



الجمهورية الجزائرية الديمقراطية الشعبية
People's Democratic Republic
of Algeria
وزارة التعليم العالي والبحث العلمي
Ministry of Higher Education and
Scientific Research

University of
Jijel



TRAINING OFFER

L.M.D.

Academic Bachelor's Degree

National Program
2018– 2019

Institution	Faculty / Institute	Department

Field	Stream	Specialization
<i>Science and Technology</i>	<i>Public Works</i>	<i>Public Works</i>



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عرض تكوين ل. م. د ليسانس أكاديمية

برنامج وطني
2019 – 2018

القسم	الكلية/ المعهد	المؤسسة

التخصص	الفرع	الميدان
اشغال عمومية	اشغال عمومية	علوم وتكنولوجيا

Semester Teaching Organization Sheets
for the Specialization

Semester 1

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hourly Volume			Semester Hourly Volume (15 Weeks)	Complementary Work in Consultation (15 weeks)	Evaluation Method	
	Title			Lecture	Tutorial sessions	Practical work			Continuous Assessment	Exam
Core Teaching Unit Code: UEF 1.1 Credits: 18 Coefficients: 9	Mathematics 1	6	3	3h00	1h30		67h30	82h30	40%	60%
	Physics 1	6	3	3h00	1h30		67h30	82h30	40%	60%
	Structure of Matter	6	3	3h00	1h30		67h30	82h30	40%	60%
Methodological Teaching Unit Code: UEM 1.1 Credits: 9 Coefficients: 5	Practical Physics 1	2	1			1h30	22h30	27h30	100%	
	Practical Chemistry 1	2	1			1h30	22h30	27h30	100%	
	Computer Science 1	4	2	1h30		1h30	45h00	55h00	40%	60%
	Writing Methodology	1	1	1h00			15h00	10h00		100%
Discovery Teaching Unit Code: UED 1.1 Credits: 1 Coefficients: 1	Careers in Science and Technology 1	1	1	1h30			22h30	02h30		100%
Transversal Teaching Unit Code: UET 1.1 Credits: 2 Coefficients: 2	Foreign Language 1 (French and/or English)	2	2	3h00			45h00	05h00		100 %
Total Semester 1		30	17	16h00	4h30	4h30	375h00	375h00		

Semester 2

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hourly Volume			Semester Hourly Volume (15 Weeks)	Complementary Work in Consultation (15 weeks)	Evaluation Method	
	Title			Lecture	Tutorial sessions	Practical work			Continuous Assessment	Exam
Core Teaching Unit Code: UEF 1.2 Credits: 18 Coefficients: 9	Mathematics 2	6	3	3h00	1h30		67h30	82h30	40%	60%
	Physics 2	6	3	3h00	1h30		67h30	82h30	40%	60%
	Thermodynamics	6	3	3h00	1h30		67h30	82h30	40%	60%
Methodological Teaching Unit Code: UEM 1.2 Credits: 9 Coefficients: 5	Practical Physics 2	2	1			1h30	22h30	27h30	100%	
	Practical Chemistry 2	2	1			1h30	22h30	27h30	100%	
	Computer Science 2	4	2	1h30		1h30	45h00	55h00	40%	60%
	Presentation Methodology	1	1	1h00			15h00	10h00		100%
Discovery Teaching Unit Code: UED 1.2 Credits: 1 Coefficients: 1	Careers in Science and Technology 2	1	1	1h30			22h30	02h30		100%
Transversal Teaching Unit Code : UET 1.2 Credits: 2 Coefficients: 2	Foreign Language 2 (French and/or English)	2	2	3h00			45h00	05h00		100 %
Total Semester 2		30	17	16h00	4h30	4h30	375h00	375h00		

Semester 3

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hourly Volume			Semester Hourly Volume (15 Weeks)	Complementary Work in Consultation (15 weeks)	Evaluation Method	
	Title			Lecture	Tutorial sessions	Practical work			Continuous Assessment	Exam
Core Teaching Unit Code: UEF 2.1.1 Credits: 10 Coefficients: 5	Mathematics 3	6	3	3h00	1h30		67h30	82h30	40%	60%
	Waves and Vibrations	4	2	1h30	1h30		45h00	55h00	40%	60%
Core Teaching Unit Code: UEF 2.1.2 Credits: 8 Coefficients: 4	Fluid Mechanics	4	2	1h30	1h30		45h00	55h00	40%	60%
	Rational Mechanics	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological Teaching Unit Code: UEM 2.1 Credits: 9 Coefficients: 5	Probability and Statistics	4	2	1h30	1h30		45h00	55h00	40%	60%
	Computer Science 3	2	1			1h30	22h30	27h30	100%	
	Technical Drawing	2	1			1h30	22h30	27h30	100%	
	Practical Waves and Vibrations	1	1			1h00	15h00	10h00	100%	
Discovery Teaching Unit Code: UED 2.1 Credits: 2 Coefficients: 2	Basic Technology	1	1	1h30			22h30	02h30		100%
	Metrology	1	1	1h30			22h30	02h30		100%
Transversal Teaching Unit Code: UET 2.1 Credits: 1 Coefficients: 1	Technical English	1	1	1h30			22h30	02h30		100%
Total Semester 3		30	17	13h30	7h30	4h00	375h00	375h00		

