Academic Program Description Form

University name: UniversityTikrit

College/Institute: CollegeManagement and Economics

Scientific Department: DepartmentGeneral Administration

Name of academic or professional program:Public Administration Department

Final Certificate Name: BachelorScience in Public Administration

Academic system:Course system

Description preparation date:14/9/2023

Date of filling the file:14/9/2023

التوقيع : حكم التوقيع: اسم رئيس القسم: ١.م. حاضر صباح اسم المعاون العلمي: ١.م.د. أشرف هاشم فارس شعير

التاريخ: 17 / 9 / 2023 التاريخ: 17 / 9 / 2023

دقق الملف من قبل شعبة ضمان الجودة والأداء الجامعي اسم مدير شعبة ضمان الجودكم والأداء الجامعي: أسامة التوقيع

التاريخ: 17 / 9 / 2023

1. Program Vision

Excellence in deliveryAngelspioneerAndTo lead public sector institutions that meet

stakeholder requirements, in line with global quality standards..

2. Program message

Providing the public sector with the educated administrative energies it needs to meet its aspirations in serving the community, and communicating with relevant stakeholders to consolidate community behaviors through education.andLearning, creating an open environment for cultural and intellectual exchange that stimulates scientific research, creativity, innovation and leadership, as well as disseminating knowledge to public sector institutions to ensure the well-being and excellence of society.

3. Program objectives

- Preparing graduates capable of working in government organizations, thus . contributing to achieving social and economic development in society..
- Supporting government organizations and developing their knowledge in the .Y fields of central and local administration by providing them with specialized administrative cadres.In this field.
- Disseminating noble community values and instilling integrity behaviorsAnd .⁽⁷⁾.
- Continuous development of the scientific contributions portfolioFor .٤ membersThe teaching staff in the department and following up on their feedback to ensure the achievement of the objectives of the educational process.
- Building bridges of cooperation between the Public Administration Department .• and the community, and achieving a strategic partnership with government organizations by creating a cooperative environment that achieves continuous communication.andfor.

4. Program accreditation

DoThe programIs the program accredited? And from which authority? both .7

5. Other external influences

Is there a sponsor? ForprogramYes, Ministry of Higher Education and Scientific .^V Research

	0					
comments	percentage	Study unit	Number of	Program		
			courses	Structure		
	9.4%	14	6	Institutional		
				Requirements		
	18%	27	10	College		
				Requirements		
	72.6%	109	40	Department		
				Requirements		
				Summer		
				training		
				Other		

*Notes may include whether the course is basic or optional.

7. Program Description / Curriculum of the Department of Public Administration					
(Credit hours	Course name	Course code	Year/Level	
practical	theoretical				
	3	Principles of Public Administration 1		First	
	3	Principles of Economics			

	3	Principles of Statistics	
1	2	Computer 1Word	
	2	Arabic	
	2	Human rights and	
		democracy	
	3	Principles of Public	
		Administration 2	
	3	Mathematics for	
		administrators	
	3	Accounting principles	
	3	ReadingsEnglish	
1	2	Computer2Word	
	2	English language	
	3	Marketing Management	
	3	Human Resources	
		Management	
	2	Administrative law	
2	2	Intermediate Accounting	
	3	The development of	
		organizational thought	
	2	English language	
	2	Quantitative methods	
1	2	Computer1Excel	Second
	2	Baath crimes in Iraq	
	3	Public Relations	
2	2	Government accounting	
	2	Administrative Psychology	
	2	Civil Service Legislation	
	3	Political systems	
	2	Operations research	
1	2	Computer1Excel	
	3	Public Financial	
		Management	
2	2	unified accounting system	Third
	3	Local administration	

	3	Contract management	
	2	Quality Management	
	2	Public service ethics	
1	2	Database Computer	
		Applications2	
	2	English language	
	3	Organizational Behavior	
	3	Financial policies	
	2	General Project	
		Management	
	3	Management Information	
		Technology	
	3	Comparative local	
		management systems	
	2	Environmental	
		management	
1	2	Database Computer	
		Applications2	
	3	Production and Operations	
		Management	
	2	Comparative Public	
		Administration	
	3	Administrative	
		development1	
	3	Strategic Management1	
	2	English language	
1	2	Computer	Fourth
		Applications1QSB	
	2	Scientific research methods	
		and ethics	
	3	Strategic management	
	3	Administrative	
		development 2	
	2	Risk Management and	
		Insurance	

