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# Industrial Controls (1) By

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## Lecture (1) 17 – 02 - 2019







### **Course Code: EEC412**

Prerequisites: EEC213 & EEC222

Study Hours: 3 Cr. hrs.

= [2 Lect. + 3 Lab]







Final Exam: 40%.

Midterm: 30%.

Year Work & Quizzes: 20%.

**Experimental/Oral: 10%. Textbook:** 

Industrial control PLC and its applications



#### Syllabus

· Introduction to industrial controls. Detecting sensors and actuating elements. Relay logic and their applications. Š Introduction to PLC's and their types. Construction and hardware configuration and descriptions.

Programming and testing basic functions.

#### Cont.

• Programming and testing advanced functions.

• Industrial applications using PLC.