COURSE: Electronic sensors, detectors and devices

ACADEMIC YEAR: 2019/20

TEACHER: IULA ANTONIO

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Language: ITALIAN  mobile (optional):

TEACHER: IULA ANTONIO

ECTS: 9  n. of hours: 81  Campus: Potenza
  Dept./School: Scuola di
  Ingegneria
  Program: Corso di Laurea
  Magistrale in Ingegneria
  Informatica e delle Tecnologie
  dell'Informazione  Semester: A

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

Knowledge. The student has to know and understand the working principle of electronic devices and systems studied during the course.

Applying knowledge. The student has to be able to apply acquired knowledge through experiments and/or numerical exercises on real devices.

Criticism. The student has to be able to evaluate by himself possible methods or techniques to solve specific problems.

Communication Skills. The student has to show his communicative skills through written reports and oral presentations.

Learning capability. The student has to able to get the state of art on a specific issue trough consultation of scientific literature.

PRE-REQUIREMENTS
Courses of Electronics, Numerical Models for Fields and Circuits.

SYLLABUS

Introduction to biometric systems. (27 h).

Devices for ultrasound generation. (54 h)

TEACHING METHODS
Theoretical lessons, Classroom and laboratory tutorials

EVALUATION METHODS
Discussion of a project and/or final examination.

TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL
Pamphlets supplied during lessons

INTERACTION WITH STUDENTS
Direct (2 hours a week) Wednesday 12,00-14,00, by e mail (at any time), before and after lessons. Mailing or whatsapp list.

EXAMINATION SESSIONS (FORECAST)¹
24/06/2020; 22/07/2020; 23/09/2020; 28/10/2020; 16/12/2020; 17/02/2021; 12/05/2021

SEMINARS BY EXTERNAL EXPERTS YES ☑ NO ☐

FURTHER INFORMATION

¹ Subject to possible changes: check the web site of the Teacher or the Department/School for updates.