



الجامعة الأوروبية بـفاس
EUROMED UNIVERSITY OF FES
UNIVERSITÉ EUROMED DE FÈS

SDG3 Report

Good health and well-being



SDG3 Report: Good health and well-being

Health and Prevention

Infirmiry

The university has an infirmiry which provides the following services:

- advice and awareness in matters of health and hygiene of life;
- routine care in case of discomfort and minor accidents;
- first aid before any possible evacuation to the approved clinic;
- referral to specialist doctors and appropriate centers

Mental Health

UEMForia <https://www.ueuromed.org/clubs/uemforia> is a student initiative that aims to educate and inform students about health issues. The goal is to increase awareness of mental health issues among students

Activities: The club organizes a series of conferences, meetings and workshops for the benefit of the students and prepares them to face the stress related to the exams and promotes their integration

Assurance

Students and staff are covered by different types of insurance

Complementary insurance

All university students benefit from a capped complementary insurance which covers emergency medical and hospital care delivered in an approved clique.

UEMF offers its students and staff a good quality of life within its eco campus <https://www.ueuromed.org/leco-campus> labeled COP22 and which has just been awarded the first innovation label official awarded by the Agence Universitaire de la Francophonie (AUF) in 2021.



The UEMF campus brings together different catering facilities (student space, personal space, cafeteria) which offer students, staff and visitors balanced meals with good value for money.

Lodging

U Village has 1362 single or double rooms fully equipped and to the best standards. All the rooms have several amenities: Bathroom Kitchenette area with fridge and hotplate, quality bedding, desk with shelf, cupboards, individual tables, etc.

The University Residence U VILLAGE provides its residents with a comfortable, warm, healthy and secure living environment.

Fight against diseases and pandemics

- Fight against COVID19

UEMF pays particular attention to the well-being and health of students and staff.

Thus the entire university community has been vaccinated against COVID19 and all precautions have been applied.

The UEMF has adopted a series of necessary practices to limit the risk of the virus spreading. Anyone wishing to access the campus submits to an infrared temperature measurement, the vehicles are disinfected at the entrance, masks are distributed, the premises are disinfected in the morning and in the evening, access to each building is subject to the Disinfection of shoes and hydro-alcoholic gels are arranged in the most frequented places, in addition to social distancing in all offices and meeting rooms.

When face-to-face work resumed, a massive Covid-19 screening operation was set up at the University for the benefit of staff, doctoral students and technical agents present on the UEMF Eco-campus. All tests were negative

A post COVID CSR webinar was organized

<https://www.ueuromed.org/evenements/cycle-de-conferences/webinaire-sous-le-theme-rse-post-covid>

- Organization of HIV awareness and testing days organized by the Rotaract club with the collaboration of the Moroccan family planning association. The tests are anonymous and fast with an instant result.
- Blood donation: organized periodically by students through their clubs

<https://www.ueuromed.org/evenements/activites-des-clubs/journee-don-de-sang-uemf-rotaract-club>

Health education and learning

A-UEMF has a large Engineering School: BiomedTech Engineering School

<https://www.ueuromed.org/etablissement/ecole-euromed-dingenieurs-biomedtech>

This school aims to train high-level executives capable of supporting major development projects and projects in the countries of the Euromed basin and in sub-Saharan Africa in the fields of health, biomedical and biotechnology , we rely on a rich partnership network both academically (health science research centers, hospitals, etc.), and industrially

Training aims

1-The Biotechnology Engineer program, offered by EUROMED University will provide students with in-depth knowledge in biological sciences and technologies and transferable expertise and skills in a rapidly expanding field; economic and technological. This program offers a concentration in Biomolecular Engineering and Drug Development which will benefit students pursuing careers in biological engineering, in or in the following industries: pharmaceutical, cosmetic, and agrifood.

The objectives of the program of the cycle of engineers in biotechnologies are as follows:

- Ability to apply critical analysis to solve problems at the interface of science, medicine and engineering;
- An ability to design and conduct experiments, as well as to analyze and interpret data;
- An understanding of the principles of modern biology and the ability to apply the principles of science, engineering and mathematics;
- In-depth training in biological sciences which will enable them to take enlightened and ethical approaches and to fully understand the role of the biotechnology engineer in society.
- Also, graduates will be able to effectively communicate their work and ideas, and they will be prepared for successful professional and / or academic careers.
- Acquisition of an ability to use modern biological engineering techniques, skills and tools necessary for the practice of biotechnology;
- Knowledge of contemporary issues in bioengineering and associated disciplines;
- An ability to design and produce biomolecules and biomolecular systems to meet a desired need;
- An ability to function within multidisciplinary teams;
- An ability to identify, formulate and solve engineering problems;
- An understanding of professional and ethical responsibility;
- An ability to communicate effectively;
- a recognition of the need and the capacity to engage in lifelong learning.

