

**Course program for the common  
base of license of the field “Earth and Universe Sciences” “Geology” sector**

**Semester 1**

Teaching Unit	Course title	Credits	Coefficients	Hourly weekly Volume			HSV (15 weeks)	Other*	Evaluation Mode	
				Course	TD	Lab			CC*	Exam
Fundamental TU Code : FTU 111 Credits : 8 Coefficients : 4	Geology-1	8	4	3h00	-	3h00	90h00	67h30	40%	60%
Fundamental TU Code : FTU 112 Credits : 11 Coefficients : 6	Mathematics-1	4	2	1h30	1h30	-	45h00	45h00	40%	60%
	Physics-1	3	2	1h30	1h30	-	45h00	45h00	40%	60%
	Chemistry-1	4	2	1h30	1h30	-	45h00	45h00	40%	60%
Methodological TU Code : MTU 11 Credits : 8 Coefficients : 4	Biology-1	4	2	1h30	-	1h30	45h00	45h00	40%	60%
	Geomorphology	4	2	1h30	-	1h30	45h00	45h00	40%	60%
Transversal TU Code : TTU 11 Credits: 3 Coefficients : 3	IT-1	2	2	1h30	-	1h30	45h00	45H00	40%	60%
	Techniques of expression- 1	1	1	-	1h30	-	22h30	22h30	100%	-
<b>Total Semester 1</b>		<b>30</b>	<b>17</b>	<b>12h00</b>	<b>6h00</b>	<b>7h30</b>	<b>382h30</b>	<b>360h00</b>	<b>-</b>	<b>-</b>

Other\* = Additional work in semi-annual consultation; CC\* = Continuous control.

## Semester 2

Teaching Unit	Course title	Credits	Coefficients	Hourly weekly Volume			HSV (15 weeks)	Other*	Evaluation Mode	
				Course	TD	Lab			CC*	Exam
<b>Fundamental TU</b> Code : FTU 121 Credits : 8 Coefficients : 4	<b>Geology-2</b>	<b>8</b>	<b>4</b>	<b>3h00</b>	<b>-</b>	<b>3h00</b>	<b>90h00</b>	<b>67h30</b>	<b>40%</b>	<b>60%</b>
<b>Fundamental TU</b> Code : FTU 122 Credits : 11 Coefficients : 6	<b>Mathématiques-2</b>	<b>4</b>	<b>2</b>	<b>1h30</b>	<b>1h30</b>	<b>-</b>	<b>45h00</b>	<b>45h00</b>	<b>40%</b>	<b>60%</b>
	<b>Physics-2</b>	<b>3</b>	<b>2</b>	<b>1h30</b>	<b>1h30</b>	<b>-</b>	<b>45h00</b>	<b>45h00</b>	<b>40%</b>	<b>60%</b>
	<b>Chemistry-1</b>	<b>4</b>	<b>2</b>	<b>1h30</b>	<b>1h30</b>	<b>-</b>	<b>45h00</b>	<b>45h00</b>	<b>40%</b>	<b>60%</b>
<b>Methodological TU</b> Code : MTU 12 Credits : 8 Coefficients : 4	<b>Biology-1</b>	<b>4</b>	<b>2</b>	<b>1h30</b>	<b>-</b>	<b>1H30</b>	<b>45h00</b>	<b>45h00</b>	<b>40%</b>	<b>60%</b>
	<b>Introduction to Geological maps</b>	<b>4</b>	<b>2</b>	<b>1h30</b>	<b>-</b>	<b>1H30</b>	<b>45h00</b>	<b>45h00</b>	<b>40%</b>	<b>60%</b>
<b>Transversal TU</b> Code : TTU 12 Credits : 3 Coefficients : 3	<b>IT-2</b>	<b>2</b>	<b>2</b>	<b>1H30</b>	<b>-</b>	<b>1H30</b>	<b>45h00</b>	<b>45h00</b>	<b>40%</b>	<b>60%</b>
	<b>Techniques of expression- 2</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>1h30</b>	<b>-</b>	<b>22h30</b>	<b>22h30</b>	<b>100%</b>	<b>-</b>
<b>Total Semester 2</b>		<b>30</b>	<b>17</b>	<b>12h00</b>	<b>6h00</b>	<b>7h30</b>	<b>382h30</b>	<b>360h30</b>	<b>-</b>	<b>-</b>

