

Semester 1

Teaching Unit	Subjects	Credit	Coefficient	Weekly hours			Semester Hours (15 weeks)	Complementary consultation work (15 weeks)	Evaluation mode	
	Title			Course	Tutorials	LAB			Continuous assessment	Exam
Fundamental Unit Code : UEF 1.1.1 Credits : 10 Coefficients : 5	Advanced Digital Communications	6	3	3h00	1h30		67h30	82h30	40%	60%
	IP Routing	4	2	1h30	1h30		45h00	55h00	40%	60%
Fundamental Unit Code : UEF 1.1.2 Credits: 8 Coefficients : 4	Propagation and Antennas	4	2	1h30	1h30		45h00	55h00	40%	60%
	Advanced Signal Processing	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological Unit Code : UEM 1.1 Credits : 9 Coefficients : 5	Advanced Digital Communications Lab	2	1			1h30	22h30	27h30	100%	
	IP Routing Lab	2	1			1h30	22h30	27h30	100%	
	Advanced Signal Processing Lab	2	1			1h30	22h30	27h30	100%	
	Object-Oriented Programming in Python	3	2	1h30		1h00	37h30	37h30	40%	60%
Discovery Unit Code : UED 1.1 Credits : 2 Coefficients : 2	Elective course	1	1	1h30			22h30	02h30		100%
	Elective course	1	1	1h30			22h30	02h30		100%
Transversal Unit Code : UET 1.1 Credits : 1 Coefficients : 1	Technical English and Terminolog	1	1	1h30			22h30	02h30		100%
Total Semester 1		30	17	13h30	6h00	5h30	375h00	375h00		

Semester 2

Teaching Unit	Subjects	Credit	Coefficient	Weekly hours			Semester Hours (15 weeks)	Complementary consultation work (15 weeks))	Evaluation mode	
	Title			Course	Tutorials	LAB			Continuous assessment	Exam
Fundamental Unit Code : UEF 1.2.1 Credits : 10 Coefficients : 5	Network Services Administration	6	3	3h00	1h30		67h30	82h30	40%	60%
	DSP and FPGA	4	2	1h30	1h30		45h00	55h00	40%	60%
Fundamental Unit Code : UEF 1.2.2 Credits : 8 Coefficients : 4	Transmission Channels and Optical Components	4	2	1h30	1h30		45h00	55h00	40%	60%
	Coding and Compression	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological Unit Code : UEM 1.2 Credits : 9 Coefficients : 5	Network Services Administration Lab	2	1			1h30	22h30	27h30	100%	
	DSP and FPGA Lab	2	1			1h30	22h30	27h30	100%	
	Coding and Compression Lab	2	1			1h30	22h30	27h30	100%	
	High-Speed Networks	3	2	1h30		1h00	37h30	37h30	40%	60%
Discovery Unit Code : UED 1.2 Credits : 2 Coefficients : 2	Elective course	1	1	1h30			22h30	02h30		100%
	Elective course	1	1	1h30			22h30	02h30		100%
Transversal Unit Code : UET 1.2 Credits : 1 Coefficients : 1	Compliance with Standards and Ethical Rules	1	1	1h30			22h30	02h30		100%
Total Semester 2		30	17	13h30	6h00	5h30	375h00	375h00		

Semester 3

Teaching Unit	Subjects	Credit	Coefficient	Weekly hours			Semester Hours (15 weeks)	Complementary consultation work (15 weeks)	Evaluation mode	
	Title			Course	Tutorials	LAB			Continuous assessment	Exam
Fundamental Unit Code : UEF 2.1.1 Credits : 10 Coefficients : 5	Wireless and Mobile Networks	6	3	3h00	1h30		67h30	82h30	40%	60%
	Cryptography and Network Security	4	2	1h30	1h30		45h00	55h00	40%	60%
Fundamental Unit Code : UEF 2.1.2 Credits : 8 Coefficients : 4	Video and Audio over IP	4	2	1h30	1h30		45h00	55h00	40%	60%
	Web Technologies	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological Unit Code : UEM 2.1 Credits : 9 Coefficients : 5	Wireless and Mobile Networks Lab	2	1			1h30	22h30	27h30	100%	
	Cryptography and Network SecurityLab	2	1			1h30	22h30	27h30	100%	
	Web Technologies and VoIP Lab	2	1			1h30	22h30	27h30	100%	
	Artificial Intelligence	3	2	1h30		1h00	37h30	37h30	40%	60%
Discovery Unit Code : UED2.1 Credits : 2 Coefficients : 2	Elective course	1	1	1h30			22h30	02h30		100%
	Elective course	1	1	1h30			22h30	02h30		100%
Transversal Unit Code : UET2.1 Credits : 1 Coefficients : 1	Documentary Research and Thesis Design	1	1	1h30			22h30	02h30		100%
Total Semester 3		30	17	13h30	6h00	5h30	375h00	375h00		

Elective Course Baskets – Discovery Modules (Semesters 1, 2, and 3):

1. Linux Systems
2. Standards and Protocols
3. Image and Video Data Representation
4. Satellite Networks
5. Internet of Things (IoT)
6. Fieldbus Networks
7. Operator Networks
8. Wireless Sensor Networks
9. Electromagnetic Compatibility
10. Embedded Systems and Telecommunications
11. Radar Techniques
12. Space Telecommunications
13. Radionavigation Systems
14. Emerging Fields in Optical Telecommunications
15. Installation and Maintenance of Optical Fibers
16. Radio Engineering
17. VSAT Technology
18. Acoustic Microwave Propagation in Piezoelectric Solids
19. RF and Microwave Measurements
20. Portable Micro-Antennas
21. Emerging Telecommunication Systems
22. Theoretical Physics of Optical and Microwave Analogies
23. Biological Effects of Electromagnetic Waves (Bioelectromagnetism)
24. CAD for Telecom Circuits
25. Characterization of RF Devices

Semester 4

Internship in a company or research lab, validated by a thesis and a defense.

Activity	Hours	Coeff	Credits
Personal Work	550	09	18
Company/Research Internship	100	04	06
Seminars	50	02	03
Other (Supervision)	50	02	03
Total Semester 4	750	17	30

Evaluation of the Master's Final Project

- Scientific Value (Jury Assessment) /6
- Thesis Writing (Jury Assessment) /4
- Presentation and Q&A (Jury Assessment) /4
- Supervisor's Evaluation /3
- Internship Report Presentation (Jury Assessment) /3