Risk analysis methods

SCHOOL
Polytech Graduate School of Engineering

CAMPUS
Belle-Beille

LEVEL
Engineering 4th year

OPEN TO EXCHANGE STUDENTS
Yes

SEMESTER
Fall (S1)

- **Degree course:** Quality, Innovation and Reliability Engineering
- **Teaching unit:** UE 7-3 Quality, Innovation, Reliability methodology
- **Course language:** English
- **Duration (hours):** 20
- **ECTS:** 2
- **Teacher(s):** Abdératif Charki

Assessment:

- [x] Continuous assessment
- [ ] Final exam

Teaching methods:

[x] Lecture course	4	hours	[ ] Case study
[x] Tutorial course	16	hours	[ ] Project
[ ] Practical work		hours	

COURSE DESCRİPTİON

Introduction to risks (product risks, risks of use, ...)
- Presentation of the different methodologies: APR, FMEA (Product, Process, Machine), FTA. - Industrial applications

OBJECTİVES

Students will master practical risk assessment methods

PREREQUİSİTES

Preliminary Risk Analysis (PRA), FMECA (Analysis of Failure Modes, Effects and Criticality), FTA (Failure Tree)

SELECTİVE BİBLİOGRAPHY

Méthodes d'analyse des risques, REF : 42155210, technique de l'ingénieur