



People's Democratic Republic of Algeria
Ministry of Higher Education and Scientific Research
Sétif 1 University – Ferhat Abbas

Faculty of Technology
Department of Electronics

Training Canvas

Master's Degree in Networks and Telecommunications

Semester 1

Teaching unit	Subjects	Credits	Coefficient	Weekly hourly volume			Semester Hourly Volume (15 weeks)	Supplementary Work in Consultation (15 weeks)	Evaluation method	
	Titled			Course	Tutorials	PW			Continuous Evaluation	Exam
TU Fundamental Code : TUF 1.1.1 Credits: 10 Coefficient: 5	Advanced Digital Communications	6	3	3h00	1h30		67h30	82h30	40%	60%
	IP Routing	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Fundamental Code : TUF 1.1.2 Credits: 8 Coefficient: 4	Propagation and Antennas	4	2	1h30	1h30		45h00	55h00	40%	60%
	Programmable FPGA circuits	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Methodological Code : TUM 1.1 Credits: 9 Coefficients : 5	PW Advanced Digital Communications	2	1			1h30	22h30	27h30	100%	
	PW IP Routing	2	1			1h30	22h30	27h30	100%	
	PW Programmable FPGA circuits	2	1			1h30	22h30	27h30	100%	
	Object-oriented programming in Python	3	2	1h30		1h00	37h30	37h30	40%	60%
TU Discovery Code : TUD 1.1 Credits: 2 Coefficients : 2	Linux system	1	1	1h30			22h30	02h30		100%
	Standards and protocols	1	1	1h30			22h30	02h30		100%
TU Transversal Code : UET 1.1 Credits: 1 Coefficients : 1	Technical English and Terminology	1	1	1h30			22h30	02h30		100%
Total semester 1		30	17	13h30	6h00	5h30	375h00	375h00		

Semester 2

Teaching unit	Subjects	Credits	Coefficient	Weekly hourly volume			Semester Hourly Volume (15 weeks)	Supplementary Work in Consultation (15 weeks)	Evaluation method	
	Titled			Course	Tutorials	PW			Continuous Evaluation	Exam
TU Fundamental Code : TUF 1.1.1 Credits: 10 Coefficient: 5	Network services administration	6	3	3h00	1h30		67h30	82h30	40%	60%
	DSP and FPGA	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Fundamental Code : TUF 1.1.2 Credits: 8 Coefficient: 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%
TU Methodological Code : TUM 1.1 Credits: 9 Coefficients : 5	PW Network services administration	2	1			1h30	22h30	27h30	100%	
	PW DSP and FPGA	2	1			1h30	22h30	27h30	100%	
	PW Coding and Compression	2	1			1h30	22h30	27h30	100%	
	High-speed networks	3	2	1h30		1h00	37h30	37h30	40%	60%
TU Discovery Code : TUD 1.1 Credits: 2 Coefficients : 2	Representation of Data Images and Videos	1	1	1h30			22h30	02h30		100%
	Satellite networks	1	1	1h30			22h30	02h30		100%
TU Transversal Code : UET 1.1 Credits: 1 Coefficients : 1	Respect for standards and rules of ethics and integrity	1	1	1h30			22h30	02h30		100%
Total semester 2		30	17	13h30	6h00	5h30	375h00	375h00		

Semester 3

Teaching unit	Subjects	Credits	Coefficient	Weekly hourly volume			Semester Hourly Volume (15 weeks)	Supplementary Work in Consultation (15 weeks)	Evaluation method	
	Titled			Course	Tutorials	PW			Continuous Evaluation	Exam
TU Fundamental Code : TUF 1.1.1 Credits: 10 Coefficient: 5	Wireless networks and mobile networks	6	3	3h00	1h30		67h30	82h30	40%	60%
	Cryptography and Network Security	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Fundamental Code : TUF 1.1.2 Credits: 8 Coefficient: 4	Video and Audio over IP	4	2	1h30	1h30		45h00	55h00	40%	60%
	Web technologies	4	2	1h30	1h30		45h00	55h00	40%	60%
TU Methodological Code : TUM 1.1 Credits: 9 Coefficients : 5	PW Wireless networks and mobile networks	2	1			1h30	22h30	27h30	100%	
	PW Cryptography and Network Security	2	1			1h30	22h30	27h30	100%	
	PW Web technologies	2	1			1h30	22h30	27h30	100%	
	Artificial intelligence	3	2	1h30		1h00	37h30	37h30	40%	60%
TU Discovery Code : TUD 1.1 Credits: 2 Coefficients : 2	Internet of Things	1	1	1h30			22h30	02h30		100%
	Field networks	1	1	1h30			22h30	02h30		100%
TU Transversal Code : UET 1.1 Credits: 1 Coefficients : 1	Documentary research and dissertation conception	1	1	1h30			22h30	02h30		100%
Total semester 3		30	17	13h30	6h00	5h30	375h00	375h00		

Semester 4

Internship in a company evaluated through a thesis and a defense.

	SHV	Coeff	Credits
Personal Work	550	09	18
Internship in a company	100	04	06
Seminars	50	02	03
Other (Supervision)	50	02	03
Total Semester 4	750	17	30

Evaluation of the End of Master's Cycle Project

- Scientific value (Jury's assessment) /6
- Writing the Dissertation (Jury Assessment) /4
- Presentation and response to questions (Jury evaluation) /4
- Supervisor's Evaluation /3
- Presentation of the internship report (Jury's evaluation) /3