ADJUNCT TEACHING POSITIONS IN THE COMPUTING PROGRAMS AT RIT DUBAI

RIT Dubai is currently seeking applications from exceptional candidates for adjunct teaching positions in the area of Computing Security and Networking & System Administration. The following courses are available for adjunct teaching in Fall 2015:

1. **ISTE-120 (Computational Problem Solving in the Information Domain I):** A first course in using the object-oriented approach to solve problems in the information domain. Students will learn to model hierarchical information structures using XML, to design software solutions using the object-oriented approach, to visually model systems using UML, to implement software solutions using a contemporary programming language, and to test these software solutions. Additional topics include thinking in object-oriented terms, and problem definition. Programming projects will be required.

2. **ISTE-190 (Foundations of Modern Information Processing):** Computer-based information processing is a foundation of contemporary society. This course provides an overview of modern information processing technologies, applications, practices and trends. An emphasis is placed on how these technologies shape information environments and how participants in these environments are able to access, process, and use data and information. Topics include computing system fundamentals, models for organizing data and information, data exploration and knowledge discovery, Internet and the Web, social computing, information security and privacy, and current trends and futures.

3. **NSSA-220 (Task Automation Using Interpretive Languages):** 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.

4. **CSCI-141 (Computer Science I):** This course serves as an introduction to computational thinking using a problem-centered approach. Specific topics covered include: expression of algorithms in pseudo code and a programming language; functional and imperative programming techniques; control structures; problem solving using recursion; basic searching and sorting; elementary data structures such as lists, trees, and graphs; and correctness, testing and debugging. Assignments (both in class and for homework) requiring a pseudo code solution and an implementation are an integral part of the course. An end-of-term project is also required.

REQUIRED QUALIFICATIONS:

- Candidates must hold an earned terminal degree in Computer Engineering/Science or Information Technology, or a closely related field
- Previous teaching experience
- Excellent communication skills
APPLICATION PROCEDURE:

Please email your application to 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; eg: AcademicKeys – Dr. John Smith – French
- Resume or curriculum vitae
- Contact information
- Cover letter detailing your technical/professional, teaching, and scholarship qualifications and achievements
- Teaching philosophy statement
- Names, addresses and phone numbers of three references

Applications review will begin immediately and continue until a candidate is found. Only shortlisted candidates will be contacted. For more information please visit RIT Dubai website at www.dubai.rit.edu.

ADDITIONAL INFORMATION

RIT Dubai a branch campus of the Rochester Institute of Technology in Dubai, United Arab Emirates. It was established in June 2008 to offer RIT degrees and curriculum in Dubai. Currently it offers bachelor and master's degree programs in engineering, business, networking and leadership.

THE UNIVERSITY: RIT is a multifaceted university located in Rochester, New York. The university offers more than 200 options in its professional career programs and delivers courses on-campus, online and in numerous international locations. The university enrolls more than 18,000 students representing all 50 states and more than 100 countries.