

## JOB DESCRIPTION

### ADJUNCT FACULTY IN COMPUTING

JOB DETAILS			
Position Title:	Adjunct Faculty in Computing	Grade	
Department/Division:	Electrical Engineering & Computing		
Reports to:	Department Chair		
Supervises:	None		
Last Updated on:	August 9, 2022		

### Job Purpose

The department of Electrical Engineering and Computing Sciences at RIT Dubai is currently seeking applications from exceptional candidates with a strong commitment to education for adjunct teaching positions in computing sciences for the following courses:

#### **NSSA 102- Computer Systems Concepts**

This course teaches the student the essential technologies needed by NSSA majors, focused on PC and mainframe hardware topics. They include how those platforms operate, how they are configured, and the operation of their major internal components. Also covered are the basic operating system interactions with those platforms, physical security of assets, and computing-centric mathematical concepts.

#### **NSSA 220 - Task Automation**

An introduction to the Unix operating system and scripting in the Perl and Unix shell languages. The course will cover basic user-level commands to the Unix operating system, followed by basic control structures, and data structures in Perl. Examples will include GUI programming, and interfacing to an underlying operating system. Following Perl, students will be introduced to the basics of shell programming using the Unix bash shell. Students will need one year of programming in an object-oriented language.

#### **NSSA 443 - Network Design and Performance**

This course will examine the design and performance of networks. Students will learn to design networks based on identified needs and analyse the performance of that network. The designs include site, campus, and enterprise. WAN technologies will be combined with LAN technologies in the design of enterprise networks. A simulation tool may be used to implement the design as a network model and evaluate the performance of the network model.

#### **ISTE 260 - Designing the User Experience**

The user experience is an important design element in the development of interactive systems. This course presents the foundations of user-centred design principles within the context of human-computer interaction (HCI). Students will explore and practice HCI methods that span the development lifecycle from requirements analysis and creating the product/service vision through system prototyping and usability testing. Leading edge interface technologies are examined. Group-based exercises and design projects are required.

The teaching assignment is intended for the Fall 2022 semester which starts on August 29 and ends on December 16.

## **REQUIRED QUALIFICATIONS:**

- PhD from an accredited institution in information technology, computer science, or a closely related field with a coursework in the above areas. (Master degrees can be considered for a small number of courses).
- Previous teaching experience.
- Excellent communication skills.

## **APPLICATION PROCEDURE:**

Please email your application to [careersdubai@rit.edu](mailto:careersdubai@rit.edu) and include the following items in your application:

- Subject line must include the source, your name and position you are applying for;  
(Mr. John Smith – Adjunct Faculty in Computing)
- Cover letter detailing your technical/professional, teaching, and scholarship qualifications and achievements
- Resume or curriculum vitae
- Contact information

Applications review will begin immediately and continue until a candidate is selected. Only shortlisted candidates will be contacted. For more information please visit RIT Dubai website at [www.dubai.rit.edu](http://www.dubai.rit.edu).