-2 The Biomedical Engineering program is designed for students interested in the application of the sciences and techniques of physics, mathematics, and engineering to problems in biology. It prepares students for graduate studies in biomedical engineering and biological sciences in general, as well as for careers in the design of biomaterials, the design of biomedical instruments, the design of medical devices (eg design of orthopedic prostheses, etc.) The biomedical engineering cycle will provide students with theoretical and technical knowledge, expertise and transferable skills in a rapidly expanding field; economic and technological. The main objectives of this sector are:

- Acquire in-depth knowledge (theoretical and practical) in biomedical engineering, and the sciences and technologies associated with it,
- Practice through educational and research experiences in the laboratories and workshops of the EUROMED University of Fez, to better understand the technical and managerial problems related to the design and industrialization process in biomedical engineering.

B- Euromed Faculty of Pharmacy

The Euromed Faculty of Pharmacy (FEP) is one of the higher education institutions under the Euromed University of Fez (UEMF). In partnership with the University of Granada, the FEP was created to contribute to the development of the health center of the UEMF by setting up academic training leading to national diplomas in the field of pharmacy and pharmaceutical sciences and in disciplines closely linked to the needs and concerns of the local socio-economic world (Fès-Meknes), national (Morocco) and Regional (Euro-Mediterranean area).

Specific objectives :

<https://www.ueuromed.org/faculte-euromed-de-pharmacie/filieres/docteur-en-pharmacie>

- Provide quality education in accordance with international standards, through a partnership with Faculties and health institutions, particularly Euro-Mediterranean;
- Provide a favorable working environment and effective methods for the optimal acquisition of knowledge, knowledge and skills, necessary for the profession of pharmacist;
- Allow the acquisition of multidisciplinary techniques relating to health professions, as well as new technologies in Biology;
- To initiate the future pharmacist to the methodology of reflection, to the analytical approach, to critical thinking and to stimulate creativity, innovation, the confrontation of ideas and social responsibility;
- Allow open-mindedness, adaptability and broad autonomy and a sense of decision-making in the future pharmacist;
- Develop quality research, promote professional expertise in the field of health sciences and related professions;
- Disseminate knowledge and promote the pharmacy professions.

Research

<https://www.ueuromed.org/recherche-developpement>

- Design and manufacture by 3D printing of several thousand visors (sterilizable) which have been distributed to hospitals, the Wilaya, town halls and the police headquarters and public administrations
- Design and manufacture by 3D printing of elbows allowing the use of a ventilator for several patients
- Design and manufacture by 3D printing of antibacterial and antiviral masks, washable, sterilizable and reusable with disposable filters.

- Design and manufacture by 3D printing of adapters for Decathlon goggles
- Design and manufacture by 3D printing of washable, sterilizable and reusable masks with disposable filters for deaf-mutes (lip reading)
- Design and manufacture of a door opening device by the arm.
- Development, design and manufacture by 3D printing of a respiratory valve to facilitate patient oxygenation without requiring a mechanical ventilator. The device has been patented and is already in use
- Design and manufacture by 3D printing of air flow sensors.

Research topics

<https://www.ueuromed.org/equipe-de-recherche/biotechchimie-medicinale-bcm>

A research team from UEMF is working on new active molecules for the design of new drugs. This work involves several researchers from UEMF and Moroccan universities and hospitals.

Various conferences have been organized including

<https://www.ueuromed.org/evenements/cycle-de-conferences/lhomme-au-coeur-artificiel-de-la-fiction-la-realite-par-pr-waiih>

Other research topics:

- Design and synthesis of anticancer, antiviral and antibacterial agents,
- Green synthesis of molecules of biological and / or physicochemical interest,
- Design and synthesis of macromolecules for the vectorization of active ingredients, optical imaging and medical diagnostics,
- Extraction, isolation, characterization, hemi-synthesis and valuation of natural products,
- Production of bioactive molecules by biological processes,
- Study and analysis of new cell signaling pathways (animal, plant and microbial cells),
- Development of new avenues for drug administration,
- Development of diagnostic tests for emerging diseases,
- Identification of therapeutic targets,
- Production and purification of proteins (recombinant, natural).

A very large number of publications in the field of health in general and in medicinal chemistry in particular have been accepted and published in indexed journals.

It is available on the link:

<https://www.ueuromed.org/ecole-euromed-dingenieurs-biomedtech/personnel-seignant-chercheur/said-el-kazzouli>

Partnerships

- Digital health: The “Covid-19” health crisis was a systematic but revealing shock. Especially in terms of the importance of digital in the field of health, and those on several levels.

