**Timetable: 3rd year license Specialty: Microbiology Semester 5 (2023-2024) Class : 11 Block I**

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| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **8-9.30** | **9.30-11** | **11-12.30** | **12.30-14** | **14-15.30** | **15.30-17** | |
| **Saturday** |  | Scientific English  **Miss Khenfar**  (Distance lessons) |  |  |  | | |
| **Sunday** | Myco. algo. virology  **Mr. Hamitou**  Course | Myco. algo. Virology (Practical work)  **Mr. Hamitou**  G01/G2 Microbiology lab | |  |  | | |
| Microbial biochemistry  (Practical work)  **Mrs. Meziani**  G01/G02 Microbiology lab | |
| **Monday** |  | Systematics of prokaryotes  **Mr. Derouiche**  Course | Microbial biochemistry  **Mr. Djaballah**  Course |  | Molecular biology and genetic engineering  (Directed work)  **Miss. Achoura**  G01/G02 | |  |
| **Tuesday** | Myco. algo. virology  **Mr. Hamitou**  Course | Molecular biology and genetic engineering  **Mrs. Khenouchi**  Course | Microbial genetics  **Mr. Hamames**  Course |  |  | | |
| **Wednesday** |  | Molecular biology and genetic engineering  **Mrs. Khenouchi**  Course | Microbial biochemistry  **Mr. Djaballah**  Course |  | Systematics of prokaryotes  (Practical work)  **Miss. Malaoui**  G01/G02 Microbiology lab | | |
| Thursday | Microbial genetics  (Directed work)  **Mr. Hamames**  G02/G2 | Systematics of prokaryotes  **Mr. Derouiche**  Course | Microbial biotechnology  **Mr. Derouiche**  Course |  |  | | |

**Timetable: 3rd year licence Speciality : Parasitology Semester 5 (2023-2024) Class : 12 Block I**

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|  | **8-9.30** | **9.30-11** | | **11-12.30** | **12.30-14** | **14-15.30** | **15.30-17** |
| **Saturday** |  | Scientific English  **Miss Khenfar**  (Distance lessons) | |  |  |  |  |
| **Sunday** | Bacteriology 1  Mme. ABERKANE  Course | Fundamental Virology  Ms. MAZOUZ  Course | |  | Fundamental Virology Ms. MAZOUZ  TD G01+ G02 |  |  |
| **Monday** | TP Histology and physiology of mammals  Mme. KHAIAL  **G01/G02( 1/15)**  **Labo Animal**  **Biology** | | | Bacteriology 1  Mme. ABERKANE  Course |  | TP Bacteriology 1  Mme. ABERKANE  **G01/G02( 1/15)**  **Labo Microbiology** | |
| **Tuesday** | Protozoa and  Metazoan parasites  Mme. ABDSSEMED  Course | | Methods of studying  Metazoa  Mme. ABDSSEMED  Course |  | TP Methods of studying Metazoa  Mme. ABDSSEMED  **G01/G02( 1/15)**  **Labo Zoology** | |  |
| **Wednesday** | Fundamental Virology  Ms. MAZOUZ  TD G01+ G02 | | Protozoa and  Metazoan parasites  Mme. ABDSSEMED  Course |  | TP Protozoa and Metazoan parasites  Mme. ABDSSEMED  **G01/G02( 1/15) Labo Zoology** | |  |
| TP Methods of studying protozoa  Me. KHAIAL  **G01 ( 1/7) Labo Zoology** | |
| **Thursday** | Methods of studying  Protozoa  Mme. KHAIAL  Course | | Histology and physiology  of mammals  Mme. KHAIAL  Course |  | TP Methods of studying  Protozoa  Mme. KHAIAL  **G02 ( 1/7) Labo Zoology** | |  |

**Timetable for the 3rd year of the BIOCHEMISTRY license (semester 5) Academic year 2023-2024 Class : 13 Block I**

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|  | **8am-9.30am** | **9.30am-11am** | **11am-12.30pm** | **12:30 p.m.-2 p.m.** | **2 p.m.-3:30 p.m.** | **3:30 p.m.-5 p.m.** |
| **Sunday** | **Biostatistics**  Mr. GHERAIBIA  course **Class 13** | **Cellular and functional biochemistry**  Mr. BOULAKHSAIM  Course **Class 13** |  | **Cellular and functional biochemistry**  Mr. Boulakhsaim  TW **Class 13** | **Biostatistics**  Mr. GHERAIBIA  TW **Class 13** |  |
| **Monday** |  | **Cellular and functional biochemistry**  Mr. Boulakhsaim  Course **Class 13** |  | **Biochemical analysis methods**  Mr. DEROUICHE  Course **Class 13** | **Metabolic regulation**  Mrs. BENBOTT  course **Class 13** |  |
| **Tuesday** |  | **Cellular and molecular immunology**  Mrs. BOUMEDOUS  Course **Class 13** | **Extensive enzymology**  Mr. OULDJAOUI Course **Class 13** |  | **Extensive enzymology**  Mr. OULDJAOUI Course **Class 13** |  |
| **Wednesday** |  | **Biochemical analysis methods** (9:00 a.m.-11:00 a.m.)  Mr. BOUDJOURAF  PWG1/G2 |  | **Extensive enzymology**  M. BOUDJOURAF  TW **Class 13** |  |  |
| **Extensive enzymology** (9:00 a.m.-11:00 a.m.)  Ms. LOUNIS  TP G1/G2 |
| **Thursday** | **Metabolic regulation**  Mrs. BENBOTT  Course **Class 13** | **Metabolic regulation**  Mrs. BENBOTT  TW **Class 13** |  | **Cellular and molecular immunology**  Mrs. BOUMEDOUS  TW **Class 13** | **Cellular and molecular immunology**  Mrs. BOUMEDOUS  Course **Class 13** |  |