	3	General Policies	
1	2	Computer	
		Applications2QSB	

8. Ex	spected learning outcomes of the program
	Knowledge
The ability of the department's -	Providing leading cadres in leading -
graduates to develop their	public sector institutions.
administrative and cognitive skills and	Disseminating knowledge in -
achieve leadership in leading	government institutions to achieve the
government institutions.	aspirations of society.
	The ability to manage and invest -
	knowledge in a way that achieves the
	quality and efficiency of the academic
	program's outputs and their suitability
	for the labor market.
	Skills
Management Department graduates -	Developing and supporting the -
have the ability to think, solve	spirit of creativity, innovation and
problems and manage time.	leadership.
	Creating an open environment for -
	cultural and intellectual exchange.
Our outputs should be knowledgeable -	Communicate and interact -
and skilled in how to accomplish the	constructively with stakeholders.
tasks assigned to them.	
	Values
Adherence to professional ethics and -	Establishing social and ethical -
the ability to demonstrate high	responsibility.
professional competence.	

	Serving the community and meeting its -
	requirements.
The student must believe in the -	Integrity and transparency
principles of integrity and transparency,	Quality
and have the ability to apply the	
concepts of quality management at	
work.	

9. Teaching and learning strategies

- Active learning: Encouraging students' active participation in learning processes, ... such as discussions, group activities, and problem solving, to enhance their deep understanding of mathematical concepts.
 - Cooperative learning: Encouraging students to work together in small groups to .۲ solve problems.related to their studiesAnd sharing ideas, which contributes to enhancing interaction and knowledge exchange between them.
- Use of Technology: Leveraging technology to provide interactive learning tools ." such as computer software and online resources to enhance student understanding and motivation.
- Problem-based learning: presenting specific problems and motivating students to . think critically and use skillsAdministrativeTo solve it.
- Multiple Instructional Strategies: Providing a variety of instructional strategies, .• such as interactive lectures, practical lessons, and hands-on exercises, to meet the diverse needs of students.
 - Promote thinkingAdministrativeEncourage students to develop thinking .³ skills.AdministrativeSuch as analysis, planning and inference, by providing stimulating questions and applied problems.
 - Provide immediate feedback: Provide mechanisms to provide immediate .^v feedback to students on their performance and understanding of concepts.Administrative, whether through periodic assessments or direct interaction with the teacher.

10. Evaluation methods

- Classroom performance assessment: This includes assessing students' .v performance during lessons, lectures and workshops, whether through written tests or continuous assessment of their participation and understanding of the material.
- Participation in discussions and activities: Students' participation in class .Y discussions, group activities, and individual projects can be assessed to assess their understanding and engagement with the material.
 - Tests and assignments: Students may be given regular tests and assessment ." assignments to assess their problem-solving skills.related to their field of expertiseAnd their understanding of the concepts presented.
- Evaluating participation in research: The extent to which students participate in .[£] research activities and scientific projects can be assessed, and an evaluation can be provided of their presentation style and analysis of their results and conclusions.
 - Practical Performance Evaluation: Students can be evaluated in practical .• performance through: VisitsProcess and participation in applied activities.
 - Evaluation of external participation: This includes evaluation of the extent of .³ students' participation in external activities such as conferences, seminars, and sports competitions.
 - Evaluation of Personal and Professional Development: Students' personal, .^v professional and academic development can be evaluated during their participation in the faculty mentoring program.

11. Faculty

					Faculty members
Fact prepar	·	Requirements/SpecializationSkills (if any)		Academic Rank	
lecturer	angel		private	general	
	angel		Operations research	Statistics (Operations Research)	Asst. Prof. Dr. Mazhar Khaled Abdel Hamid

