



Electrical Engineering Department
EE-400, Lab Schedule, Term-062

Lab Instructor: **MUHAMMAD AJMAL KHAN**

Lecturer, Electrical Engineering Department, KFUPM.

Office Hours: **SUN, TUE, 1:15 PM – 2:00 PM**

E-mail: ajmal@kfupm.edu.sa

Phone: 1392, Office Location: 59-0032

| Week | Date | Exp No | Experiment Title | Location |
|------|----------------|--------|---|----------------------|
| 1 | 17 – 21 Feb. | | No Lab | |
| 2 | 24 – 28 Feb. | 1 | Configuration of TCP/IP Parameters and Troubleshooting Network Connectivity using DOS Networking Utilities. | 59-0071 |
| 3 | 3 – 7 Mar. | 2 | IP Addressing and Subnetting: Establishing Elementary Networks using Hubs, Switches and Routers. (Home Work 1) | 59-0071 |
| 4 | 10 – 14 Mar. | 3 | Point to Point Local Communications and Remote Access Service (RAS). Quiz 1: From Experiments 1 and 2. | 59-0071 |
| 5 | 17 – 21 Mar. | | No Lab | |
| 6 | 24 – 28 Mar. | 4 | Design of Simple and Complex Networks using ConfigMaker Tool / Packet Tracer (Home Work 2) | 59-0071 |
| 7 | 31 Mar – 4 Apr | 5 | LAN Extension by Bridges and WAN Connectivity by Routers using HDSL Links | 59-0071 |
| 8 | 7 – 11 Apr. | 6 | Access Methods, Configuration and Monitoring of Layer-2 Switches. | 59-0071 |
| 9 | 14 – 18 Apr. | | No Lab (Mid-Term Vacations from 12 – 15 April) | |
| 10 | 21 – 25 Apr. | 7 | Configuration of Routers and Establishing Routed Networks. (Comp. Assignment / Lab Project) Quiz 2: From Experiment 6. | 59-0071 |
| 11 | 28 Apr – 2 May | | No Lab | |
| 12 | 5 – 9 May | 8 | Data Traffic Capture and Protocols Analysis using Sniffer Tool. Quiz 3: From Experiment 7. | 59-0071 |
| 13 | 12 – 16 May | 9 | KFUPM Data Network: Study of Real-World Networking Equipment and Servers | Bldg. 14 ITC |
| 14 | 19 – 23 May | 10 | KFUPM Voice Network: Introduction to Voice Switches and Inter-System Links | Bldg 34. Tel. Ex. |
| 15 | 26 – 30 May | | No Lab (Preparation for Lab Final) | |
| 16 | 2 – 3 June | | LAB FINAL (Date will be announced later) | |

Lab 20 Points Distribution:

Three Quizzes = 5 points, Lab Performance = 1 point.

Two Home Works = 2 points, Computer Assignment (Lab Project) = 2 points.

Lab Final = 10 (Final Exam will be of all types of questions including MCQ's, design, descriptive etc)

Important Notes:

- One (1) mark each will be deducted from the total marks for any unexcused absences for two times only. On absence for the third time, student will be given “DN” grade.
- Half (0.5) marks will be deducted for a late arrival.
- Students not present at the end of the lab are considered absent.