



MECHATRONICS

ING-IND/13 - 6 CFU - 1° Semester

Teaching Staff

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DETAILED COURSE CONTENT

Introduction to Mechatronics:

Systems, models and their classification

Components of mechatronic systems

Sensors

Examples of mechatronic systems

MEMS (Micro ElectroMechanical Systems)

Fundamentals of Robotic Mechanical Systems

TEXTBOOK INFORMATION

[1] De Silva, *Mechatronics an integrated approach*, CRC Press

[2] Jacazio G., Piombo B. - *Meccanica Applicata alle Macchine*, vol. III, Levrotto & Bella, Torino 1994.

[3] Ville Kaajari, *Practical MEMS*, Small gear publishing

[4] Jorge Angeles, *Fundamentals of Robotic Mechanical Systems* - SPRINGER

[5] Appunti del corso