A.M.D. Mohamed Ahme	General law	Administrati	angel	
Raheel Afta		ve law		
	husingas	Financial	angel	
A.M.D. Qusay Jassir	business	manageme		
Mohammed Imra	management	nt		
	husingas	Bank	angel	
A.M. Mazen Noma	business .	manageme		
Abdullah Bak	management	nt		
A.M. Adnan Fayha	English language	linguistics	angel	
Mahmoud Khade		iniguistics		
A.M. Ahmed Khade	business	Financial	angel	
A.M. Anned Khade		manageme		
	management	nt		
Dref Dr. Good Colob Isa		Political		lecturer
Prof. Dr. Saad Saleh Iss	economy	economy		
Asst. Prof. Dr. Yasser A	law	Special law		lecturer
Hamda	10.00	Special law		
Asst. Prof. Dr. Qusa	Calculators	Networks	angel	
Abboudi A				
A.M. Present Saba	business	Financial	angel	
Shaeer Jabar	management	manageme		
	U	nt		
	business	Knowledge	angel	
A.M. Tariq Aziz Kuro	management	manageme		
	management	nt		
M. Khalaf Mohamme	business	organized	angel	
Alo	management	organizeu		
M Iman Muwaffaq Oma	business	Organizatio	angel	
	management	n theory		
Mr. Salam Hussein Jassir	business	administrati	angel	
Hand	management	on Financial		
M. Najm Suhail Najr	administration	administrati	angel	
Abdulla	works	on Financial		

angel	Human	business	M. Tolka Kuran Salam
	Resources	management	M. Talha Kwan Salen
angel	Applied		Ms. Aisha Abdel Khaled
	statistics	count	Ismai
angel	business	husiaaa	
	manageme	business	Mr. Saad Salem Ghanen Suleima
	nt	management	Suleina
angel	Financial	business	
	manageme		Dr. Qutaiba Ibrahin Hamad
	nt	management	
angel	General	General	
	Administrati	Administration	M. Hamid Anwar Dano
	on	Administration	
angel	business	business	Mr. Naji Hassan Ahme
	manageme	management	Allaw
	nt		
angel	Production	business	M. Maysam Riad Bal
	and	management	
	operations		
angel	Human	business	Mr. Hussein Abdul Hama
	Resources	management	Hussei
angel	Human	business	millimeter. Hassan Farha
	Resources	management	Ahmed Handa
angel	General	General	Mr. Mohamed Mustaf
	Policies	Administration	Mohamed Ibrahin
angel	Human	business	M. Ahmed Ayed Makhla
	Resources	management	
angel	Human	business	M.M. Nihad Khami
	Resources	management	Hassa
angel	Quality	business	
	Manageme	management	M. Mazhar Ahmed Khala
	nt		

	angel	Production		
	anger		business	Mr. Ali Mohamme
		manageme	management	Huwaid Khate
		nt	management	
	angel	Bank		
		manageme	Financial and	M.M. Ali Hamad A
		nt	Banking Sciences	
	angel	Information	Management	
			Information	M.M. Mohammed Salen
		systems	Systems	Abde
lecturer		English		
		literature	English language	M. Alaa Ahmed Abdulla
		illerature		
	angel	law	law	Mr. Ihab Abdulla
				Muhaimi
	angel	Cost		Mr. Yasser Fouad Tah
		accounting	accounting	wir. Yasser Fouad Tan
lecturer		law	law	Mr. Maher Sabah Habi
		Financial		Mr. Mohammed Ahme
	angel	accounting	accounting	Dia
		Manageme		
	angel	nt	accounting	Mr. Ali Fouad Tah
		accounting		
	angel	about	Arabic	M.M. Ali Ghaleb A

Professional development

Orientation of new faculty members

Determining the needs of the university and the department: The needs of 1-

the university and the department are determined in terms of the required

educational cadres and preferred specializations.

Orientation Programs: Customized orientation programs are designed for 2new, visiting, full-time and part-time members based on their needs and specialties.

Introduction to the University Environment: A comprehensive introduction 3to the university and the Department of Public Administration is provided, including an overview of the department, vision, mission, goals, and available services.

Providing support resources: New members are provided with the 4necessary resources and support, including training courses, workshops, and technical assistance.

Academic Orientation: New members are oriented regarding the curricula, 5research areas and teaching methods used in the department.

Administrative Orientation: New members are oriented to administrative 6procedures, responsibilities, university policies and code of conduct.

Ongoing Support: Ongoing support is provided to new, visiting, full-time 7and part-time faculty members through advisory sessions, workshops and periodic evaluations.

