative approaches to research, Summary	2	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
3	3.1	CH 3	3	Face to Face	Uploading material	Synch	Exams and Research	Books, materials



		Introduction, The broad problem area			via JU Microsoft Teams		working papers	
	3.2	CH 3 Preliminary research, Defining the problem statement	3	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	3.3	CH 3 The research proposal, Managerial implications, Ethical issues in the preliminary stages of investigation, Summary	3	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
4	4.1	CH 4 Introduction, How to approach the literature review A	3	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	4.2	CH 4 How to approach the literature review B,	3		Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	4.3	CH 4 Ethical issues, Summary	3		Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
5	5.1	CH 5 Introduction, The need for a theoretical framework, Variables	4	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	5.2	CH 5 How theory is generated, Hypothesis development A	4		Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	5.3	CH 5 Hypothesis development B, Managerial implications, Summary	4		Uploading material via JU	Synch	Exams and Research working papers	Books, materials



					Microsoft Teams			
6	6.1	CH 6 Introduction, The research design, Elements of research design A	5	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	6.2	CH 6 Elements of research design B, Mixed methods	5		Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	6.3	CH 6 Trade-offs and compromises, Managerial implications, Summary	5		Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
7	7.1	CH 7 Introduction, Primary data collection methods, Interviews A	5	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	7.2	CH 7 Interviews B	5		Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	7.3	CH 7 Advantages and disadvantages of interviews, Summary	5		Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
8	8.1	Review CH 1-5		Face to Face				
	8.2	Review students research working papers	8					
	8.3	Mid-term exam (CH 1-5)						
9	9.1	CH 9 Introduction, Types of questionnaires	5	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials



	9.2	CH 9 Guidelines for questionnaire design	5	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	9.3	CH 9 International dimensions of surveys, Multimethods of data collection, Managerial implications, Summary	5	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
10	10.1	CH 11 Introduction, How variables are measured, Operational definition (operationalization) A	6	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	10.2	CH 11 Operational definition (operationalization) B	6	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	10.3	CH 11 International dimensions of operationalization, Summary	6	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
11	11.1	CH 12 Introduction, Four types of scales	6	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	11.2	CH 12 Rating scales	6	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	11.3	CH 12 Ranking scales, International dimensions of scaling	6	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
12	12.1	CH 12 Goodness of measures, Reflective versus formative	6	Face to Face	Uploading material via JU	Synch	Exams and Research	Books, materials



		measurement scales, Summary			Microsoft Teams		working papers	
	12.2	Review students research working papers	8					
	12.3	Second Exam (CH 6, 7, 9)						
13	13.1	CH 13 Introduction; Population, element, sample, sampling unit, and subject; Sample data and population values	6	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	13.2	CH 13 The sampling process, Probability sampling	6		Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	13.3	CH 13 Nonprobability sampling, The sample size, Summary	6		Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
14	14.1	CH 14 Introduction, Getting the data ready for analysis	7	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	14.2	CH 14 Testing the goodness of measures	7		Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
	14.3	CH 15 Type I errors, type II errors, and statistical power; Choosing the appropriate statistical technique	7		Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials
15	15.1	CH 16 Introduction, Three important steps in qualitative data analysis	7	Face to Face	Uploading material via JU	Synch	Exams and Research working papers	Books, materials



					Microsoft Teams			
15.2	CH 16 Reliability and validity in qualitative research	7	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials	
15.3	CH 16 Some other methods of gathering and analyzing qualitative data, Big data, Summary.	7	Face to Face	Uploading material via JU Microsoft Teams	Synch	Exams and Research working papers	Books, materials	
16	16.1	Final exam (CH 11, 12, 13, 14, 15, 16)						

25. Evaluation Methods:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Evaluation Activity	*Mark wt.	CLO's							
		1	2	3	4	5	6	7	8
Mid-term Exam	30	X	X	X	X				
Second Exam –If any	10					X			
Final Exam	50						X	X	
**Class work									
Projects/reports									
Research working papers	10								X
Field visits									
Practical and clinical									
Performance Completion file									
Presentation/exhibition									
Any other approved works									
Total 100%	100	X	X	X	X	X	X	X	X

* According to the instructions for granting a Bachelor's degree.



