The University of Jordan

الجامعة الاردنية

Form: **Course Syllabus**	**Form Number**	EXC-01-02-02A
	Issue Number and Date	2/3/24/2022/2963 05/12/2022
	Number and Date of Revision or Modification	2023/10/15
	Deans Council Approval Decision Number	265/2024/24/3/2
	The Date of the Deans Council Approval Decision	2024/1/23
	Number of Pages	06

1.	**Course Title**	Applied Statistics
2.	**Course Number**	1601701
3.	**Credit Hours (Theory, Practical)**	3
	Contact Hours (Theory, Practical)	3
4.	**Prerequisites/ Corequisites**	
5.	**Program Title**	Business Administration
6.	**Program Code**	011
7.	**School/ Center**	The University of Jordan
8.	**Department**	Business Managements
9.	**Course Level**	Postgraduate/ Master course
10.	**Year of Study and Semester (s)**	2025-2026/ First Semester
11.	**Program Degree**	MBA
12.	**Other Department(s) Involved in Teaching the Course**	Marketing and Accounting
13.	**Learning Language**	English
14.	**Learning Types**	☐*Face to face learning ☐Blended ☐Fully online
15.	**Online Platforms(s)**	☐*Moodle ☐Microsoft Teams
16	**Issuing Date**	Sep 2025
17.	**Revision Date**	November 2025

18. Course Coordinator:

Name: Prof. Rateb Sweis	Contact hours: 4:00 – 5:00 Monday
Office number: 2118	Phone number: 06 5355000 Ext: 24181
Email: r.sweis@ju.edu.jo	

19. Other Instructors: (N/A)

Name:
Office number:
Phone number:
Email:
Contact hours:
Name:
Office number:
Phone number:
Email:
Contact hours:

20. Course Description:

As stated in the approved study plan, this course includes different topics in the field to using statistical methods and help the student to solve problems, process data and test hypotheses distributions of data, sampling size and multivariate model, factor analysis.

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.	☐	☒	☒
2.	☒	☐	☐
3.	☐	☐	☒
4.	☒	☐	☐
5.	☐	☒	☐

* 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)

Course ILOs #	The learning levels to be achieved						Competencies
	Remember	**Understand**	**Apply**	**Analyse**	**Evaluate**	**Create**	
1.	*	*					
2.	*	*			*		
3.			*	*			
4.			*	*			
5.			*	*	*	*	

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	3	4	5	Descriptors**		
						A	B	C
1	*	*		*	*	1	2	
2	*	*		*	*	3		1
3	*	*		*	*	4	5	
4	*	*		*	*	2		4
5	*	*		*	*			
6								
7								
8								

*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 Overview of statistics		Face to Face	Moodle and Microsoft Teams	Synchronous	Mid Term Exam; Cases discussions/ Assignments	Lectur Powerl Slides, Cases Discuss
2	2.1	CH.2 The normal distribution		Face to Face	Moodle and Microsoft Teams	Synchronous	Mid Term Exam; Cases discussions/ Assignments	Lectur Powerl Slides, Cases Discuss
3	3.1	CH.3 Confidence interval and sample size		Face to Face	Moodle and Microsoft Teams	Synchronous	Mid Term Exam; Cases discussions/ Assignments	Lectur Powerl Slides, Cases Discuss
4	4.1	CH.4 Hypothesis testing		Face to Face	Moodle and Microsoft Teams	Synchronous	Mid Term Exam; Cases discussions/ Assignments	Lectur Powerl Slides, Cases Discuss
5	5.1	CH.4 Hypothesis testing		Face to Face	Moodle and Microsoft Teams	Synchronous	Mid Term Exam; Cases	Lectur Powerl Slides,

							discussions/ Assignments	Cases Discuss
6	**6.1**	**Mid- Term Exam**						
7	**7.1**	**CH.5 Correlation and regression**		**Face to Face**	**Moodle and Microsoft Teams**	**Synchronous**	**FExam; Cases discussions/ Assignments**	**Lectur Powerl Slides, Cases Discuss**
8	**8.1**	**CH.6 Chi-Square test**		**Face to Face**	**Moodle and Microsoft Teams**	**Synchronous**	**Mid Term Exam; Cases discussions/ Assignments**	**Lectur Powerl Slides, Cases Discuss**
9	**9.1**	**CH. 7 Analysis of variance**		**Face to Face**	**Moodle and Microsoft Teams**	**Synchronous**	**Mid Term Exam; Cases discussions/ Assignments**	**Lectur Powerl Slides, Cases Discuss**
10	**10.1**	**CH. 7 Analysis of variance**		**Face to Face**	**Moodle and Microsoft Teams**	**Synchronous**	**Mid Term Exam; Cases discussions/ Assignments**	**Lectur Powerl Slides, Cases Discuss**
11	**11.1**	**CH.8 Nonparametric statistics**		**Face to Face**	**Moodle and Microsoft Teams**	**Synchronous**	**Mid Term Exam; Cases discussions/ Assignments**	**Lectur Powerl Slides, Cases Discuss**