Professional development for faculty members

- Identifying needs and setting goals: Faculty needs are identified through surveys and . performance evaluations, and then specific goals to be achieved within the program are identified.
- Development Program Design: Based on the specific needs and objectives, a comprehensive .^v development program is designed that includes a set of activities, training courses, workshops, and educational resources.
 - Program Implementation: The development program is implemented in a regular and ." organized manner, including organizing workshops, conducting training courses, and providing appropriate educational resources.
 - Use effective teaching strategies: Faculty members learn to use and apply modern and .[£] effective teaching strategies, such as cooperative learning, active learning, and educational technology.
- Evaluation of learning outcomes: The effectiveness of the development program is evaluated ... by evaluating the learning outcomes of faculty members, such as increased levels of knowledge, teaching skills, and interaction with students.

- Continuous Development: Ongoing feedback and support is provided to faculty members to . promote ongoing professional and academic development.
- Participation in scientific research and publication: Faculty members are encouraged to .^V participate in scientific research and publish the results in prestigious academic journals, which enhances their academic standing and contributes to the development of knowledge in their fields.

12. Acceptance Criteria

- Central acceptance. \
- Accepting exceptions (martyrs' families, children of faculty, distinguished employees, top -* students in institutes, foreign students).
 - Private government education -*
 - Accepting evening studies. $-\xi$

13. The most important sources of information about the program

- University, college and electronic department website. \
 - Priorities for establishing the department. ^Y
- Project to develop and update the curricula of the faculties of management and
 - economics in Iraqi universities for the year 2017.

14. Program Development Plan

- Curriculum development. -)
- Open postgraduate studies (higher diploma equivalent to a master's degree). -⁷
- Developing teaching and administrative staff through courses, seminars and -^{\mathcal{v}} workshops in areas of specialization.
- Supporting scientific research efforts by encouraging faculty members to publish, -£ especially in international journals.
 - Conducting training programs to develop students' capabilities in technical and -• information technology fields.
- Organizing field visits and scientific trips for students to government institutions. -7

	Program Skills Chart														
	Required learning outcomes of the program														
	Ι	/alue	S		Skills			Knowledge			ge	Essent	Essent Course	Cou	Year/L
A4	A3	A2	A1	B4	B3	B2	B 1	A4	A 3	A 2	A 1	ial or	name	rse code	evel

		option												
	Principles of	al?	\checkmark	\checkmark	\checkmark	\checkmark	✓	\checkmark	✓	✓	\checkmark	\checkmark	\checkmark	✓
	Public		v	v	v	v	v	v	v	v	v	v	v	v
	Administration													
_	1 Principles of		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	✓	\checkmark	\checkmark	\checkmark	\checkmark
	Economics									-				
	Principles of Statistics		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	Computer		\checkmark	\checkmark	\checkmark		\checkmark	\checkmark	\checkmark		\checkmark	✓	\checkmark	
	1Word													
	Arabic		 ✓ 	✓	\checkmark		 ✓ 	✓	✓		 ✓ 	✓	✓	
	Human rights and democracy		\checkmark	\checkmark			\checkmark	\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	
	Principles of		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
First	Public Administration													
year	2													
]	Mathematics		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	for administrators													
	Accounting		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	principles ReadingsEnglis		\checkmark									✓		
	h		V	\checkmark	\checkmark	✓	\checkmark	✓	~	\checkmark	\checkmark	v	\checkmark	\checkmark
	Computer2Wo		\checkmark	\checkmark	\checkmark		\checkmark	\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	
	rd English		\checkmark	\checkmark	\checkmark	\checkmark	✓	\checkmark	✓	✓	\checkmark	✓	✓	✓
	language		v	v	v	v	v	v	v	v	v	v	v	v
	Marketing		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	Management Human		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	✓	\checkmark	✓	\checkmark	\checkmark
	Resources		•	·	•	ŗ	ŗ	•	-	-	·	ŗ	ŗ	ŗ
	Management Administrative		\checkmark	\checkmark	\checkmark	\checkmark	✓	\checkmark	✓	✓	\checkmark	✓	✓	✓
	law		v	v	v	v	v	v	v	v	v	v	v	v
	Intermediate		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	Accounting The		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	✓	\checkmark	\checkmark	\checkmark	\checkmark
	development of		•	·	•	·	·	·	•		·	·	·	·
	organizational thought													
_	English		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	✓	\checkmark	✓	\checkmark	\checkmark
Secon	language													
d	Quantitative methods		\checkmark	✓	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
year	Computer1Exc		\checkmark	\checkmark	\checkmark		\checkmark	\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	
your	el Baath crimes													
	in Iraq		✓	~	\checkmark		✓	✓	✓		\checkmark	\checkmark	\checkmark	
	Public		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	✓	\checkmark	\checkmark	\checkmark	\checkmark
-	Relations Government		\checkmark	\checkmark	\checkmark	\checkmark	✓	\checkmark	✓	✓	\checkmark	✓	✓	✓
	accounting													
	Administrative Psychology		\checkmark	\checkmark	<	<	✓	\checkmark	\checkmark	✓	\checkmark	\checkmark	\checkmark	\checkmark
	Psychology Civil Service		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	✓	\checkmark	\checkmark	\checkmark	\checkmark
_	Legislation													
	Political systems		\checkmark	\checkmark	\checkmark	\checkmark	~	\checkmark	\checkmark	~	\checkmark	\checkmark	\checkmark	\checkmark
	Operations		\checkmark	\checkmark	\checkmark	\checkmark	✓	\checkmark	\checkmark	✓	\checkmark	\checkmark	✓	✓
	research													

