Reliability and Lifetime Analysis

ECTS
3 crédits

Hourly volume
36h

Introducing

Location(s)

📍 Toulouse

Objectives

At the end of this module, the student will be able to drive the following process and to explain the obtained conclusions

-Using the Reliability database in order to estimate the functions of interest
-Analyzing and exploiting the structure of a system to derive its reliability from the characteristics of its components
-Modeling the recursive occurrences of the failures on a system. Modeling the évolution of the system-state with time.
-Modeling the effect of maintenance and its planning according to the observations made on the system (dégradation process in particular)

Necessary prerequisites

-Markov chains and applications (MIC3)
-Inferential Statistics (MIC3)
-Statistical Modelling (GMM4)

Practical info

Non-contractual information