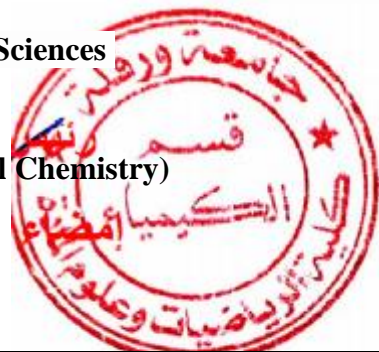




TIME Day	08h00 – 09h30	09h40 – 11h10	11h20 – 12h50	13h50 – 15h20	15h30– 17h00
Saturday					
Sunday	Advanced chemical kinetics course BENMNIN.A D1	cours Stereochemistry DENDOUGULH D1	Stereochemistry TD DENDOUGULH D1		Electrochemistry TD SAIDL.M C14
Monday	Electrochemistry course SAIDL.M D1	Retro-synthesis and synthetic strategies course ZAOUL.M D1	TD Retro-synthesis and synthetic strategies ZAOUL.M D1	TP Computer science for chemistry MAZOUZ.M D12 PN	Computer science for chemistry TP MAZOUZ.M D12 App
Tuesday	Applied Physical Chemistry course DAGHMOUCHE.M D1	TD Applied Physical Chemistry DAGHMOUCHE.M D1	Chemistry of heterocycles course RAHMANI.Zhor D1		
Wednesday	Organic Chemistry 1 Course ZEGHDLS D1	TD Organic Chemistry 1 ZEGHDLS D1	course Computer science for chemistry MAZOUZ.M D1		
Thursday		TD Advanced chemical kinetics DOUADLA D1	TP Organic Chemistry 1 PN ZEGHDLS LAB 1	TP Organic Chemistry 1 app ZEGHDLS LAB 1	



Day \ TIME	08h00 – 09h30	09h40 – 11h10	11h20 – 12h50	13h50 – 15h20	15h30– 17h00	
Saturday						
Sunday	Advanced chemical kinetics course BENMNIN.A D1		System pollution Course CHAOUCHE.K D4	TP Clean energy HADJADJ.LAID LAB 2		
Monday	TD System pollution CHAOUCHE.K D4	Environmental Ecology Course CHAOUCHE.K D4	Clean energy Course HADJADJ.LAID D4	TD Clean energy HADJADJ.LAID D4		
Tuesday		Numerical methods 1 Course BENMNIN A01			TP UD Microbiology and ecotoxicology MEKADEM.K LAB 1 Hamoudi m	
Wednesday	TP Chimie des eaux  LAB 01 MEKADEM.K + Hamoudi m	TP Chimie des eaux  LAB 01 MEKADEM.K + Hamoudi m	Microbiology and ecotoxicology Course MEKADEM.K A 01 UD	TP Numerical methods 1 BENMNIN Lab05 phy	English course HADDEF.D Amphie F	
Thursday	Environment-health Course MEKADEM.K  D4	Environment-health TD  MEKADEM.K  D4		TD Advanced chemical kinetics DOUADIA D4		

Faculty of Mathematics & Matter Sciences

Time table

specialty: Master 01 (Analytical Chemistry)



Department of Chemistry

university year :2024 /2025

First semester

TIME Day	08h00 – 09h30	09h40 – 11h10	11h20 – 12h50	13h50 – 15h20	15h30– 17h00	17h10 – 18h40
Saturday						
Sunday	Advanced chemical kinetics course BENMNIN.A D1	Analytical Chemistry 1 course ATIA.S S : A1	TD Analytical Chemistry 1 ATIA.S S : A1			
Monday	Electrochemistry course SAIDL.M S : D1		TD Electrochemistry SAIDL.M C 12			
Tuesday	Analytical Chemistry 2 course ZERROUKL.H S : D03	TD Analytical Chemistry 2 ZERROUKL.H D03	TP Analytical Chemistry 2 ZERROUKI+MEKADEM LAB 1	TP Analytical Chemistry 2 ZERROUKI+MEKADEM LAB 1		
Wednesday	TP Electrochemistry DAGHMOUCHE Lab 03	quality management and standardization Course MOUSSAOULY S : A1	course Computer science for chemistry MAZOUZ.M D1	TP Computer science for chemistry MAZOUZ.M UD D12		
Thursday	TP Analytical Chemistry 1 HADJ SAID+RAHIM LAB 1	TP Analytical Chemistry 1 HADJ SAID+RAHIM LAB 1			Advanced chemical kinetics DOUADLA S : A1	



