

Benha University

Microprocessor ECE311C & ECE413

Computer Systems Engineering

Electrical Engineering Department



Faculty of Engineering (at Shoubra)

| Course Title: | Microprocessor | |
|----------------------------|---|--|
| Course Code: | ECE311C & ECE413 | |
| Course Page: | http://bu.edu.eg/staff/ahmedbayoumi-courses/13475 | |
| Instructor: | Dr. Ahmed Bayoumi (http://www.bu.edu.eg/staff/Ahmed Bayoumi) | |
| Main Textbook: | The intel microprocessors (8th Edition) Architecture, Programming, and Interfacing. by BARRY B. BREY. ISBN-13: 978-0-13-502645-8, ISBN-10: 0-13-502645-8 | |
| Other Resources: | | |
| Course Contents: | Introduction to the m The microprocessor a Addressing modes Data movement instr Arithmetic and logic Program control instr Using assembly lang Programming the mid 8086/8088 hardware Memory interface | uctions instructions ructions uage with c/c++ croprocessor |
| Recommended Background: | b) Computer system arithmetic). | n as the likelihood of an event) n organization (such as binary representations and ortable with simple calculations and manipulations using |
| Attendance Policy: | Attendance is expected. Whether you attend or not, you are responsible for keeping track of whatever happens during the lectures and the tutorials. Side talking, cellphones, laptops, food/drinks, and walking¹ are not allowed. | |
| Total Marks: | 150. | |
| Grading System: | | |
| | Attendance ² : | 05% |
| | Assignments: | 05% |
| | Quizzes: | 05% |
| | Midterm Exam: | 15% |
| | Project(s): | 10% |

¹If you are late for the lecture, then you are allowed to walk into the lecture hall but quietly (1 min only). ²Attendance will be taken anyway.

Final Exam:

Total

60%

100%