
Non-Destructive Testing (NDT) (3 ECTS)

Professor(s): Dr. Anissa MEZIANE

Location of courses: Talence, UBx and Institute of aeronautical maintenance (Mérignac)

Language: English

Distribution of courses: Lectures: 6h of web classes (1h in front), Tutorials: 8.5h, Lab: 15h

Description:

1. NDT: Definition, objectives, application areas, certifications
2. Principles of different NDT techniques: visual inspection, penetrant testing, magnetoscopy, ultrasonic, Foucault current, x-ray, thermography
3. Particular cases: NDT for composite materials, NDT in microelectronics

Evaluation:

First session

- Final Assignment (1h30) - coef. 0.6
- Lab, coef. 0.3
- Supervised assignment - coef. 0.1

Second session

- Written or oral examination, 1h30, coef. 0.7
- Lab (report of Lab rating), coef. 0.3