12	12.1	CH.9 Overview of Multivariate		Face to Face	Moodle and Microsoft Teams	Synchronous	Mid Term Exam; Cases discussions/ Assignments	Lectur Powerl Slides, Cases Discuss
13	13.1	CH. 10 Time series		Face to Face	Moodle and Microsoft Teams	Synchronous	Mid Term Exam; Cases discussions/ Assignments	Lectur Powerl Slides, Cases Discuss
14	14.1	CH.11 Factor analysis		Face to Face	Moodle and Microsoft Teams	Synchronous	Mid Term Exam; Cases discussions/ Assignments	Lectur Powerl Slides, Cases Discuss
15	15.1	CH. 12 MANOVA		Face to Face	Moodle and Microsoft Teams	Synchronous	Mid Term Exam; Cases discussions/ Assignments	Lectur Powerl Slides, Cases Discuss
16	16.1	Final Exam						

25. Evaluation Methods:

assessment methods and requirements:

Evaluation Activity	Mark	Topic(s)	ILO/s Linked to the Evaluation activity	Period (Week)	Platform
Project	30	Different	Different	Week 12	Moodle

Mid Term Exam	30	Different	1-	Week 6	Moodle
Final Exam	40	All covered topics		Week 16	Moodle

26. Course Requirements:

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

27. Course Policies:

A. Attendance Policies

- Regular attendance is expected and strongly encouraged.

- Students must attend at least 80% of scheduled classes to be eligible for full participation marks.

- Absences must be justified with official documentation (e.g., medical reports, university-approved activities).

- Active participation in discussions and group work is part of the learning process and contributes to the final grade.

B. Absences from Exams and Submitting Assignments on Time

- **Exams**: Missing a scheduled exam without prior approval or valid documentation (e.g., medical emergency) will result in a zero grade.

- **Assignments**: Assignments must be submitted by the stated deadline. Late submissions will incur a penalty of 10% per day, up to a maximum of 5 days. After that, the assignment will not be accepted unless prior arrangements were made.

- Extensions may be granted for documented emergencies or university-sanctioned activities.

C. Health and Safety Procedures

- Students must comply with all university health and safety regulations, including those related to classroom conduct, emergency procedures, and public health guidelines.

- In case of illness, students should notify the instructor and seek medical attention.

- Any health-related accommodations must be coordinated through the university's student services office.

D. Honesty Policy Regarding Cheating, Plagiarism, Misbehavior

- Academic integrity is strictly enforced.

- **Cheating** on exams or assignments will result in disciplinary action, which may include failure of the course or expulsion.

- **Plagiarism** (using others' work without proper citation) is a serious offense and will be penalized.

- Misbehavior or disruption in class will not be tolerated and may lead to removal from the course.

- All students must adhere to the university's code of conduct and academic honesty policy.

E. Grading Policy

- Final grades will be based on the following components:

    o **Assignments and Projects**: 30%

    o **Midterm Exam**: 30%

    o **Final Exam**: 40%

- Feedback will be provided on all assessments to support learning and improvement.

F. Available University Services That Support Achievement in the Course

- **Library Services**: Access to statistical databases, journals, and research support.

- **Writing Center**: Help with academic writing, referencing, and thesis preparation.

- **IT Support**: Assistance with statistical software (e.g., SPSS, R, Python).

- **Career Services**: Workshops and resources for career planning and internships.

28. References:

		A- Requir
		Introduction
Joseph M. Hilbe		B- Recom
M. S. Srivastava		
Daniel Zelterman		
David G. Kleinbaum & Mitchel Klein		

29. Additional information:

Name of the Instructor or the Course Coordinator: …RatebJ Sweis……………………………………………… …   Signature: …………...…………… …   Date: …November 2025…..……… …

Name of the Head of Quality Assurance Committee/ Department ………………………………………………..   Signature: …………...…………… …   Date: ……..…………

Name of the Head of Department ………………………………………………..   Signature: …………...…………… …   Date: ……..…………

Name of the Head of Quality Assurance Committee/ School or Center ………………………………………………..   Signature: …………..…………… …   Date: ……..…………

Name of the Dean or the Director ………………………………………………..   Signature: …………..…………… …   Date: ……..…………