

Warith Al-Anbiya University Faculty of Business and Economics Accounting Department

	<u>Cc</u>	ourse Description Form				
ations Research in Engl	lish			Course Na	ame	1
2223 AD BC						2
2025/2024 Academic Year Second				3		
					•	4
	Classroc	oms				5
		•		Attendar	nce	_
			, , ,			6
						7
		Ntishon		name		
applications in the field of accounting and financial management. - Enable the student to formulate and solve mathematical models for accounting problems and (Objective)					res es of	8
 Theoretical lectures supported by presentations (power point). Class Discussions and Case Study Analysis. Solving exercises, practical applications and the use of modern technologies. Leverage Electronic and Desktop Resources. 					Teaching and Learning Strategies (Strategy)	
	1					10
Learning method	Uni	it Name or Subject	Outcomes required	for learning	Hou rs	The we ek
Lectures - Class Discussions	Research	and its Applications in	Understand the importance of operations research in solving accounting and management problems		3	1
Lectures - Class Discussions	Concept	s and Mathematical	Ability to formulate linear programming problems in the form of mathematical		3	2
Lectures - Class Discussions	Concept	s and Mathematical	+ ·		3	3
Practical Examples	_	~	Using Graph as a Tool to Solve Linear Programming Problems		3	4
Practical Examples	Simplifie	d Method (Simplex)	Application of Simplex Algorithm to Solve Multivariate Linear Programming Problems		3	5
			_			
	3 Email hjm135.hjm135@g udent to the concepts e field of accounting are ent to formulate and so ancial decisions. al analysis and planning sion theory cal lectures supported cussions and Case Stud exercises, practical appli Electronic and Deskto Learning method Lectures - Class Discussions Lectures - Class Discussions Lectures - Class Discussions Practical Examples	Acade 2024/10 5/2024 Acade 2024/10 Classroot 3 Email hjm135.hjm135@gmail.com udent to the concepts and method effeld of accounting and financial ent to formulate and solve mather ancial decisions. al analysis and planning skills using sion theory cal lectures supported by presentate assigns and Case Study Analysis. Exercises, practical applications and Electronic and Desktop Resource Collearning method Unit Lectures - Class Introduct Discussions Research Accounting Lectures - Class Discussions Concept Formula Lectures - Class Linear Processions Concept Formula Lectures - Class Linear Processions Concept Formula Practical Examples Diagram Linear Processions Concept Formula	2223 AD BC 5/2024 Academic Year 2024/10/1 Classrooms 3 Num Email Nam hjm135.hjm135@gmail.com assist. Lecturer: Huss udent to the concepts and methods of operations researce efield of accounting and financial management. ent to formulate and solve mathematical models for accouncial decisions. al analysis and planning skills using tools such as linear prosion theory cal lectures supported by presentations (power point). cussions and Case Study Analysis. exercises, practical applications and the use of modern teclelectronic and Desktop Resources. Course Structure Learning method Unit Name or Subject Lectures - Class Discussions Research and its Applications in Accounting Lectures - Class Discussions Concepts and Mathematical Formulation Lectures - Class Discussions Linear Programming: Basic Concepts and Mathematical Formulation Practical Examples Diagram Method for Solving Linear Programming Problems	Academic Year Second 2024/10/1 Classrooms 3 Number of Hours (Total) Email Name hjm135.hjm135@gmail.com assist. Lecturer: Hussein Nasser Sharmukh Ntishon udent to the concepts and methods of operations research and their elield of accounting and financial management. ent to formulate and solve mathematical models for accounting problems and ancial decisions. all analysis and planning skills using tools such as linear programming, network sion theory all lectures supported by presentations (power point). exceptions and Case Study Analysis. exercises, practical applications and the use of modern technologies . Electronic and Desktop Resources. Course Structure Learning method Unit Name or Subject Outcomes required: Lectures - Class Introduction to Operations Research and its Applications in Accounting problems Discussions Research and its Applications in Accounting and man problems Lectures - Class Linear Programming: Basic Oncepts and Mathematical Formulation programming problems Lectures - Class Linear Programming: Basic Differentiating betwork different forms of linear programming and chaptical Examples Practical Examples Simplified Method (Simplex) Application of Simples)	ations Research in English 2223 AD BC Course C 5/2024 Academic Year 2024/10/1 Date Descr Classrooms Remail Name hjm135.hjm135@gmail.com udent to the concepts and methods of operations research and their efield of accounting and financial management. ent to formulate and solve mathematical models for accounting problems and analysis and planning skills using tools such as linear programming, network sion theory Teaching Learning method Lectures - Class Discussions Lectures - Class Discussions Discussions Lectures - Class Discussions Discussions Discussions Lectures - Class Discussions	Academic Year Second Chapter 2024/10/1 Date Description Classrooms Forms of Attendance 3 Number of Hours (Total) Email Name hjm135.hjm135@gmail.com assist. Lecturer: Hussein Nasser Sharmukh Ntishon course efield of accounting and financial management. ent to formulate and solve mathematical models for accounting problems and all electures supported by presentations (power point). all electures supported by presentations (power point). all electures supported by presentations (power point). curseions and Case Study Analysis. sercises, practical applications and the use of modern technologies . Electronic and Desktop Resources. Course Structure Learning method Unit Name or Subject Outcomes required for learning Hours accounting and management problems Discussions Research and its Applications in Accounting Problems in the form of mathematical equations Lectures - Class Linear Programming: Basic Concepts and Mathematical Formulation Formulation Discussions Concepts and Mathematical Formulation Practical Examples Diagram Method for Solving Linear Programming Problems With Variables Practical Examples Simplified Method (Simplex) Application of Simplex 3 Course Simplified Method (Simplex) Application of Simplex 3

