

# University of Oum El Bouaghi

## Faculty of Exact sciences and natural sciences of life

### Department of natural sciences of life

#### Program name: Master's degree in parasitologie

- **Level: Master**
- **Domain: Natural sciences and life**
- **Field: Natural sciences**
- **Specialty: Parasitologie**

#### 1. Program Description:

The objectives of this training are:

1. Improving the SNV department at the University of Oum ElBouaghi by opening new specialties
2. Students from this specialty must find a path to continue their higher studies in a master's degree.
3. Practical mastery of laboratory techniques in parasitology which allow the diagnosis and identification of parasitic diseases in both humans and animals.
4. Provide students with sufficient theoretical knowledge on the host–parasite–vector relationship and methods of combating biological vectors as well as prophylactic methods against different parasitoses.
5. This course aims to train students and managers who will be responsible for the fight against parasitic diseases, whether human or animal, through in-depth knowledge of the different taxonomic classes of parasites, their geographical distribution, their transmission routes.

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#### 2. Entry Requirements

Entry on title in M1 for license holders:

- A. Parasitology
- b. Microbiology.
- C. Biochemistry.
- d. Veterinarian
- e. Animal biology

### **3. Program Units and modules**

#### **1-Semester**

Teaching unit

Fundamental EU

UEF1(O/P)

Subject 1: General parasitology (part 1)

Subject 2: Parasitic zootaxis

UEF2(O/P)

Subject 1: Eco-Biology of parasite vectors

EU methodology

UEM1(O/P)

Subject 1: Method for diagnosing human and animal parasitoses

Subject 2: Molecular biology tools and techniques

Discovery EU

UED1(O/P)

Subject 1: Scientific English

Transversal EU

UET1(O/P)

Subject 1: Communication

**Semester 2 :**

Teaching unit

Fundamental EU

UEF1(O/P)

Subject 1: General parasitology (Part. II)

Subject 2: Human and animal parasitic pathologies

UEF2(O/P)

Subject 1: Parasites of bees and fish

EU methodology

UEM1(O/P)

Subject 1: Biostatistics

UEM2(O/P)

Subject 1: Sampling techniques

Discovery EU

UED1(O/P)

Subject 1: Methodology in animal experimentation

Transversal EU

UET1(O/P)

Subject 1: Legislation

**Semester 3 :**

Teaching unit

Fundamental EU

UEF1(O/P)

Subject 1: Epidemiology of parasitoses around the world

Subject 2: Prophylaxis and control of parasitoses

UEF2 (O/P)

Subject 1: Zoonoses

EU methodology

UEM1(O/P)

Subject 1: Anti-vector control

UEM2 (O/P)

Subject 2: Methods for combating parasitoses

Discovery EU

UED1(O/P)

Subject 1: Bibliographic analysis and scientific articles

Transversal EU

UET1 (O/P)

Subject 1: Entrepreneurship

**Semester 4:**

Internship in a company culminating in a dissertation and a defense.

## 4. Other

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