

REPUBLIQUE ALGERIENNE DEMOCRATIQUE ET POPULAIRE

MINISTERE DE L'ENSEIGNEMENT SUPERIEUR
ET DE LA RECHERCHE SCIENTIFIQUE

OFFRE DE FORMATION LICENCE ACADEMIQUE

Double Compétence

Etablissement	Faculté / Institut	Département

Domaine : Mathématiques et Informatique

Filière : Informatique

Spécialité : Mathématiques et Informatique appliquées aux Sciences Economiques
et de Gestion

Année universitaire : 2024/2025

II – Fiche d'organisation semestrielle des enseignements

(Prière de présenter les fiches des 6 semestres)

FTF: Face-to-face mode, ELEARN: eLearning mode, H: Hybrid mode (FTF/ELEARN)

Semester	Unit	Courses	Credit	Coef	Course	TD	TP	Evaluation		Teaching mode		
								Exam	Cont	Mode	FTF (%)	Elearning (%)
Semster 1	UFM1	Mathematic Analysis and Mathematic Logic	5	3	3H		1.5H	60%	40%	FTF	100	
		Introduction to Probabilities and Descriptive Statistics 1	4	2	3H	1.5H		60%	40%	FTF	100	
	UFC1	Machine Structure et Operating System Administration	4	2	3H	1.5H		60%	40%	FTF	100	
		Programming 1	5	3	3H	1.5H		60%	40%	FTF	100	
	UD1	Introduction to the Economic Sciences	3	2	1.5H		1.5H	60%	40%	FTF	100	
		Introduction to the Human and Social Sciences	3	2	1.5H		1.5H	60%	40%	FTF	100	
	UM1	University work	2	2	1.5H			100%		H	20	80
	UT1	Ethics and Professional Deontology	2	1	1.5H			100%		H	20	80
		English I	2	1	1.5H			100%		ELEARN		100
			30	18								
Semster 2	UFM2	Linear Algebra	5	3	3H		1.5H	60%	40%	FTF	100	
	UFC2	Introduction to Artificial Intelligence	5	3	3H	1.5H		60%	40%	FTF	100	
		Programming 2	6	3	3H	1.5H		60%	40%	FTF	100	
	UD2	Introduction to Economic Theories	3	2	1.5H		1.5H	60%	40%	FTF	100	
		Introduction to the Human and Social Sciences 2	3	2	1.5H		1.5H	60%	40%	FTF	100	
	UM2	University work 2	2	2	1.5H			100%		H	20	80
	UT2	Entrepreneurship and Management of the Enterprise	2	1	1.5H			100%		H	20	80
		Introduction to Law	2	1	1.5H			100%		H	20	80
		English II	2	1	1.5H			100%		ELEARN		100
			30	18								

M: Methodological, F: Fundamental, D: Discovery, T: Transversal

The weighting 20%, 80% means that students will be present 1 week out of 4 for each course in an alternating manner.

(*): Studied in Medicine Curriculum

University work 1(UW1)

Semester 1

Unit: UM1

Credit: 2

Coeff: 2

Course objectives

- Positive participation in university life
- Giving a good image of the university

Course Content:

Part1: LMD training system

1. The university, its social role and its objectives in global development
2. The training system in the Bachelor's, Master's and Doctorate
3. Explanation of terms: field, department and specialization
4. Meaning of the educational unit: Fundamental, Methodological, exploral, Transverse
5. Meaning of credit, coefficients, individual work
6. Nature of pedagogical assessment: lectures, practical work, Tutorial session
7. Conditions for transition and success during the training course
8. University guidance criteria and bridges and crossings between training course

Part2: - Distance education via electronic platforms

1. The university student is the focus of the educational process
2. Modern technologies in the educational and learning process
3. E-learning platforms (Moodle, MOOCs, DUAL... etc.)

Part3: Training on university work techniques

1. Using research methods and technological applications in study and research
2. Preparing a reading sheet and summarizing lessons
3. Preparing and presenting works using specialized applications

Part4: Integration into University Life

1. What's University Life
2. Emotional Intelligence and Teamwork Skills
3. Pedagogical Support for People with Disabilities and Their Integration into University Life
4. Participation in Scientific, Cultural and Sports Activities
5. Psychological Assistance Centers within the University

Teaching mode

Elearning (80%), Face to face mode (20%).

Assessment mode

Exam (60%), Continuous assessment (40%).

Recommended Textbooks:

- MINISTERE DE L'ENSEIGNEMENT SUPERIEUR ET DE LA RECHERCHE SCIENTIFIQUE. Guide pratique de mise en œuvre et de suivi du LMD. Alger : MESRS, 2011
- BARKLEY, Elizabeth F. Student engagement techniques: a handbook for a college faculty. USA: Jossey bas, 2010