\checkmark	✓	<	✓	✓	<	✓	<	~	~	✓	✓	Computer1Exc el	
\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	Public	
												Financial	
✓	✓	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	✓	\checkmark	\checkmark	\checkmark	\checkmark	Management unified	
v	v	v	v	v	v	v	v	v	v	v	v	accounting	
												system	
\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	Local	
\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	✓	\checkmark	\checkmark	\checkmark	\checkmark	administration Contract	
•	·	•	•	•	•	•	•	•	•	•	•	management	
\checkmark	\checkmark	<	\checkmark	\checkmark	<	\checkmark	<	\checkmark	\checkmark	\checkmark	\checkmark	Quality	
✓	✓	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	✓	\checkmark	\checkmark	\checkmark	\checkmark	Management Public service	
v	v	v	v	v	v	v	v	v	v	v	v	ethics	
\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	Database	
												Computer Applications2	
\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	✓	\checkmark	✓	\checkmark	\checkmark	\checkmark	\checkmark	English	Third
		•	•	•		÷	•	-				language	year
\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	Organizational	
\checkmark	<u> </u>	\checkmark	\checkmark	\checkmark	✓	\checkmark	✓	\checkmark	\checkmark	\checkmark	\checkmark	Behavior Financial	
•	·	•	•	•	•	v	•	•	•	•	•	policies	
\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	General	
												Project Management	
\checkmark	 ✓ 	\checkmark	Management										
		•	·	•	•	•	•	·	•	•	•	Information	
												Technology	
\checkmark	✓	\checkmark	Comparative local										
												management	
												systems	
\checkmark	✓	\checkmark	Environmental management										
\checkmark	 ✓ 	\checkmark	Database										
	-	ŗ	ŗ	-		-	-				-	Computer	
												Applications2 Production and	
✓	✓	~	\checkmark	Operations									
												Management	
✓	✓	\checkmark	Comparative Public										
												Administration	
\checkmark	✓	\checkmark	Administrative development1										
\checkmark	✓	\checkmark	Strategic										
✓	 ✓ 	\checkmark	\checkmark	\checkmark	\checkmark	✓	✓	\checkmark	\checkmark	\checkmark	\checkmark	Management1 English language	
	V		▼ ✓	▼ ✓	▼ ✓	▼ √	▼ ✓	▼ √			▼ ✓	Computer	Fourt
✓	▼	\checkmark	v	v	v	v	v	V	\checkmark	\checkmark	v	Applications1QS	h
 ✓ 	\checkmark	✓	\checkmark	\checkmark	✓	\checkmark	✓	✓	\checkmark	\checkmark	\checkmark	B Scientific	
~	♥	✓	•	V	✓	v	V	V	•	•	v	research	year
												methods and ethics	
\checkmark	✓	\checkmark	\checkmark	\checkmark	✓	\checkmark	✓	\checkmark	\checkmark	\checkmark	\checkmark	Strategic	
												management	
✓	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	✓	\checkmark	\checkmark	\checkmark	\checkmark	Administrative development 2	
\checkmark	✓	\checkmark	Risk										
												Management and Insurance	
\checkmark	✓	\checkmark	General Policies										
L	<u> </u>								ı	ı	ı	I I	

