

## Solid-State Electronics EE231

Term: Fall 2018

Instructor: Dr. M. El-Banna, Room: 4<sup>th</sup> floor

TA Tutorials :Eng Menna

TA Labs :Eng Claudia

Classes:

Lecture: SUN 10:20 - 12:00

Topics to be covered:

Chapter 1: Introduction to Quantum Mechanics

Chapter 2: Energy-Band Theory

Chapter 3: Dielectric Materials

Chapter 4: Magnetic Materials.

Text Book: Class Notes by M. El-Banna

Introduction to Solid-State Physics

C. Kittel

Principle of Electronic Materials and Devices.

S. O. Kasap

Grading Policy:

MidTerm1            15 pts Dr. Banna + 15 pts Dr. Shimy

LAB                    15 pts

Project                15 pts

Final                    45 pts Dr. Banna + 45 Pts Dr. Shimy

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