TIME Day	08h00 – 09h30	09h40 – 11h10	13h50 – 15h20	15h30– 17h00	17h10 – 18h40
Saturday					
Sunday	solid chemistry course ALLAOUIA S : D10	solid chemistry TD ALLAOUIA S : D10	TP Characterization technique RHADJ SAID+RAHIM LAB 1	TP Characterization technique RHADJ SAID+RAHIM LAB 1	TP Characterization technique RHADJ SAID+RAHIM LAB 1
Monday	Supramolecular chemistry course ALLAOUIA S : D10	Crystallography course ZENKHRILL S : D10	Crystallography course ZENKHRILL S : D10		
Tuesday	Quantum chemistry Course GADJA S : D10	radio crystallography Course KHELFELLAH S : D10	radio crystallography TD KHELFELLAH S : D10	Corporate culture and entrepreneurship course SAIDATE NEDJMI S : D10	
Wednesday	chemical and structural analysis of materials Course MOUSSAOULY S : D10	Crystallography TD BENZAZIA S : D10	chemical and structural analysis of materials TD MOUSSAOULY S : D10		English course HADDEF.D Amphie B UT D1
Thursday					



TIME Day	08h00 – 09h30	09h40 – 11h10	11h20 – 12h50	13h50 – 15h20	15h30– 17h00	17h10 – 18h40
Saturday						
Sunday	Bio-organic chemistry Course HAMADA D4	Industrial organic chemistry Course ZAOU.LM D3	Basic photochemistry Course ALLAOU.I.A.A D03	Research methodology Course BECHKIL APMHI F		
Monday	TP Plans of experiments Khadraoui.A D12		Bio-organic chemistry TD HAMADA D3			
Tuesday	Plans of experiments Course BENMNIN.A A01		Macromolecular chemistry TD HASSANI .A D3	Legislation Course ZARROUKI APMHI F		
Wednesday	Organic pollution Course CHAOUCHE.K D3	Industrial organic chemistry Course ZAOU.LM D3	TD Industrial organic chemistry BENRAS. A D3	Macromolecular chemistry Course HASSANI .A D3		
Thursday	Anti-oxidant and anti-bacterial activity Course RAHMANI.Zhor D3	Adsorbent Materials Course HADJADJ.M D3	TD Adsorbent Materials. HADJADJ.M D3			



TIME Day	08h00 – 09h30	09h40 – 11h10	11h20 – 12h50	13h50 – 15h20	15h30– 17h00	17h10 – 18h40
Saturday						
Sunday	Bio-organic chemistry Course HAMADA D4	Phytochemistry Course MEKHELFI.T D2	Cours Phytochimie MEKHELFI.T D2	Research methodology Course BECHKIL APMHI F		
Monday	Course Botanical systematics HAMADA.DJ D2	TD Botanical systematics HAMADA.DJ D2	TD Total synthesis of natural products MEKHELFI.T S: D11	Pharmacochemistry and therapeutic targets Course ZAOUIM D2		Pharmacochemistry and therapeutic targets ZAOUIM D2 TD
Tuesday	TD Phytochemistry MEKHELFI.T S: D2	Total synthesis of natural products Course MEKHELFI.T D2		Legislation Course ZARROUKI APMHI F		
Wednesday	TD Bio-organic chemistry HAMADA D2	Chemistry of secondary metabolites course SMARRA.O D2	TD Chemistry of secondary metabolites SMARRA.O D2			
Thursday	Anti-oxidant and anti-bacterial activity .Course RAHMANI.Zhor S: D3					

Faculty of Mathematics & Matter Sciences

Time table

specialty: Master 02 (Environmental Chemistry)



Department of Chemistry

university year : 2024 / 2025

third semester

TIME Day	08h00 – 09h30	09h40 – 11h10	11h20 – 12h50	13h50 – 15h20	15h30 – 17h00	17h10 – 18h40
<b>Saturday</b>						
<b>Sunday</b>	Chemistry of pollution Course CHAOUCHE.K A9	TD Chemistry of pollution CHAOUCHE.K A9		Research methodology Course BECHKILL APMHI F		
<b>Monday</b>	Environmental audit, pollution monitoring and control Course ATIA.S A9	Methodological tools Course SAIDATE.M A9	TP Methodological tools SAIDATE.M D12	TD Methodological tools SAIDATE.M D12	TP Plans of experiments Khadraoui.A D12	
<b>Tuesday</b>	Plans of experiments Course BENMNIN.A A01	Environmental law-regulation Course KHADRAOUI A9	TD Environmental law-regulation KHADRAOUI A9	Legislation Course ZARROUKI APMHI B		
<b>Wednesday</b>	Liquid effluent treatment Course DOUADIA A9	TD Liquid effluent treatment DOUADIA A9	Chemistry of pollution Course CHAOUCHE.K A9	TP Liquid effluent treatment LAB 1 DOUADIA		
<b>Thursday</b>						



