

Course summary

SO 2019_2020_Q1

1.1

Outline

- Goals
- Competences
- Methodology
- Course scheduling
- Evaluation

- <http://docencia.ac.upc.edu/FIB/grau/SO/index.html>

1.2

Goals

- O.S. Functions (system calls): To know and to be able to use basic S.O. Functionality (for Linux based systems)
 - Creation of new “programs” (processes)
 - Associating an executable with a running program
 - Changing the amount of memory used by a “program”
 - Send/Receive data to/from devices
 - ...
- O.S. Main services: To know basic services offered by the O.S. (Linux based systems).
 - Main data structures
 - Main algorithms

1.3

Competences

- Techniques
 - Look at the official web page to have the details ☺
 - Resume: To know how to use, evaluate and design an O.S. and applications running on top of them
- Transversals
 - To have an appropriate attitude towards work: To be punctual, don't disturb, to deliver homework in time, etc

1.4

Methodology

- Theoretical sessions
 - 2h/week (50%)
 - Concepts and examples
 - We will use slides (ppoint) and blackboard
- Laboratory (**Mandatory**)
 - 2h/week (50%)
 - **New: Work done in groups of 2 students**
 - ▶ Previous homework → delivered through the RACO
 - ▶ Work done during the session → delivered through the RACO
 - Atenea online tests (**individual**): Evaluation of last session concepts →
 - 10 sessions
 - It is mandatory to assist, at least, to the 80% of the sessions
- 3 exercises sessions: see the course scheduling

1.5

Organization

- Look at the web page.
 - <http://docencia.ac.upc.edu/FIB/grau/SO>
 - All the documentation of the course is available here
- Racó FIB
 - We publish here specific information related to the current course: notifications, exams, practices, etc
 - Laboratory sessions delivered through the web

1.6

Evaluation

C. techniques=MAX(cont. Evaluation, non continuous evaluation)

■ **Mark Continuous evaluation: 50% THEORY + 50% PRACTICE**

- 50% THEORY (Partials exams in special hours)
 - Partial exam: introduction + processes mng. (40%)
 - Partial exam: introduction + processes mng.+ memory mng. + File system (60%)
- 50% LABORATORY (Partials exams in special hours)
 - CONTROL_LAB1: Processes (45%)
 - CONTROL_LAB2: Memory mng. + File system(45%)
 - 10%: Atenea test

■ **Marks for non continuous evaluation: 50% TEORY + 50% LABORATORY**

- **Only available for those students with the non continuous evaluation suspended**

- 50% TEORY
- 50% LABORATORY