

Digitization of Complex Systems Engineering

Academic Year: (2021 / 2022)

Review date: 30-08-2021

Department assigned to the subject: Computer Science and Engineering Department

Coordinating teacher: LLORENS MORILLO, JUAN BAUTISTA

Type: Compulsory ECTS Credits : 3.0

Year : 1 Semester : 1

DESCRIPTION OF CONTENTS: PROGRAMME

- ¿ Digitalization of the lifecycle: processes and methods
- ¿ Automation of the engineering process: technology and tools
- ¿ Toolchain collaboration
- ¿ Multicultural aspects of the digital engineering process

% end-of-term-examination:	0
% of continuous assessment (assignments, laboratory, practicals...):	100

BASIC BIBLIOGRAPHY

- Cathleen Shamieh Systems Engineering for dummies, Wiley IBM limited edition, 2011
- INCOSE INCOSE Systems Engineering Handbook, Wiley, 2015
- NASA NASA Systems Engineering Handbook, NASA, 2007

BASIC ELECTRONIC RESOURCES

- Asociacion Española de Ingeniería de Sistemas . INCOSE Chapter in Spain: <http://www.aeis-incose.org>
- INCOSE . INCOSE Web site: <http://www.incose.org>