TIME Day	08h00 – 09h30	09h40 – 11h10	11h20 – 12h50	13h50 – 15h20	15h30– 17h00	17h10 – 18h40
<b>Saturday</b>						
<b>Sunday</b>	Analysis in solutions Course BELFAR.M A12	TD Analysis in solutions BELFAR.M A12	Basic photochemistry Course ALLAOULA D03	Research methodology Course BECHKLL APMHI F		
<b>Monday</b>	Nanomaterials and specific materials BABAAMI+BENAZIA .G TP LAB 02	TD Electrochemical kinetics DAGHMOUCHE.M D03				
<b>Tuesday</b>	Plans of experiments Course BENMNIN.A A01		TP Analysis in solutions BELFAR+DJARRI LAB 2	Legislation Course ZARROUKI APMHI B		
<b>Wednesday</b>	TD Adsorbent materials HADJADJ.M C14	Electrochemical kinetics Course DAGHMOUCHE.M C12	Nanomaterials and specific materials course BABAMI C14	TP Sampling and development of analytical methods MOUSSAOULY+DJARRI LAB 2		
<b>Thursday</b>	Sampling and development of analytical methods course MOUSSAOULY D02	Cours Adsorbent materials HADJADJ.M D03	TP Plans of experiments Khadraoui.A Labo 5 physique			



Faculty of Mathematics & Matter Sciences

Time table

specialty:Master 02(Matters Chemistry)

Department of Chemistry

university year :2024 /2025

First semester

TIME Day	09h30 – 08h00	09h40 – 11h10	11h20 – 12h50	13h50 – 15h20	15h30– 17h00	17h10 – 18h40
Saturday						
Sunday	Bio-inorganic chemistry TD RAGDI.T D 02	Chemistry nanomaterials TD ALLAOULA A07	Electrochemistry and corrosion Course SAIDIM A12			
Monday		Degradation and protection of materials Course MEKADEM.K C14	Degradation and protection of materials TP MEKADEM.K LAB 01	Bio-inorganic chemistry Course rahim D03	Research methodology Course BECHKIL APMHI F	
Tuesday	Chemistry nanomaterials Course ALLAOULA A12	Chemistry nanomaterials Course ALLAOULA A12		Structural resolution on single crystal and powders TP KHELFELLAH LAB 01		
Wednesday	Production of ceramics and glasses TP LAB 02 BENZIA + Bassa	Production of ceramics and glasses Course ZENKHRILL A12	Material modeling and simulation Course BASSA . M A12	EnglIsh Course HASSANIA A12		
Thursday	Material modeling and simulation TP BASSA + Khadraoui	Structural resolution on single crystal and powders Course KHELFELLAH		Structural resolution on single crystal and powders TD		

S:D 12

A12

KHELFELLAH  
D10

Faculty of Mathematics &amp; Matter Sciences

Department of Chemistry

Time table

university year :2024 /2025

specialty:L3 Fundamental Licence Chemistry)

5<sup>Th</sup> semester

TIME Day	09h30 – 08h00	09h40 – 11h10	11h20 – 12h50	13h50 – 15h20	15h30– 17h00	17h10 – 18h40
Saturday	Molecular Spectroscopy TD RAGDI.T G1 S: D2	Molecular Spectroscopy TD RAGDI.T G3 S: D2	Molecular Spectroscopy TD RAGDI.T G7 S: D2	Molecular Spectroscopy TD RAGDI.T G8 S: D2		
			Thermodynamics of solutions TD G04 MAHDJER.S S:D03	Thermodynamics of solutions TD G05 MAHDJER.S S:D03	Thermodynamics of solutions TD G06 MAHDJER.S S:D03	
	Molecular Modeling Tp MOKADEM .S D 12 G6	Molecular Modeling Tp MOKADEM .S D 12 G1	Molecular Modeling Tp MOKADEM .S D 12 G3			

