

Simulation of discrete event systems

SCHOOL Polytech Graduate School of Engineering	CAMPUS Belle-Beille	ANGE STUDENTS	Engineering 5th year SEMESTER Fall (S1)
 > Degree course: Graduate School of Engineering - Automation and Computer Engineering > Teaching unit: UE 9.4.1 Voie d'approfondissement systèmes cyber physiques > Course language: English > Duration (hours): 24 > ECTS: 2 > Teacher(s): Jean-Louis Boimond 			
 Assessment: Continuous assessment Final exam 	Teaching methods:Lecture courseTutorial coursePractical work	hours 16 hours 8 hours	Case study Project

COURSE DESCRIPTION

Introduction to the simulation,

- - Simulation of production systems,
- - Reminders on probability and statistics,
- - Data on system input,
- - Verification and validation of models,
- - Interpretation of results,
- - Basic notions on Petri nets,
- - The Siman-Arena simulation language. -

OBJECTIVES

Study on the discrete event systems simulation.

PREREQUISITES

Notions on production systems.

SELECTIVE BIBLIOGRAPHY

Introduction to Simulation Using SIMAN. Second Edition, C. Dennis Pegden, R.E. Shannon, R.P. Sadowski, Ed. Mc Graw-Hill. - Probabilités et statistiques. 3ème édition, A. Ruegg, Presses Polytechniques Romandes