

TS222 : Random signal

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SEE8-C Digital Signal processing

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ECTS credits :

2.00

Evaluation :

S1: CC x1; S2: ET(30m,O,sd,sc) x1

Number of hours :

Combined lecture and tutorial classes :

16.00

Teacher(s) :

BERTHOUMIEU Yannick

Title :

Random signal

Abstract :

The purpose of this course is to introduce the basic concepts of probability and random variables or signal to the students. Given the various exercises that are proposed, this course is a good opportunity for them to develop their reasoning skills. In addition, it is the first step in the discovery of random process and information theory, that both play a key role in the field of Telecommunications and signal processing for instance.

Plan :

- * Combinatorial Probability
- * Conditional and joint probabilities
 - Event independence
 - Bayes
- * Random Variable
- * Random Signal