	<p><b>analytical Chemistry II</b> <b>BENFARDIA</b> <b>TD</b> <b>G03</b> <b>S:D10</b></p>	<p><b>Analytical Chemistry II</b> <b>BENFARDIA</b>  <b>TD</b> <b>G04</b> <b>S:D10</b></p>	<p><b>Analytical Chemistry II</b> <b>TATOU</b> <b>TD</b> <b>G05</b> <b>S:D10</b></p>	<p><b>Analytical Chemistry II</b> <b>BENFARDIA</b> <b>TD</b> <b>G06</b> <b>S:D10</b></p>	<p><b>Analytical Chemistry II</b> <b>BENFARDIA</b> <b>TD</b> <b>G07</b> <b>S: D10</b></p>	
	<p><b>Analytical Chemistry II</b> <b>TATOU</b> <b>TD</b> <b>G02</b> <b>S:D04</b></p>	<p><b>Analytical Chemistry II</b> <b>RAHMANI.ZINEB</b> <b>TD</b> <b>G08</b> <b>S:D04</b></p>	<p><b>Analytical Chemistry II</b> <b>RAHMANI.ZINEB</b> <b>TD</b> <b>G01</b> <b>S:D04</b></p>			
	<p><b>Organic chemistry III</b> <b>BAKKA</b> <b>TD</b> <b>G05</b> <b>S:D01</b></p>		<p><b>Organic chemistry III</b> <b>BAKKA</b> <b>TD</b> <b>G02</b> <b>S:D01</b></p>	<p><b>Organic chemistry III</b> <b>BAKKA</b> <b>TD</b> <b>G03</b> <b>S:D 01</b></p>	<p><b>Organic chemistry III</b> <b>BAKKA</b> <b>TD</b> <b>G01</b> <b>S:D01</b></p>	
<b>Sunday</b>	<p><b>Organic chemistry III</b> <b>SMARRA.O</b> <b>C</b> <b>Section A</b> <b>Amphie F</b></p>	<p><b>Organic chemistry III</b> <b>SMARRA.O</b> <b>C</b> <b>Section B</b> <b>Amphie F</b></p>	<p><b>Molecular Spectroscopy</b> <b>C</b> <b>CHBOUATE.I</b> <b>Section A</b> <b>Amphie F</b></p>	<p><b>Research methodology</b> <b>Course</b> <b>BECHKLL</b>  <b>APMHI F</b> <b>M 02</b></p>	<p><b>Molecular Modeling</b> <b>TP</b> <b>MOKADEM .S</b> <b>D 12</b> <b>G5</b></p>	
		<p><b>Thermodynamics of solutions</b> <b>TD</b> <b>G03</b></p>	<p><b>Molecular Modeling</b> <b>TP</b> <b>BABAMI</b> <b>D 12</b> <b>G8</b></p>	<p><b>Molecular Spectroscopy</b> <b>C</b> <b>CHBOUATE.I</b> <b>Section B</b> <b>Amphie B</b></p>		

		<b>MAHDJER.S</b> <b>S:C14</b>				
					Molecular Modeling Tp MOKADEM .S D 12 G2	
<b>Monday</b>		<b>Organic chemistry III</b> <b>SMARRA.O</b> C Section A Amphie F	<b>Organic chemistry III</b> <b>SMARRA.O</b> C Section B Amphie F			
	Thermodynamics of solutions TD G02 <b>MAHDJER</b> <b>S: C14</b>	Molecular Modeling Tp BABAMI D 12 G7				
	<b>Organic chemistry III</b> <b>SMARRA.O</b> TD G07 S:D03					

		organic synthesis TP DENDOUGUI.H G06 LAB 03	organic synthesis TP DENDOUGUI.H G03 LAB 03	organic synthesis TP DENDOUGUI.H G01 LAB 03	organic synthesis TP DENDOUGUI.H G08 LAB 03	
Tuesday	Analytical Chemistry II RAHMANI.Zhor C Section A AmphieF	Analytical Chemistry II RAHMANI.Zhor C Section B AmphieF	Thermodynamics of solutions ADAMOU Youcef C Section B AmphieF	Thermodynamics of solutions ADAMOU Youcef C Section A AmphieF	Entrepreneurship C NEDJMI .S <b>Section A</b> Amphie F	
	organic synthesis TP TATOU + BAKKA G05 LAB 03	organic synthesis TP TATOU + BAKKA G02 LAB 03	organic synthesis TP TATOU + BNNFARDIA G07 LAB 03	organic synthesis TP TATOU + BENFARDIA G04 LAB 03		
	Organic chemistry III SMARRA.O TD G06 S: D04	Molecular Modeling Tp BABAMI D 12 G4				