**According to the principles of organizing semester work, tests, examinations, and grades for the bachelor's degree.

Mid-term exam specifications table*

No. of questions/ cognitive level						No. of questions per CLO	Total exam mark	Total no. of questions	CLO/ Weight	CLO no.
Create %0	Evaluate %20	Analyse %0	Apply %20	Understand %40	Remember %20					
0	0	0	0	0	1	1	6	5	20%	1
0	0	0	0	1	0	1	6	5	20%	2
0	1	0	0	1	0	2	12	5	40%	3
0	0	0	1	0	0	1	6	5	20%	4

Second exam specifications table*

No. of questions/ cognitive level						No. of questions per CLO	Total exam mark	Total no. of questions	CLO/ Weight	CLO no.
Create %0	Evaluate %0	Analyse %0	Apply %0	Understand %0	Remember %100					
0	0	0	0	0	2	2	10	2	100%	5

Final exam specifications table

No. of questions/ cognitive level						No. of questions per CLO	Total exam mark	Total no. of questions	CLO Weight	CLO no.
Create %0	Evaluate %0	Analyse %0	Apply %50	Understand %50	Remember %0					
0	0	0	0	3	0	3	25	6	50%	6
0	0	0	3	0	0	3	25	6	50%	7

26. Course Requirements:

(e.g.: students should have a computer, internet connection, webcam, account on a specific software/platform...etc.):

Students should have a computer, internet connection, webcam, account on Microsoft teams for business & JU e-learning account.



27. Course Policies:

A- Attendance policies: Students are not allowed to miss more than 15% of the classes during the semester. Failing to meet this requirement will be dealt with according to the university disciplinary rules.

B- Absences from exams and submitting assignments on time: If you're absent from one or more of your examinations for medical or other mitigating reasons, you must fill in an Extenuating Evidence form. You can get it from your Faculty Office. Complete it and hand it in to your Faculty Office – with supporting evidence for the end-of-year examinations. If you can't hand in a piece of homework by its deadline, you can't submit it after that.

C- Health and safety procedures: No smoking in the department. Fire alarm call points are red 'Break Glass' boxes and are located on exit routes from the department and elsewhere. Keep all fire doors and fire exit routes clear at all times.

D- Honesty policy regarding cheating, plagiarism, misbehavior: Following the university law and regulations.

E- Grading policy: Following the university law and regulations.

F- Available university services that support achievement in the course: Computer lab with the needed software as to enter the university's e-library sources.

28. References:

A- Required book(s), assigned reading and audio-visuals:

Sekaran, Uma and Bougie, Roger. 2016. Research Methods for Business: A Skill Building Approach, 7th edition.

B- Recommended books, materials, and media:

Research papers from Journals, conferences among others, will be provided throughout the course.

29. Additional information:

Concerns or Complaints should be expressed in the first instance to the module lecturer, if no resolution is forthcoming, then the issue should be brought to the attention of module coordinator (for mutable sections) who will take the concerns to the module representative meeting. Thereafter, problems are dealt with by the Department Chair and if still unresolved the Dean and then ultimately the Vice President. For the final Complaints, there will be a committee to review grading the final exam.

- For more details on University regulations please visit: <http://www.ju.edu.jo/rules/index.htm>



Name of the Instructor or the Course Coordinator: Prof. Ra'ed Masa'deh	Signature: Ra'ed Masa'deh	Date: 30 th October 2025
Name of the Head of Quality Assurance Committee/ Department Dr. Asma Jdaitawi	Signature: Asma Jdaitawi	Date:
Name of the Head of Department Dr. Asma Jdaitawi	Signature: Asma Jdaitawi	Date:
Name of the Head of Quality Assurance Committee/ School or Center Dr. Rima Al Hasan	Signature: Rima Al Hasan	Date:
Name of the Dean or the Director Prof. Samer Dahiyat	Signature: Samer Dahiyat	Date: