



Northern Technical University
Institute of Management - Nineveh
Department of Computer Systems
Technologies



MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	System Analysis		Module Delivery
Module Type	Core		<input checked="" type="checkbox"/> Theory <input type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input checked="" type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	CST107		
ECTS Credits			
SWL (hr/sem)	30		
Module Level	1	Semester of Delivery	
Administering Department		College	Computer Systems Department
Module Leader	Aamer Tahseen Suhail	e-mail	aamir@ntu.edu.iq
Module Leader's Acad. Title	Lecturer	Module Leader's Qualification	Master's degree in Computer Science
Module Tutor		e-mail	
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date	09/04/2024	Version Number	

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	1
Co-requisites module	None	Semester	



Module Aims, Learning Outcomes and Indicative Contents

اهداف المادة الدراسية ونتائج التعلم

Module Aims	The System Analysis. is one of the most important module in the computer science other fields of science , and is commonly used in many fields of computer science as designing of computer and applications systems.
Module Learning Outcomes	Understand the principles of the Systems analysis and design . Implementing and writing important concepts of systems analysis.
Indicative Contents	System Analysis : How to obtain outputs from the systems design, how to determine the steps of S.A. before design the new system.

Learning and Teaching Strategies

استراتيجيات التعليم والتعلم

Strategies	Intermediate level: making it ideal for performing systems , different types of systems analyzing as application systems, data base system and management systems
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Student Workload (SWL)

Structured SWL (h/sem)	15	Structured SWL (h/w)	2
Unstructured SWL (h/sem)	-	Unstructured SWL (h/w)	
Total SWL (h/sem)	30		

Module Evaluation

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	4	20% (20)		LO #1, 2, 5 and 6
	Assignments	2	20% (20)		LO # 2, 4, 5and 6
Summative assessment	Midterm Exam	2hr	10% (10)		LO # 1-8
	Final Exam	3hr	50% (50)		All
Total assessment			100% (100 Marks)		



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Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 - 49)	FX - Fail	قيد المعالجة	(45-49)	More work required but credit awarded
	F - Fail	راسب	(0-44)	Considerable amount of work required

تفاصيل المفردات	الأسبوع
<ul style="list-style-type: none"> definition of S.A. System types 	الأول
<p>Compound of S.A. .</p> <ul style="list-style-type: none"> outputs Inputs Operations <p>Types of S.A.</p> <ul style="list-style-type: none"> - Information system - Applications system - Management system 	الثاني والثالث



System analyzer experience	الرابع
<ul style="list-style-type: none"> Data and informations collectes méthodes 	الخامس والسادس
<ul style="list-style-type: none"> Information classifications Information indexing 	السابع والثامن
<p>1. Feasibility study Types of fesability</p> <ul style="list-style-type: none"> - Technical F. - Economical F. 	التاسع والعاشر
<ul style="list-style-type: none"> System flowcharts - Inputs design - Operations design - Outputs design 	الحادي عشر - الثاني عشر
<ul style="list-style-type: none"> System documents System maintenance methods 	الثالث عشر
<ul style="list-style-type: none"> Facts studies of different systems, analyzing and designing 	الرابع عشر و الخامس عشر