

COURSE: INDUSTRIAL METROLOGY AND QUALITY MANAGEMENT

Place: Faculty of Engineering (Cadiz)

Duration: 30 hours

Teachers:

- Ing. Juan-Pablo Contreras
- Ing. Carlos-Antonio Guillen
- Ing. Sergio-Jose Davila

Language: English

Contents
Introduction. Global Markets. Technical barriers to trade. Standardization, Accreditation and Metrology.
Introduction to the Industrial Metrology. Length, angular, form and surface measurements. Coordinate measuring systems. Pressure measurement.
Quality in Test and Calibration Laboratories: ISO/IEC 17025.
Quality in Test and Calibration Laboratories: ISO/IEC 17025.
Introduction to Uncertainty of Measurements.
Introduction to Uncertainty of Measurements. Examples.
Introduction to Uncertainty of Measurements. Examples.
Fundamental of Process Management. Standards for Integrated Management Systems: ISO9001, ISO14001; OHSAS18001
Visit to the Industrial Metrology Center of UCA.
Visit to the Faculty of Science of UCA (Puerto Real). Laboratory of Material Testing, Corrosion and Protection (Labcyp).
Presentations by the students of the proposed topics.
Exam