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### Semester 3

Teaching Unit	Course		Credits	Coefficient	Hourly weekly Volume			VHS (15 weeks)	Other*	Evaluation Mode	
	Code	Title			Course	TD	Lab			CC*	Exam
Fundamental TU FTU 31 Credits : 12 Coefficients : 6	F311	Crystallography	6	3	1h30	3h		67h30	67h30	40%	60%
	F312	Mineralogy	6	3	1h30		3h00	67h30	67h30	40%	60%
Fundamental TU FTU 32 Credits : 6 Coefficients : 3	F321	Tectonics 1	6	3	1h30		3h 00	67h30	67h30	40%	60%
Methodological TU MTU 31 Credits : 9 Coefficients : 5	M311	Stratigraphy	4	2	1h30	1h30		45h00	45h00	40%	60%
	M312	Paleontology	5	3	1h30		2h30	60h00	60h00	40%	60%
Transversal TU Code : TTU31 Credits : 3 Coefficients : 3	T311	Data base management	2	2	1h30		1h30	45h00	45h00	40%	60%
	T312	English 1	1.	1		1h30		22h30	22h30	100%	
<b>Total semester 3</b>			<b>30</b>	<b>17</b>	<b>9h</b>	<b>4h30</b>	<b>11h30</b>	<b>375h00</b>	<b>375h00</b>		

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**Semester 4**

Teaching Unit	Course		Credits	Coefficient	Hourly weekly Volume			HSV (15 weeks) Code	Other*	Evaluation Mode	
	Code	Title			Course	PW	Lab			CC*	Exam
Fundamental TU Code : FTU41 Credits : 9 Coefficients : 5	F411	Igneous rocks Petrology	5	3	1h30		3h00	67h30	67h30	40%	60%
	F412	Sedimentary rocks Petrology	5	3	1h30		3h00	67h30	67h30	40%	60%
Fundamental TU Code : FTU42 Credits : 10 Coefficients : 6	F421	Tectonics 2	5	3	1h30		3h00	67h30	67h30	40%	60%
	F422	Micropaleontology	5	3	1h30		3h00	67h30	67h30	40%	60%
Methodological TU Code : MTU41 Credits : 9 Coefficients : 5	M411	Geochemistry	4	2	1h30		2h30	60h00	60h00	40%	60%
	M412	Field training	4	2				45h00	45h00	100%	
Discover TU Code : DTU41 Credits : 2 Coefficients : 2	T411	Geophysics	2	2	1h30	1h30		45h00	45h00	40%	60%
<b>Total semester 4</b>			<b>30</b>	<b>18</b>	<b>9h00</b>	<b>1h30</b>	<b>14h30</b>	<b>420h</b>	<b>420h00</b>		

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**L3- Semester 5 :**

Teaching Unit	Course		Credits	Coefficients	Hourly weekly Volume			VHS (15 s)	Others	Evaluation Mode	
	Code	Title			Course	TD	Lab			CC	Exam
<b>Fundamental TU</b> Code : FTU51 Credits : 12 Coefficient : 7	F511	Metamorphic rocks Petrology	5	3	1h30		3h	67h30	67h30	x	x
	F512	Sedimentology	7	4	3h		3h	90h	90h	x	x
<b>Fundamental TU</b> Code : FTU52 Credits : 9 Coefficient : 5	F521	Historical Geology	4	2	3h			45h	45h	x	x
	F522	Regional Geology	5	3	1h30		3h	67h30	67h30	x	x
<b>Methodological TU</b> Code : MTU51 Credits : 8 Coefficient : 4	M531	Geophysics	4	2	1h30	1h30		45h	45h	x	x
	M532	Geostatistics	4	2	1h30	1h30		45h	45h	x	x
<b>Transversal TU</b> Code : TTU51 Credits : 1 Coefficient : 1	T511	English	1	1	1h30			22h30	22h30	x	
<b>Total semester 5</b>			<b>30</b>	<b>17</b>	<b>13h30</b>	<b>3h</b>	<b>9h</b>	<b>382h30</b>	<b>382h30</b>		

## Semester 6 : Fundamental Geology

Teaching Unit	Matières		Credits	Coefficients	Hourly weekly Volume			HSV (15 weeks)	Others	Evaluation Mode	
	Code	Intitulé			Course	TD	Lab			CC	Exam
Fundamental TU Code : FTU61 Credits : 8 Coefficient : 4	F611	Sedimentology	4	2	1h30		1h30	45h	45h	x	x
	F612	Paleontology	4	2	1h30		1h30	45h	45h	x	x
Fundamental TU Code : FTU62 Credits : 8 Coefficient : 4	F621	Microtectonics	4	2	1h30	1h30		45h	45h	x	x
	F622	Petrology/ Geochemistry	4	2	1h30	1h30		45h	45h	x	x
Methodological TU Code : MTU61 Credits :12 Coefficient:6	M611	Geology of Algeria	8	4	3h		3h	90h	90h	x	x
	M612	Stage	4	2			3h	45h	45h	x	
Transversal TU Code : TTU61 Credits :2 Coefficient:2	T611	Ethics and Deontology	1	1	1h30			22h30	22h30		x
	T612	Project management	1	1	1h30			22h30	22h30		x
<b>Total semester 6</b>			<b>30</b>	<b>16</b>	<b>12h00</b>	<b>3h</b>	<b>9h</b>	<b>360h</b>	<b>360h</b>		