Wednesday	Analytical Chemistry II RAHMANI.Zhor C Section A AmphieF	Analytical Chemistry II RAHMANI.Zhor C Section B AmphieF	Molecular Spectroscopy C CHBOUATE.I <b>Section A</b> Amphie F	Molecular Spectroscopy C CHBOUATE.I <b>Section B</b>	Entrepreneurship C NEDJMI .S <b>Section B</b> Amphie F	
	<b>Organic chemistry III</b> <b>SMARRA.O</b> <b>TD</b> <b>G08</b> <b>S: D04</b>			<b>Organic chemistry</b> <b>III</b> <b>SMARRA.O</b> <b>TD</b> <b>G04</b> <b>S: D04</b>		
	Thermodynamics of solutions TD MAHDJER.S G07 <b>S:A12</b>					

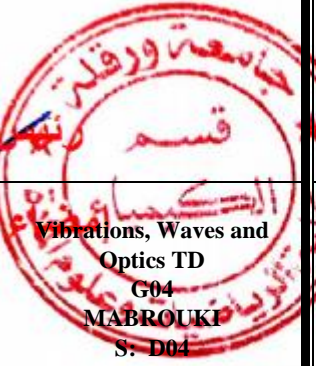
--	--	--	--	--	--	--	--

<b>Thursday</b>	Thermodynamics of solutions ADAMOU Youcef C Section A AmphieF	Thermodynamics of solutions ADAMOU Youcef C Section B AmphieF		Materials chemistry C MOUSSAOULY Section B  Amphie F	Materials chemistry C MOUSSAOULY Section A  Amphie F	
		Thermodynamics of solutions TD MAHDJER.S G01 <b>S:C14</b>	Thermodynamics of solutions TD MAHDJER.S G08 <b>S:C14</b>			
		Molecular Spectroscopy TD BENRAS.A G2 <b>S:D10</b>	Molecular Spectroscopy TD CHBOUATE.I G6 <b>S: D10</b>	Molecular Spectroscopy TD BENRAS.A G4 <b>S: A12</b>	Molecular Spectroscopy TD BENRAS.A G5 <b>S: A12</b>	





TIME Day	09h30 – 08h00	09h40 – 11h10	11h20 – 12h50	13h50 – 15h20	15h30– 17h00	
Sunday	Applied Mathematics Courses Amphi B TELLIL.S	Organic Chemistry 1 Course Amphi B NEDJIMLS				
				TD Organic Chemistry 1 G01 Classroom : D10 NEDJIMLS	TD Organic Chemistry 1 G02 Classroom : D 10 NEDJIMLS	TD Organic Chemistry 1 G03 Classroom : D 10 NEDJIMLS
			Applied Mathematics TD G02 TELLIL.S S: C14	Applied Mathematics TD G03 TELLIL.S S: A12	Applied Mathematics TD G04 TELLIL.S S: C14 A12	
Monday	Numerical Methods and Programming Course Amphi B SAIDATE.M	Mineral Chemistry Course Section B Amphi B BENALIM	Vibrations, Waves and Optics TD G01 MABROUKI S: A 01	Organic Chemistry 1 TP G04 Lab 03 Rahmani+YAZI	Organic Chemistry 1 TP G05 Lab 03 Rahmani+YAZI	
				Vibrations, Waves and Optics TD G02 MABROUKI S: A 01	Vibrations, Waves TD G03 MABROUKI S: A 01	Organic Chemistry 1 TP G01 LAB 02 Rahmani+YAZI

