

New sensors in industrial, environmental and biomedical applications

Academic Year: (2019 / 2020)

Review date: 25-04-2020

Department assigned to the subject: Electronic Technology Department

Coordinating teacher: LAMELA RIVERA, HORACIO

Type: Electives ECTS Credits : 3.0

Year : 1 Semester : 2

DESCRIPTION OF CONTENTS: PROGRAMME

- 1.-Introduction to New Sensing and Instrumentacion Systems.
- 2.-Characteristics, Performances and Specifications of Sensors and Transducers.
- 3.-Electrical, Optical, Optoelectronic and Spectral Characteristics of the New Seniors.
- 4.-Compensation of Influence Parameters to Obtain High Sensitive Physical Measurements in New Sensors.
- 5.-Signal Processing and Conditioning for New Sensors.
- 6.-Physical Integartion, Compact Characteristics and Enviroment Application of the New Sensors and New Sensing Systems.
- 7.-Measurements of Physical Magnitudes and Sensing Systems and Instrumentation in Industrial, Enviromental and Biomedical Applications

ASSESSMENT SYSTEM

-Final Exam: 40%

-Continuos Evaluation: 60%

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| % end-of-term-examination: | 40 |
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| % of continuous assessment (assigments, laboratory, practicals...): | 60 |
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