



Arwa Mohammad Almalki

Teaching Assistant

Personal Data

Nationality | Saudi

Date of Birth | 01/05/1991

Department | Computer Information Systems

Official IAU Email | ammalki@iau.edu.sa

Office Phone No. | -

Language Proficiency

Language	Read	Write	Speak
Arabic	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
18/05/2018	Master of Science, Computer Science	University of Colorado Denver	Denver, Colorado United States
06/06/2012	Bachelor of Science in Computer	University of Dammam	Dammam, Saudi Arabia

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Teaching Assistant	University of Dammam	College of computer science and Information Technology, Computer Information systems Department	Dammam , Saudi Arabia 06/07/2014



Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	System Analysis and Design	CIS412	Lab
2	Software Quality Assurance	CIS512	Lab
3	Fundamentals of Information Systems	CIS211	Lectures

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

System analysis and design – CIS412: This course emphasizes on the analysis of the structured system and designing techniques for software project development. It includes: setting IS project goals, developing work plans and methods to achieve those goals, and measuring progress against a project plan. The course material includes describing the major alternative methodologies used in developing information systems and the considerations involved in choosing which methodology to use. Production of the requisite systems documentation at each point in the analysis and designing an information system, and doing so with clarity and completeness. Analyzing business need for information and developing an appropriate strategy to solve the problem and providing the required information service. Preparing and using various information gathering techniques for eliciting user information requirements and system expectations. Construction and interpretation a variety of system description documents. Students will be trained on some latest software tools.

Software Quality Assurance – CIS512: Contents cover definition of software quality, difference between quality assurance and quality control, role of management in fostering quality culture, software quality standards such as ISO 9001, Capability Maturity Model Integrated (CMMI), development of Software Quality Assurance Plan, implementation of quality metrics, artifacts design for quality management, audits and reviews, software testing, white box and black box testing techniques, testing levels (unit testing, integration testing, regression testing, system testing), designing test cases and test plan, executing test cases and preparing test report. In addition students, will be trained on related software tools.

Fundamentals of Information Systems – CIS211: This course is designed to introduce the basic concepts of modern Information Systems (IS) and the use of information system in global organizations. The key topics of this course will be the major components of the information systems; people, software, hardware, data, and communication technologies. The course will also provide students with the knowledge about the use and management of information system components to establish competitive advantage and quality improvement of local and global organizations. Moreover, the course also covers the



concepts of information system development and acquisition, in addition to emerging types of software that are widely used in contemporary organizations and society. Students are given knowledge of how to secure information systems resources, focusing on information security principles and issues. Students are also acquainted with career opportunities and social and ethical responsibilities.

Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Committee Membership

#	From	To	Position	Organization
1	2018	present	Member	Student Advising Unit
2	2018	present	Member	Public Relation and Annual Report Unit
3	2018	present	Member	Scholarship and Promotions Unit

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Experience in several programming languages (JAVA, C++, python, matLab, VB.net)
2	Time management skills
3	Teamwork and meeting deadlines
4	Strong attention to details and very organized

Last Update

10 / 10 / 2018