Semester 4

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hourly Volume			Semester Hourly Volume (15 Weeks)	Complementary Work in Consultation (15 weeks)	Evaluation Method	
	Title			Lecture	Tutorial sessions	Practical work			Continuous Assessment	Exam
Core Teaching Unit Code: UEF 2.2.1 Credits: 6 Coefficients: 3	Soil Mechanics	4	2	1h30	1h30		45h00	55h00	40%	60%
	Construction Materials	2	1	1h30			22h30	27h30		100%
Core Teaching Unit Code: UEF 2.2.2 Credits: 8 Coefficients: 4	Mathematics 4	4	2	1h30	1h30		45h00	55h00	40%	60%
	Numerical Methods	4	2	1h30	1h30		45h00	55h00	40%	60%
Core Teaching Unit Code: UEF 2.2.3 Credits: 4 Coefficients: 2	Strength of Materials	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological Teaching Unit Code: UEM 2.2 Credits: 9 Coefficients: 5	Practical Soil Mechanics	2	1			1h30	22h30	27h30	100%	
	Practical Construction Materials	2	1			1h30	22h30	27h30	100%	
	Computer-Aided Design	2	1			1h30	22h30	27h30	100%	
	Practical Numerical Methods	2	1			1h30	22h30	27h30	100%	
	Practical MDF and SM	1	1			1h00	15h00	10h00	100%	
Discovery Teaching Unit Code: UED 2.2 Credits: 2 Coefficients: 2	Geology	1	1	1h30			22h30	02h30		100%
	Topography	1	1	1h30			22h30	02h30		100%
Transversal Teaching Unit Code: UET 2.2 Credits: 1 Coefficients: 1	Expression and Communication Techniques	1	1	1h30			22h30	02h30		100%
Total Semester 4		30	17	12h00	6h00	7h00	375h00	375h00		

Semester 5

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hourly Volume			Semester Hourly Volume (15 Weeks)	Complementary Work in Consultation (15 weeks)	Evaluation Method	
	Title			Lecture	Tutorial sessions	Practical work			Continuous Assessment	Exam
Core Teaching Unit Code: UEF 3.1.1 Credits: 12 Coefficients: 6	Beams and Trusses	4	2	1h30	1h30		45h00	55h00	40%	60%
	Reinforced Concrete	4	2	1h30	1h30		45h00	55h00	40%	60%
	Steel Structures	4	2	1h30	1h30		45h00	55h00	40%	60%
Core Teaching Unit Code: UEF 3.1.2 Credits: 6 Coefficients: 3	Roads 1	4	2	1h30	1h30		45h00	55h00	40%	60%
	Road Materials	2	1	1h30			22h30	27h30		100%
Methodological Teaching Unit Code: UEM 3.1 Credits: 9 Coefficients: 5	Applied Technical Drawing	3	2			2h30	37h30	37h30	100%	
	Road Geotechnics	2	1			1h30	22h30	27h30	100%	
	Applied Topography	4	2	1h30		1h30	45h00	55h00	40%	60%
Discovery Teaching Unit Code: UED 3.1 Credits: 2 Coefficients: 2	Railway Infrastructure	1	1	1h30			22h30	02h30		100%
	Underground Infrastructure	1	1	1h30			22h30	02h30		100%
Transversal Teaching Unit Code: UET 3.1 Credits: 1 Coefficients: 1	Public Works Machinery	1	1	1h30			22h30	02h30		100%
Total Semester 5		30	17	13h30	6h00	5h30	375h00	375h00		

Semester 6

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hourly Volume			Semester Hourly Volume (15 Weeks)	Complementary Work in Consultation (15 weeks)	Evaluation Method	
	Title			Lecture	Tutorial sessions	Practical work			Continuous Assessment	Exam
Core Teaching Unit Code: UEF 3.2.1 Credits: 10 Coefficients: 5	Reinforced and Prestressed Concrete	4	2	1h30	1h30		45h00	55h00	40%	60%
	Bridges	6	3	3h00	1h30		67h30	82h30	40%	60%
Core Teaching Unit Code: UEF 3.2.2 Credits: 8 Coefficients: 4	Foundations and Earthworks	4	2	1h30	1h30		45h00	55h00	40%	60%
	Roads 2	4	2	1h30	1h30		45h00	55h00	40%	60%
Methodological Teaching Unit Code: UEM 3.2 Credits: 9 Coefficients: 5	End-of-Cycle Project	4	2			3h00	45h00	55h00	100%	
	Practical Road Materials	3	2			2h30	37h30	37h30	100%	
	Geographic Information Systems	2	1	1h30			22h30	22h30		100%
Discovery Teaching Unit Code: UED 3.2 Credits: 2 Coefficients: 2	Introduction to Airport Infrastructure	1	1	1h30			22h30	02h30		100%
	Applied Hydraulics	1	1	1h30			22h30	02h30		100%
Transversal Teaching Unit Code: UET 3.2 Credits: 1 Coefficients: 1	Professional Project and Business Management	1	1	1h30			22h30	02h30		100%
Total Semester 6		30	17	13h30	6h00	5h30	375h00	375h00		

The evaluation methods presented in these tables are for guidance only; the training team of the institution may propose different weighting.

