Dr. Hamed Issa Al-Salmi

Assistant Professor

Mathematical and Physical Sciences - Computer Sciences Section

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Time at UoN: Since 2008

Marital Status: ..

Received Ph.D. in computer sciences from the International Islamic University Malaysia, M.S. in computer sciences from the University of Bedfordshire – UK, and B.A. in computer sciences from the University of Nizwa.

Academic Qualifications

Ph.D. in Computer Sciences, International Islamic University Malaysia, 2021, Towards Automatic Mind Maps Generation of The Holy Quran: The Case Study of Surat Al-Baqarah

Master in Computer Sciences, University of Bedfordshire - UK, 2016

Bachelor in Computer Sciences, University of Nizwa, 2013

Diploma, Nizwa College of Technology, 2003

Teaching Activities

COMP 270 - Web Developments, This course will provide the student with a comprehensive introduction to programming tools and skills required to build and maintain server sites on

the Web., Fall 2019 - Spring 2021

Advanced Database Design, This course builds upon the student`s general understanding of database systems acquired in the prerequisite course, and emphasizes the techniques and practice of database application development, as well as its theoretical underpinning. It also provides a comprehensive introduction to the Oracle development suite as an example toolset, enabling the student to acquire transferable skills and proficiency in developing more substantial `real life` database applications., Fall 2022 and Spring 2024

Database Concepts and Applications, This course introduces students to databases and database management systems. The course will first present general information about file systems and database management systems. Then, it will introduce data modeling using Entity-Relationship (ER) diagrams and how to do database design using ER modeling. Normalization will then be covered to produce well-structured and designed database systems. The basics of the Structured Query Language (SQL) will also be covered and students will apply what they learn using Microsoft Access and MySQL, Fall 2023

Computer Skills, This is an introductory course in computer science required to be taken by all students in all majors. The theoretical part of this course introducing today's technologies, internet, websites and media, computer and mobile devices, programs and apps, digital security, computing components, input and output devices, digital storage, communicating digital content. While the practical part focus on developing the students' skills for advanced level of Microsoft Word, Excel and PowerPoint., Fall 2023

COMP355 - Fundamentals of Operating Systems, This course is a general introduction to the design and implementation of modern operating systems. The subjects to be covered include historical development of operating systems, processes, threads, CPU scheduling, deadlocks, memory management, input/output systems and security., Fall 2021

Research Activities
- Research Interests

Artificial Intelligence

E-Learning

- Conference Attendance

Oman STEAM Education Conference, Muscat, 22/02/2024

منتدى تطبيقات الرؤية الحاسوبية المبنية على الاستشعار عن بعد في حماية البيئة, SQU, 28/11/2023

Digital Universities MENA 2023, Riyadh, Saudi Arabia, 09/10/2023

- Publications

Book:

1. 2021 [Towards automatic mind maps generation of the Holy Quran : the case study of Surat al-Baqarah](#), Al-Salmi, Hamed Issa

Award and Recognitions

2014 Second Prize in Oman Web Awards Competition

2011 Third Prize in Oman Web Awards Competition

2009 First Prize in Oman Web Awards Competition