***In the name of Allah, Most Gracious, Most Merciful.***

**KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS**

**Electrical Engineering Department**

**EE204 LAB-152 Syllabus**

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| **Week** | **Experiments** |
| 1. 17 Jan. | No Lab |
| 2.24 Jan. | **Exp. 1:** Lab safety rules and Introduction to Multisim |
| 3.31 Jan. | **Exp. 2:** Resistors and Ohm’s Law |
| 4.7 Feb. | **Exp. 3:** Kirchhoff’s Laws |
| 5.14 Feb. | No Lab |
| 6.21 Feb. | **Exp. 4:** Current & Voltage Divider |
| 7.28 Feb. | **Exp. 5:** Superposition, Thevinin & Norton Theorems |
| 8.6 Mar. | **Exp. 6:** Thevinin / Norton Theorems and Maximum Power Transfer |
| Mid Term Break |
| 9.20 Mar. | **Exp. 7:** The Oscilloscope and Function Generator |
| 10.27 Mar. | Experimental Test |
| 113 Apr. | No Lab |
| 1210 Apr. | **Exp. 8:** Frequency Domain Analysis |
| 1317 Apr. | **Exp. 9:** Max. Power Transfer |
| 1424 Apr. | **Exp. 10:** Average and RMS Values |
| 151 May. | Final Lab |

## **Grade Distribution:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Lab Reports | Prelab Reports | Quizzes | Experimental Test | Final Lab | Total |
| 4 | 2 | 3 | 3 | 8 | 20 |