

1.	Course Title	Elements of Internet Applications			اسم المادة
2.	Course Code	CICT1073			رمز المادة
3.	Status	Major			مادة أساسية
4.	Credit Hour	3 (2+1) 2 for lectures (2 hours per week x 14 weeks) 1 for tutorial (1.5 hours per week x 14 weeks)			عدد الساعات المعتمدة
5.	Semester/Year	1/3			الفصل الدراسي
6.	Prerequisites	CICT1033, CICT1043 & BMGT1013			المطلوب السابق إن وجد
7.	Teaching method:	Distance Learning (Electronic)			طريقة التدريس
8.	Evaluation	Assessment and Marking Percentage: Quizzes الامتحانات القصيرة 10 % Assignments الواجبات 10 % Interactions through discussion board المنتديات 10 % Mid-Semester Exam الامتحان النصفى 20 % Final Examination الامتحان النهائي 50 %			
9.	Lecturer				
10.	Objective of the Subject	The goal of CICT1073 is to increase and refine students' knowledge of Internet and Web terminology, infrastructure, content, and diversity of access and tools. Student will learn how there are many different options for Internet access, searching, and communication He'll gain insight into many areas of Internet knowledge that have grown into professional specialties--including Internet Service Providers, demographic research and marketing, searching, training, and Web development.			
11.	Learning Outcomes	Upon completion of CICT1073, students should be able to: • Apply the concept of Internet application to facilitate the organizations. • Identify the current Internet applications in industry • Help the organization to develop Internet application infrastructure that is of high quality and consistent with organizational business goals.			
12.	Synopsis	CICT1073 covers the history of internet, internet organizations, concepts and functions of the internet. Further, students also learn about hardware and software.			
13.	Topics	Details	Lecture (Hrs)	Lab (Hrs)	
	Topic 1	Internet History • Birth of a Network • Infancy • The Research Net • Address Exhaustion and the World Wide Web (WWW) • The new Internet	4	4	
	Topic 2	Internet Organizations • Internet Society (ISOC) • Internet Architecture Board (IAB)	4	4	

		• Internet Engineering Steering Group(IESG) • Internet Engineering Task Force(IETF) • Internet Assigned Number Authority (IANA) • RFC Editor • InterNIC		
	Topic 3	Concept • Application Programming Interface (API) • Autonomous System AS • Acronyms • Binary Arithmetic • Algorithms • Bridging • Hypertext • IP Address • LANs and WANs • Networking • Protocols • Routing • Socket • Switching • Delivery Model	6	6
	Topic 4	Functions • Domain name Service (DNS) • File Sharing • File Transfer • Mail • Network Management • News • Publication • Remote Login • Routing • Security • Session Management • Transport • Window System	6	6
	Topic 5	Hardware • Ethernet • Serial Link • ISDN • DSL • Broadband • Wi-Max • Satellite • Wireless	4	4
	Topic 6	Software • DNS • Hypertext • Languages • Mail • Network Management • Routing • Testing	4	4
		Total contact hours	28	28
		Equivalent lecture hours	28	14
		Total lecture hours	42	

		Credit hours	3
14.	References Text book: Additional : Other materials :	Okin, J.R. (2005). The Internet Revolution: The Not-for-Dummies Guide to the History, Technology and Use of the World Wide Web. Ironbound Press. 1. Dietel, Harvey M. and Dietel, Paul J. (2004). Internet and WWW How To Program (3rd. ed) Prentice Hall. 2. Hartman, K and Ackermann, E. (2005). Searching and Researching On the Internet and World Wide Web (4th ed.). Franklin & Beedle Associates. All other materials will be available to students online.	