	Computer cations2QS B						
*Please tick the boxes corresponding to the individual learni	•						
program	me being assessed.						
Course Description Form							
	1. Course name						
Qua	ntitative methods						
	2. Course code						
	nothing						
	3. Semester/Year mester/second year						
4. Date this descript	•						
	14/9/2023						
5. Available for	rms of attendance						
Weekly / Full time							
6. Number of study hours (total) / Numb	per of units (total)						
	30 hours-2 units						
7. Name of the course supervisor (if more than one na	me is mentioned)						
Ms. Aisha Abdel Khaleq Ismail Email: <u>aasha.a.</u>	.alkalek@tu.edu.iq						
8.0	Course objectives						
 Providing the student with a cognitive skill about the concept and importance of quantitative methodsOperations researchIn administrative sciences Providing the student with information on how to understand the material according to the mechanisms of work and modern electronic communication. 	Subject objectives						
9. Teaching and le	earning strategies						
• Teaching and learning strategies in quantitative methodsOperations researchFocuses on enhancing interaction and practical experience. This includes organizing activities that encourage students to build applied projects and work in groups to solve technical problems. In addition, innovative educational technologies are used to provide interactive learning experiences while providing individual support and professional guidance to students for	Strategy						

	ions.Quanti	nderstanding of tative and Operations	1	of it	
			1	0. Course	Structure
Evaluatio n method	Learnin g method	Name of the unit or topic	Required learning outcomes	Watche s	The week
Ask questions Homework	Homewor k, asking questions, solving examples, and giving an external example as homework	Introduction to Quantitative Methods and Operations Research	the • introduction Development • of quantitative methods The • importance of quantitative methods	2	the first
Ask questions Homework	Homewor k, asking questions, solving examples, and giving an external example as homework	Development and importance of quantitative methods	Give to explain general And comprehensi ve About the importance of the topicMethod s Quantity	2	the second
Daily questions and tests	Homewor k, asking questions, solving examples, and giving an external example as homework	Permutation s Combinatio ns	Introduction • to Probability Theory Study	2	the third
Daily questions and tests	Homewor k, asking questions, solving examples, and giving an external example as homework	Probability laws	probability • theory	2	Fourth
Daily exam	Homewor k, asking questions, solving examples,	Distributions	probability theory	2	Fifth

	and giving an external example as homework		And distribution s		
		First month exam			Sixth
Daily questions and tests	Homewor k, asking questions, solving examples, and giving an external example as homework	-Distributions Binomial distribution + Poisson distribution	Distributions For discrete variables	2	Seventh
Daily questions and tests	Homewor k, asking questions, solving examples, and giving an external example as homework	Normal distribution	Distributions For continuous variables	2	The eighth
Daily questions and tests	Homewor k solution	Basic concepts in hypothesis testing	-Hypothesis testing	2	Ninth
Daily questions and tests	Homewor k, asking questions, solving examples, and giving an external example as homework	Use test T, z	1- Testing the mean of a random sample from a natural population 2- Testing the difference between two arithmetic means of two independent samples	2	tenth
		Second month exam		2	eleventh
Daily questions and tests	Homewor k, asking questions, solving examples, and giving an external example as homework	Applications in • the field of administrative sciences	-Tests related to proportions	2	twelfth
Daily questions and tests	Homewor k, asking questions,	Analysis of variance	Analysis of • variance for one criterionF	2	thirteenth

	solving examples, and giving an external example as homework		normal • population variance test Use of chi-square test		
Daily test	Homewor k and questions	Independence and goodness of fit test	-Independence test. Testing independence (association) using chi- square test Goodness of fit test	2	fourteenth
Daily questions and tests	Homewor k and questions	Tests	Applications in the field of administrative sciences	2	fifteenth

	11. Course Evaluation							
	10 marks (first month exam)							
	10 marks (second month exam)							
10 points (attendance, st	udent participation and daily exams)							
70 marks final exam for quantitative method								
	12. Learning and teaching resources							
Curriculum vocabulary in the book on	Required textbooks (methodology if							
public administration	any)							
Quantitative Methods and Operations	Main References (Sources)							
Research Books								
The Book of Probabilities								
Scientific journals in the fields of	Recommended supporting books and							
quantitative methods	references (scientific journals,							
	reports)							
https://pedia.svuonline.org	Electronic references, websites							