**CT1503 Network Operating Systems**

Fall Semester 1438/1439

**College of Applied Studies and Community Service**

**Department of Natural & Engineering Sciences**

Instructor: Sara Alhajjam

**COURSE SYLLABUS**

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| **OFFICE:** |  Room 2 |
| **OFFICE HOURS:** | 10-11 TUE, THR |
| **E-MAIL ADDRESS:** |

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| salhajjam@ksu.edu.sa |

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| **WEB PAGE:** | http://fac.ksu.edu.sa/salhajjam |
| **CLASS HOURS:** | 8-11 SUN |
| **Credit Hours:**  | 3 |
|  |  |

**Course Description:**

Students are introduced to: Networks operating systems definitions; Basic tasks of networks operating systems; Examples of networks operating systems (UNIX, Linux, windows, etc.); Various networks operating systems management tools; Users accounts administration; Networks operating systems protocols setup; and Security systems related to networks operating systems.

**Course Objectives:**

The main purpose of this course is to introduce Network Operating Systems starting from legacy Standalone Computer Operating Systems and legacy Network Operating Systems and walking students through latest and state of art Network Operating Systems.

**Course References:**

1. Class materials
2. Linux Fundamentals Paul Cobbaut, Publication date 2015-05-24 CEST
3. Networking Bible, Sosinsky, John Wiley & Sons.

 **Methods of Assessment:**

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| --- | --- | --- | --- |
| Assessment | Assessment task | Day due | Proportion of Final Assessment |
| **1** | **Assignment**  | **random** | **20%** |
| **2** | **Quizzes** | **random** | **10%** |
| **3** | **Mid Term 1** | **2/2/1439** | **15%** |
| **4** | **Mid Term 2** | **1/3/1439** | **15%** |
| **5** | **Final Exam** | **last** | **40%** |

**Assignment (20 %)**

Students will work on a semester-long research assignment. The topic will be in the area of network operating system. Students will work with the instructor to formalize the research topic. At the end of the semester, each student will give an oral presentation on the topic and turn in a comprehensive technical report describing the topic.

**Course Policies:**

1. No late homework will be accepted.
2. Homework assignments are considered individual efforts. However, students are encouraged to share thoughts with others. Absolutely no copying and no plagiarism. Copyright should be respected. Academic dishonesty cases will be dealt with severely.
3. All exams are closed book.
4. The final exam will be comprehensive.