

# Sensors and Actuators

4<sup>th</sup> quarter of 2022/2023

## Theoretical Class Schedule

Number	Date	Class Title	Book Chapters
1	Tuesday, May 2, 2023	Introduction to the Course and to Sensors and Actuators	Chapter 1, Sections 1.1 - 1.4
2	Friday, May 5, 2023	Datasheets, Micro and nano-technology	Chapter 1, Section 1.5
3	Tuesday, May 9, 2023	Based on the Electric Field	Chapter 3
4	Friday, May 12, 2023	Based on the Electric Resistance	Chapter 4
5	Tuesday, May 16, 2023	Based on the Magnetic Field - Stepper Motor	Chapter 5, Section 5.4
6	Friday, May 19, 2023	Based on the Magnetic Field - others	Chapter 5, Sections 5.5 - 5.12
-	Tuesday, May 23, 2023	(no class)	-
7	Friday, May 26, 2023	Devices Based on Mechanical Effects	Chapter 6, Sections 6.1 - 6.6
8	Tuesday, May 30, 2023	Devices Based on Thermal Effects	Chapter 7
9	Friday, June 2, 2023	Based on Electromagnetic Radiation - LED, Photodiode, Pyrometer and others	Chapter 8, Sections 8.1 - 8.4, 8.8 - 8.10 and 8.12 - 8.16
10	Tuesday, June 6, 2023	Based on Electromagnetic Radiation - GPS	Chapter 8, Section 8.17
11	Friday, June 9, 2023	Networks of Sensors and Actuators	Chapter 10
-	Tuesday, June 13, 2023	(holiday - no class)	-
12	Friday, June 16, 2023	Summary	Chapter 11

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