

Design Engineering

SCHOOL Polytech Graduate School of Engineering	CAMPUS Belle-Beille	Engineering 4th year SEMESTER Fall (S1)
 > Degree course: Quality, Innovation and Reliability Engineering > Teaching unit: UE 7-3 Quality, Innovation, Reliability methodology > Course language: English > Duration (hours): 28 > ECTS: 2 > Teacher(s): Mohamed Ibrahim and Maxime Kachit 		
 Assessment: Continuous assessment Final exam 		Case study Project

COURSE DESCRIPTION

Reminders of material strength and mechanical tests,

- Finite element methods,
- The stress-resistance method, - Case studies.

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OBJECTIVES

This course will allow students:

- To understand the results of mechanical finite element simulations and perform the reports for design teams,
- To realize the structural design studies, to define the specifications and to consult the suppliers,
- To be initiated to calculation codes and software such as SOLIDWORKS.

PREREQUISITES

Resistance of materials

SELECTIVE BIBLIOGRAPHY