	Ministry of Higher Education and Scientific Research - Iraq Al-Nahrain University College of Science Computer Science Department	

MODULE DESCRIPTION FORM
نموذج وصف المادة الدراسية

Module Information معلومات المادة الدراسية				
Module Title	Computer II		**Module Delivery**	
Module Type	Compulsory		☐ **Theory** ☐ **Lecture** ☒ **Lab** ☐ **Tutorial** ☐ **Practical** ☐ **Seminar**	
Module Code	COMP2207			
ECTS Credits	3.0			
SWL (hr/sem)	75			
Module Level	2	**Semester of Delivery**	2	
Administering Department	Computer science	**College**	Science	
Module Leader	Dr. Jamal Mohammed Kadhim	**e-mail**	Jamal.mohammedkadhim@nahrainuniv.edu.iq	
Module Leader's Acad. Title		**Module Leader's Qualification**		
Module Tutor	Dr. Rasool Hisham, Ibtihal A. Duam, Humam Khalid	**e-mail**		
Peer Reviewer Name		**e-mail**		
Scientific Committee Approval Date		**Version Number**	1.0	

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

Module Aims, Learning Outcomes and Indicative Contents أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية	
Module Aims أهداف المادة الدراسية	• Understand fundamental concepts of Linux operating system. • Make students familiar with non-windows platform. • Prepare students to open-source community. • Working with security principles in Linux operating system.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	• Discover Operating System's filing system. • Creating different users with different privileges. • Dealing with files and directories. • Dealing with BASH command Shell. • Searching in files. • Dealing with Linux GUI.
Indicative Contents المحتويات الإرشادية	• Importance of dealing with BASH. • Importance of dealing with open-source community. • Importance of writing scripts in Linux.

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	• Weekly lectures, PowerPoint slides, group discussion and weekly tasks • Following the teaching strategies in the class, providing digital material, and students engagement during the lecture.

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	33	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	2.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	42	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	2.8
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	75		

Module Evaluation تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	**Quizzes**	2	10% (10)	7, 14	All
	Assignments	1	10% (10)	15	All
	Projects / Lab.	1	10% (10)	Continuous	All
	Report	1	10% (10)	13	All
Summative assessment	**Midterm Exam**	2 hr	10% (10)	10	All
	Final Exam	4 hr	50% (50)		All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered
Week 1	What is Linux? What is Linux Disro.? Installing Virtual Box. Installing Linux
Week 2	- Exploring Dolphin (File Manager) Dealing with Files and folders (i.e., creating, editing, copying, and deleting) - Exploring Add/Remove Software through Discover (general view), and how to launch it. - How to add a keyboard shortcut to an installed software.
Week 3	Exploring adding software to main panel, in addition to creating keyboard shortcut. - How to add a new user account. - How to understand user's and administrator's privileges, and how to modify these privileges. - Logout from and log into these accounts.
Week 4	System Monitor, Libreoffice, Konsole, Introducing BASH, date command, cal command pwd command, ls command, relative and absolute path names, cd command, using TAB in editing
Week 5	More on ls : ls -Shat, file command, less command, Exploring system directories
Week 6	Manipulating Files and Directories cp, mkdir, mv, rm
Week 7	Mid Exam #1
Week 8	Redirection
Week 9	Permissions
Week 10	Package Management
Week 11	Mid Exam#2
Week 12	Searching for files
Week 13	Archiving and backup
Week 14	Archiving and backup

Week 15	Archiving and backup

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	منهج النظري نفسه للعملي وذلك لان المادة عملي فقط
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	
Week 8	
Week 9	
Week 10	
Week 11	
Week 12	
Week 13	
Week 14	
Week 15	

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	**Available in the Library?**
Required Texts	The Linux Command Line, Fifth Internet Edition, by William Shotts.	No
Recommended Texts		
Websites		

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	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.