Participation	Use of artificial	The Great M Method of	Dealing with problem	s with 3	7
Scores	intelligence	Solving Linear Programming	equivalence constrair	its or	
		Problems	industrial variables us	ing the	
			M-major method		
Participation Use of technology		The Binary Problem in Linear	Analyze the relationsh	nip 3	8
Scores		Programming	between the core pro	blem and	
			the bilateral problem	and use it	
			to improve solutions		
Grades on	· ' '		Understand the trans	port 3	9
homework		Research	model and use differe	ent	
			methods to solve opti	mal	
			distribution problems		
Grades on	Practical Examples	Allocation model and allocation	Distinguish between a	3	10
homework		problem	transportation proble	m and a	
			customization proble	m and	
			choose the appropria	te	
			method for the soluti	on	
monthly	examination	examination	examination	3	11
Grades on	Use of technology	Methods for solving the	Using allocation algor	ithms 3	12
homework		allocation problem	such as the Hungarian	n method	
			to solve resource allo	cation	
			problems		
Grades on	Use of technology	Organizational Change	Integrate linear progr	amming 3	13
homework			with accounting data	for cost	
			analysis and decision-	making	
Grades on	Class Discussions	Review and practical	Review .	3	14
homework		applications on all previous			
		models			
monthly	examination	Final Exam	Comprehensive exam	3	15
Distribution of th	ne score out of 100 acco	ording to the tasks assigned to the	student, such as daily pr	eparation, daily,	11
	d written exams, and re	=			
a. Preparat	ion and Classroom Part	ticipation: 10 Marks			
In. Short Tes	sts: 10 Marks	·			
C. Reports	& Assignments: 10 Mai	rks			
D. Monthly	Exam: 20 Marks				
e. Final Exa	m: 50 marks				
And. Total = 1	00 Points				
		Learning and Teaching Resources	;		12
Decision Making and Operations Research Techniques in Accounting References Hom					
Kamal Nasser Supporting References (Journals and Reports)					
Google Scholar (Researcher) Electronic References					
		1			
	Head of Department				
	Name				
				Signed	

ASSOC. Prot. Dr. Hebatullan Mustafa Al-Sayed	Head of Department	
	Name	
	Signed	
T T T T T T T T T T		
2024/10/1	Date	