

SO2

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2022-2023 QP

Goals

- Get a good OS Internal understanding
 - Program low level O.S. code (C+Asm)
 - Develop the basic system components
 - Add functionalities to an existing O.S
- Relation with previous courses?
 - Continuation from SO (black box view)

Course Description

- 10h/week of work
 - Lecture classes (2h)
 - Lab classes (2h)
 - On your own (6h)
- Teams of two students

Laboratories

- Create a functional operating system
 - Mechanisms to enter system
 - Basic Process mgmt
 - Additional features
 - Threads and Synchronization
 - I/O mgmt and dynamic memory
 - ...
- 2h classes with teacher support
- 6h after classes on your own (without teacher)

Grading

- $\text{Grade} = (\text{CT} + \text{CTr}) * (10/11)$
- Technical Competence (CT)
 - Continuous assesment (CTc)
 - Final evaluation (CTf)
 - Only for those students that fails the continuous assessment
 - Max (CTc, CTf)
- Generic Competences (CTr)
 - Written essay
 - Maximum of 1 point

Technical Competence (CTc)

- 40% Theory (T)
 - 2 mid term exams (T1, T2)
 - 50% T1 + 50% T2
- 60% Laboratory (L)
 - A mid term exam (L1)
 - Continuous assessment during lab (S)
 - Your extension Project (P)
 - Do not wait till the DEADLINEs
 - 30% L1 + 20% S + 50% P

Technical Competence (CTc): S

- 2 Deliveries
 - 50% E1: Status
 - Code
 - 50% E2: Final
 - Code

Technical Competence (CTc): P

- Choose your extension
- Milestones
 - Extension divided in milestones
 - A milestone implies code works, functional and tested
- Every step must be reviewed and approved to start the next one

CTc Summary

E1	6%
E2	6%
T1	20%
L1	18%
Milestones	30%
T2	20%
CTc	100%

Technical Competence (CTf)

- 50% Theory (T)
- 50% Laboratory (L)
- 20/06/2022 from 15:00 to 20:30
(provisional)

SO2 Schedule

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05/09/22						09/09/22		
12/09/22						16/09/22	Festius/No lectius	
19/09/22						23/09/22	Canvi dia lectiu	
26/09/22					E1	30/09/22	Entregues	
03/10/22						07/10/22	Examens	
10/10/22						14/10/22		
17/10/22						21/10/22		
24/10/22						28/10/22		
31/10/22					E2	04/11/22		
07/11/22	L1		T1			11/11/22		
14/11/22						18/11/22		
21/11/22						25/11/22		
28/11/22						02/12/22		
05/12/22						09/12/22		
12/12/22						16/12/22		
19/12/22			T2		LAST	23/12/22		
16/01/23		F				20/01/23		

Material

- Course web page:
 - <http://studies.ac.upc.edu/FIB/grau/...>
- [Bibliography](#)
- Other Resources:
 - Racó
 - Forums
 - Notes
 - Grading
 - Your tutor is your friend
- Don't forget to choose a representative student