

SO2

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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 assesment
 - 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)
- 18/01/2021 from 15:00 to 20:30
(provisional)

SO2 Schedule

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13/09/21						17/09/21		
20/09/21						24/09/21	Festius/No lectius	
27/09/21						01/10/21	Canvi dia lectiu	
04/10/21					E1	08/10/21	Entregues	
11/10/21						15/10/21	Examens	
18/10/21						22/10/21		
25/10/21						29/10/21		
01/11/21					T1+E2	05/11/21		
08/11/21	L1					12/11/21		
15/11/21						19/11/21		
22/11/21						26/11/21		
29/11/21						03/12/21		
06/12/21						10/12/21		
13/12/21					T2	17/12/21		
20/12/21	LAST					24/12/21		
17/01/22		F				21/01/22		

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