The “Health and Digital” symposium, organized by the National School of Arts and Crafts of the Mohammed V University of Rabat, is to share reflections on the impact of digitalization

on the health system in general and in Morocco in particular, and also, to identify future avenues of research in the field of complementarity between digitalization & health.

This academic and industrial event saw the signing of partnership agreements with the Digital Development Agency, the Pasteur Institute, the Euromed University of Fez, the Mohammed VI University of Health Sciences and Huawei Morocco. The authorities of the Ministry of National Education, Vocational Training, Higher Education and Scientific Research and the Ministry of Health were also present.

- UEMF-CHU Convention (University Hospital Center)

Research and innovation is a component of great importance within the UEMF. Today, the University is expanding its portfolio of strategic partners in this direction by signing an agreement between Prof. Mostapha Bousmina, President of UEMF, and Prof. Mohamed Nouredine Al Amin, Director General of the Hassan II Hospital Center in Fez. to advance knowledge and science.

The mission of this framework agreement is to provide support to the research units of the UEMF, and in particular with regard to the biomedical and biotechnological fields, thanks to three major axes:

- 1- Provide common, high-quality training in research through research.
- 2- Supervise the research projects of research professors and doctoral students.
- 3- Organize occasional scientific and intellectual events in the biomedical field.

- Women and Science Chair

After the signing of an agreement between the UEMF and the Organization of the Islamic World for Education, Sciences and Culture (ICESCO) on May 17 for the establishment of a chair "Women in Science", in the field of Artificial Intelligence, the two parties today celebrated the official launch of this project.

This chair is headed by Prof. Maha Gmira, professor at UEMF, holder of a doctorate from the École Polytechnique de Montréal, in one of the centers of global excellence in AI, data science for real-time decision-making IVADO, CIRRELT, GERAD, etc. and the MILA headed by Prof. Yoshua Bengio.

With the objective of strengthening the contribution of women in digital technology and attracting doctoral students to carry out research projects in this field, the chair is intended to be a starting point for the launch of high added value projects at the African-Euro-Mediterranean scale.

The first training courses concerned female doctors in order to help them make better use of AI tools in their analysis and diagnostic work.

Accords de partenariats socio – économiques

INSTITUTION	DOMAINE D'ACTIVITE
• Centre Hospitalier Universitaire de Fès (CHU-FES)	• Formation et recherche
• L'AGENCE NATIONALE DES PLANTES MEDICINALES ET AROMATIQUES (ANPMA)	• Recherche et innovation sur les plantes médicinales.
• ALTHEA PHARMACEUTICALS	• R&D et commercialisation des médicaments, compléments alimentaires et de dispositifs médicaux
• ELEPHANT VERT- MEKNES	• Production et exportation de biofertilisants et engrais biologiques
• AGRIN MAROC- FÈS	• Production et commercialisation de semences sélectionnées
• OLEA-FOOD	• Produits écologiques et valorisation de biomasses

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Socio-cultural activities

The UEMF organizes a large number of activities in this field thanks to the dynamism of its students and staff.



▪ Student clubs

<https://ueuromed.org/vie-estudiantine>

Studying is not just about attending classes! This is the opportunity to live new experiences and explore their areas of interest. It's time to meet new people and shape your future.

How do we do it? By getting involved in student life:

- To experience new encounters
- To develop a sense of belonging
- To discover interests and passions: clubs, sport, ...
- To learn more about the diploma: soft skills, services to society, ...
- To develop a network of contacts
- To take responsibility.

Getting involved requires additional efforts, but values and enriches the development of young people

The UEMF WEBTV brings together a large number of activities

Sport

The UEMF allows its students to develop their physical capacities whether they are beginners, sportsmen, seasoned athletes, or athletes of national or international level. Their athletic achievements are rewarded with the highest scholarships and other benefits.

The UEMF is gradually building its sports infrastructure:

- a large multisports hall;
- professional basketball, Handball and Volleyball courts;
- a Mini-Foot field;
- a badminton court;
- Table tennis ;
- a squash room;
- a room reserved for the practice of bodybuilding and cardio-training;
- rooms reserved for the practice of dance, aerobics, yoga;
- a gymnastic room with parallel bars, oblique wooden plinth with bearing, ring... etc;
- a judo, aikido, capoeira, taekwondo, karate room;
- a Boxing ring;
- a climbing wall;
- a nurse ;
- H&F hammams with Sauna, showers and changing rooms;
- a semi Olympic indoor swimming pool;
- outdoor sports areas:

1. *an approved football field;*
2. *mini-football fields;*
3. *a tennis court ;*
4. *an athletics field with race tracks (different lengths), pole vault, high jump, long jump, shot put, javelin disc ... etc;*
5. *a mini-golf course;*
6. *a medico-social center near sports facilities*

Tobacco-free campus accessible to people with reduced mobility

