

## **SCHEDULE M01: INTRODUCTION TO OPERATING SYSTEMS**

- TEACHERS:**
- TU1: J. Binefa and D. Collados(DAW)**  
**D. Collados(ASIX)**  
Operating system: Linux  
Language: English/Catalan
  - TU2: J. Latorre (ASIX) / H. Lòpez(DAW)**  
Operating system: Microsoft Windows  
Language: Catalan
  - TU3: J. Latorre (ASIX) / H. Lòpez(DAW) TU3.1**  
Operating system: Microsoft Windows  
Language: Catalan  
**J. Binefa(DAW) and /D. Collados(DAW) T3.2**  
**D. Collados(ASIX) T3.2**  
Operating system: Linux  
Language: English/Catalan
  - TU4: D. Collados (2nd academic year) (ASIX)**  
Operating system: Linux / Windows  
Language: Catalan

## CONTENTS:

TU1	84 h	Installing, configuring and exploiting a computer system
PR1	6	Virtual Machines. VirtualBox/VMWARE. Installing Debian Linux
PR2	6	Operating system overview
PR3	6	Command-line utilities
PR4	6	Network configuration
PR5	6	Partitions and filesystems. GParted.
PR6	6	Permissions and ownership of folders and files
PR7	6	Setuid bit. ACL (Access Control List)
PR8	6	Managing processes
PR9	6	Managing services
PR10	6	Configuring groups and users
PR11	6	Working with file systems
PR12	6	Logical volume manager
PR13	6	GRUB: The Linux Boot Loader
EX	6	Assessment activities and exams
TU2	84 h	Managing Information and resources on a network
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TU3	30h	Installing specific purpose software
TU3.1	15h	Proprietary operating systems (Francisco Arjona)
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TU3.2	15h	Free operating systems (Jordi Binefa/Daniel Collados)
PR1	5	Building and installing .rpm and .deb packages
PR2	10	Using bash scripts to automate installation of application
E2	2	Assessment activities and exams
TU4	33h	Security, performance and resources (2n academic year)
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## SUBJECT ASSESSMENT:

$$Q_{MP01} = 0,364 Q_{UF1} + 0,364 Q_{UF2} + 0,130 Q_{UF3} + 0,142 Q_{UF4} \text{ (ASIX)}$$

$$Q_{MP01} = 0,424 Q_{UF1} + 0,424 Q_{UF2} + 0,152 Q_{UF3} \text{ (DAW/DAM)}$$

- This subject will be done in two years.
- To pass this subject you should pass all training units.
- In June there are extraordinary exams for those training units failed.
- *Within the contents of training units the following attitudes will be assessed:*
  - *Punctuality and attendance*
  - *Class participation*
  - *Order and work methodology*
  - *Speaking and writing*
  - Teamwork
  - *Respect for the rules*
- The training unit will not be assessed on ordinary exams if the student exceeds 20% of absences and unpunctuality.
- The criteria of this college about absences and unpunctuality is given in pages 7 to 9 of the student information guide.
- Students have two opportunities to pass a training unit.
- It is mandatory to do all practicals and exercises to pass a training unit.
- In the extraordinary exams in June should be delivered the mandatory practicals made during the academic year.

$$Q_{UF1} = 0.5 * \text{Practical Exercises} + 0.5 * \text{Exams}$$

- This subject will be done during the first academic year.
- It is mandatory to do all practicals and exercises to pass this training unit.

$$Q_{UF3} = 0.45 * \text{Practical Exercises} + 0.55 * \text{Exams}$$

- This subject will be done during the first academic year.
- It is mandatory to do all practicals and exercises to pass this training unit.



Academic Year 17-18	CFGS ASIX/DAW
M01: Introduction to operating systems	

**TIMETABLE:**

TRAINING UNIT	LENGTH	STARTING DATE	ENDING DATE	TERM		
				1st	2nd	3rd
TU1	84H	18/09/17	27/04/18	X	X	X
TU2	84H	18/09/17	27/04/18	X	X	X
TU3	30H	30/04/18	01/06/18			X
TU4	30H	----	----	--	---	---