**Timetable: 3rd year license Specialty: Ecology and Environment5 (2023-2024) Class : 15 Block I**

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| Heure | 8h-9.30h | 9.30h-11h | 11h-12.30h | 12.30h-14h | 14h-1530h | 15.30h-17h |
| **Saturday** | / | / | / | / | / | / |
| **Sunday** | Sampling Techniques and Data Analysis Ens/ ABABSA Cours | Sampling Techniques and Data Analysis Ens/ ABABSA  TD G1S/C1 |  | Geomorphology  Cours Ens : |  |  |
| **Monday** | Animal and plant eco physiology  Ens : Zouainia  **Course** | Animal and plant eco physiology  Zouainia  TD |  | Animal and plant eco physiology  Zouainia  **Course** | Ecopedology  Kribaâ  Course |  |
| **Tuesday** | Ecopedology EnsKribaâ Cours | Ecopedology Kribaâ TD |  | Analysis and protection of the environment  :Hadjeb Course | Analysis and protection of the environment TD Ens:Hadjeb |  |
| **Wednesday** | Environmental Pollution  Allaoua  Cours | Environmental Pollution  Allaoua TD |  | Bioclimatology  Barbache  Course | Bioclimatology Barbache  TD |  |

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| **Timetable: 3rd year licence Speciality : Animal Biology and Physiology S5 (2023-2024) Class: 10 Block I** | | | | | | |
| **Heure** | **8h-9.30h** | **9.30h-11h** | **11h-12.30h** | **12.30h-14h** | **14h-15.30h** | **15.30h-17h** |
| **Sunday** | **Pharmacology** Ens: Mazouz  Course | **Pharmacology TD Ens:** Mazouz |  | **Embryonic development** Ens: Saihia  Course | **TP Embryonic development**  **Ens: Saihia** | |
| **Monday** | **Embryonic development**  Ens: Saihia  cours | Embryonic development  Ens: Saihia  TD |  | **Laborator analytical techniques**  Course Ens: Derouiche |  |  |
| **Tuesday** | **Comparative anatomy**  Ens: Amie  Course | **TP**  **Comparative anatomy**  Ens: Amie | |  |  |  |
| **Wednesday** | **Functional Histology**  Ens: Moumen  **TP** | | **Functional Histology**  Moumen  Course |  |  |  |
| **Thursday** | **Laboratory analytical techniques TP**  **Ens:** | |  | **Laboratory analytical techniques**  Course Ens: Derouiche |  |  |

**Timetable: 3rd year license Specialty:plant Biotechnology Semester 5 (2023-2024) Class: 17 Block I**

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| **Time** | **8h-9.30h** | **9.30h-11h** | **11h-12.30h** | **12.30h-14h** | **14h-15 :30h** | **15.30h-17h** |
| **Saturday** |  | Scientific English  **Miss Khenfar**  (Course) Online |  |  |  |  |
| **Sunday** | **Plant physiology**  (Course) **Mr. senoussi** | **Genetic bases of biodiversity**  (Course) **Mr. Grama** | **Genetic bases of biodiversity**  (Directed work)  **Mr. Grama** |  |  |  |
| **Monday** | **Instruments and biology methods and laboratory safety**  (Course)  **Mrs. Kadi** | **Multiplication vegetative and biotechnology**  **(**Course)  **Mrs. Kadi** |  |  |  |  |
| **Tuesday** | **Plant physiology**  (Course)  **Mr. Senoussi** | **Plant physiology**  (Practical work) G1  **Mrs. Chehili** | **Instruments and biology methods and laboratory safety**  (Practical work) G1  **Mr. Chebout** |  |  |  |
| **Instruments and biology methods and laboratory safety**  (Practical work) G2  **Mr. Chebout** | **Plant physiology**  (Practical work) G2  **Mrs. Chehili** |
| **Wednesday** | **Multiplication vegetative and biotechnology**  (Course) **Mrs. Kadi** | **Multiplication vegetative and biotechnology**  (Practical work) G1  **Mrs. Kadi** | **Multiplication vegetative and biotechnology**  (Practical work) G2  **Mrs. Kadi** |  |  |  |
| **Thursday** | **Biostatistics**  (Course)  **Mr. Boudjouref** | **Biostatistics**  (Directed work)  **Mr. Boudjouref** |  |  |  |  |