

# **KING FAHD UNIVERSITY OF PETROLEUM & MINERALS**

## **ELECTRICAL ENGINEERING DEPARTMENT**

### **EE-463 Power System Analysis Semester (981)**

**Coordinator:** Dr. Ibrahim O. Habiballah

**Instructors:** Dr. Ibrahim O. Habiballah (Secs. 1 and 2), Location: 14-103

**Office Hour:** Sat. and Mon. 11:20am – 1:00pm Room # 14-265  
Ext. 4985 OR e-mail: [ibrahimh@kfupm.edu.sa](mailto:ibrahimh@kfupm.edu.sa)

**Text Book:** Power System Analysis, J.J. Grainger and W.D. Stevenson

#### **Grade Distribution:**

##### **Homework & Attendance: 10%**

(Due date of each homework will be announced in class)

##### **Two Major Exams : 20% each**

(Time and place will be announced in class)

##### **Project : 20%**

(Due date will be announced in class)

##### **Final Exam: 30%**

## **EE-463 (981)**

### **Tentative Schedule**

<b># of Lectures</b>	<b>Subject</b>
5	General Background & Basic Concepts (Chapter 1)
6	System Modeling & Network Calculations (Chapters 7 & 8)
5	Load-Flow Solution & Control (Chapter 9)
8	Faults Analysis (Chapters 10, 11 and 12)
3	Transient Stability (Chapter 15)
3	Presentation of the Project