			<b>Mineral Chemistry</b> TD G02 <b>BENALLIM</b> D02	<b>Mineral Chemistry</b> TD G03 Classroom : D1 <b>DJARRI</b>	<b>Mineral Chemistry</b> TD G04 Classroom : D1 <b>DJARRI</b>
			 <b>Vibrations, Waves and Optics TD</b> G04 <b>MABROUKI</b> S: D04	<b>Physical-Chemical Analysis Techniques</b> TD G5 Classroom :D03 <b>ALLAOULM</b>	
<b>Tuesday</b>	<b>Mineral Chemistry</b>  <b>Course Amphi B</b>  <b>BENALLIM</b>	<b>Physical-Chemical Analysis Techniques Amphi B</b> <b>ALLAOULM</b>		<b>Vibrations, Waves and Optics TD</b> G05 <b>MABROUKI</b> S: D 04	<b>Vibrations, Waves and Optics TD</b> G06 <b>MABROUKI</b> S: D 04
				<b>Physical-Chemical Analysis Techniques</b> TD G6 Classroom :D 01 <b>ALLAOULM</b>	<b>Physical-Chemical Analysis Techniques</b> TD G1 Classroom :D 01 <b>ALLAOULM</b>
				<b>Organic Chemistry 1 TP</b> G02 Lab 02 <b>Rahmani+YAZI</b>	<b>Organic Chemistry 1 TP</b> G03 Lab 02 <b>Rahmani+YAZI</b>
			<b>Numerical Methods and Programming TP</b> G06 Classroom :D12 <b>SAIDATE.M</b>	<b>Numerical Methods and Programming TP</b> G01 Classroom :D12 <b>SAIDATE.M</b>	<b>Numerical Methods and Programming TP</b> G02 Classroom :D12 <b>SAIDATE.M</b>

<b>Wednesday</b>	<b>Mineral Chemistry</b> <b>TD</b> <b>G05</b> <b>Classroom :A01</b>  <b>BENALLM</b>	<b>Mineral Chemistry</b> <b>TD</b> <b>G06</b> <b>Classroom :D 04</b>  <b>BENALLM</b>	<b>Mineral Chemistry</b> <b>TD</b> <b>G01</b> <b>Classroom :D 04</b>  <b>DJARRI</b>		
		<b>Physical-Chemical</b> <b>Analysis</b> <u><b>Techniques</b></u> <b>G3</b> <b>Classroom :C14</b> <b>HAMADA</b>		<b>Physical-Chemical</b> <b>Analysis</b> <u><b>Techniques</b></u> <b>G2</b> <b>Classroom :C14</b> <b>ALLAOULM</b>	<b>Physical-Chemical</b> <b>Analysis</b> <u><b>Techniques</b></u> <b>G4</b> <b>Classroom :C14</b> <b>ALLAOULM</b>
		<b>TP Mineral Chemistry</b> <b>G02</b> <b>Lab : 03</b> <b>HADDEF+HADJADJ</b>	<b>TP Mineral Chemistry</b> <b>G03</b> <b>Lab : 03</b> <b>HADDEF+HADJADJ</b>	<b>TP Mineral</b> <b>Chemistry</b> <b>G01</b> <b>Lab : 03</b> <b>HADJADJ+HADDEF</b>	
	<b>Numerical Methods and</b> <b>Programming</b> <b>TP</b> <b>G03</b> <b>Classroom :D12</b> <b>SAIDATE.M</b>	<b>Numerical Methods and</b> <b>Programming</b> <b>TP</b> <b>G04</b> <b>Classroom :D12</b> <b>SAIDATE.M</b>	<b>umerical Methods andN</b> <b>Programming</b> <b>TP</b> <b>G05</b> <b>Classroom :D12</b> <b>SAIDATE.M</b>		
<b>Thursday</b>	<b>Vibrations, Waves and Optics</b> <b>Courses</b> <b>Amphi B</b> <b>TELLILIS</b>	<b>Organic Chemistry</b> <b>1</b> <b>Course</b> <b>Amphi B</b> <b>NEDJIMLS</b>	<b>TD Organic Chemistry 1</b> <b>G04</b> <b>Classroom : D02</b> <b>NEDJIMLS</b>	<b>TD Organic</b> <b>Chemistry 3</b> <b>G05</b> <b>Classroom : D 02</b> <b>NEDJIMLS</b>	<b>TD Organic</b> <b>Chemistry 1</b> <b>G06</b> <b>Classroom : D 02</b> <b>NEDJIMLS</b>
			<b>Applied Mathematics</b> <b>TD</b> <b>G05</b> <b>TELLILIS</b> <b>S: D 01</b>	<b>Applied Mathematics</b> <b>TD</b> <b>G06</b> <b>MABROUI</b> <b>S: D 01</b>	<b>Applied Mathematics</b> <b>TD</b> <b>G01</b> <b>TELLILIS</b> <b>S: D 01</b>
			<b>TP Mineral Chemistry</b> <b>G06</b> <b>Lab : 03</b> <b>DJARRI+HADDEF</b>	<b>TP Mineral</b> <b>Chemistry</b> <b>G04</b> <b>Lab : 03</b> <b>HADDEF+DJARRI</b>	<b>TP Mineral</b> <b>Chemistry</b> <b>G05</b> <b>Lab : 03</b> <b>DJARRI+HADDEF</b>