

ECE 312
Electronic Circuits (A)
Instructor
Dr. Maher Abdelrasoul

Course Information

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| Instructor: | Dr. Maher Abdelrasoul |
| Lectures: | Sunday:10:40-12:10, Tuesday: 10:40 -12:10 |
| Office Hours: | Wednesday: 10:00-12:30, Thursday: 10:00-12:30 |
| Teaching Assistant: | Eng. Eslam Hasan |
| Text Book: | R. Boylestad, Electronic Devices and Circuit Theory, 11th edition, Prentice Hall |
| Credit: | 150 Marks |
| Grading: | <ul style="list-style-type: none">• Final Exam (60%)• Mid Term Exam (10%)• Homework and tutorials activities (10%)• Individual Project (10%), • Group Project (10%) |

Course Objectives

- Understand the transistor biasing, modeling, and its small signal analysis.
- Analyze the transistor circuits at low, medium and high frequencies and study its frequency response using bode plots.
- Explain the operation of tuned amplifiers and power amplifiers.
- Learn the difference between amplifiers and oscillators and study the oscillator circuits.
- Study the mixers and modulators circuits.

Thank You!

