

REPUBLIC OF TUNISIA  
MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH  
UNIVERSITY OF TUNIS EL MANAR  
FACULTY OF SCIENCES OF TUNIS

## TRANSCRIPT OF GRADES

Academic year  
2024/2025

Student full name: Mr. Mohamed Amine REBHI

Born on November 18<sup>th</sup>, 2002 in TUNIS

Holder of ID Card n°: 14368279

Enrollment n°: 2100047

Diploma: National Diploma of Engineer in Applied Sciences and Technologies

Specialty : Data Sciences

Level of study: 4<sup>th</sup> year

Situation : New

Group: IDS4 G01

Educational Unit	Educational Element	Sem	Crd.	Coef.	Main Session					Re-sit session		
					Practicum	Continuous Assessment	Exam	Average /20	Crd	Re-sit Exam	Average /20	
UE1 Statistical Modeling	UF1 Linear Regression	S1	2.00	1.00	*****	16.50	19.25	18.33	6.0 V			
	UF2 Generalized Linea. Model. and Regression				*****	17.00	17.00	17.00				
	UF3 Time Series 1				*****	13.00		13.00				
UE2 Collection and Learning	UF4 Supervised Learning	S1	2.00	1.00	*****	19.00	17.00	17.67	4.0 V			
	UF5 Survey Theory 1				*****	20.00		20.00				
UE3 Databases	UF6 NoSQL Databases	S1	2.00	1.00	13.50	15.00	15.00	14.50	4.0 V			
	UF7 Database Management Systems PI_SQL				4.00	16.00	15.50	11.78				
UE4 Big Data	UF8 Advanced Big Data Processing	S1	2.00	1.00	14.50	16.75	16.25	15.78	6.0 V			
	UF9 Modeling Systems for Big Data				16.25	16.00	16.50	16.31				
	UF10 Distributed Systems for Big Data				18.50	18.00	18.50	18.39				
UE5 Language and Entrepreneurship	UF11 English TOEIC 3	S1	2.00	1.00	*****	14.50	13.00	13.50	6.0 V			
	UF12 Business Management				*****	12.50	13.00	12.83				
	UF13 Info. Project Management (Method)				*****	18.00	16.00	16.67				
UE6 OPTION 1	UO1 Test-Driven Development	S1	2.00	1.00	13.00	11.00	15.00	13.44	4.0 V			
	UO2 Web and Multimedia Technology				*****	18.00	14.75	15.83				
UE7 Complementary Modeling	UF16 Introduction to Data Models	S2	2.00	1.00	*****	17.50	16.50	16.83	6.0 V			
	UF17 Nonparametric Statistic				*****	16.00	15.00	15.33				
	UF18 Missing Data Processing				*****	16.50	15.00	15.50				
UE8 Data Analysis	UF19 Machine Learning 1	S2	2.00	1.00	*****	17.00	17.50	17.33	6.0 V			
	UF20 Data Mining				*****	16.00	18.50	17.67				
	UF21 Workshop: Data Mining and Mach.				*****			16.00				
UE9 Data Science	UF22 Auto. Natural Language Processing	S2	2.00	1.00	20.00	20.00	13.00	16.89	4.0 V			
	UF23 Cloud Environ. for Big Data				16.00	17.00	16.00	16.22				
UE10 Distributed Computing	UF24 Massive Data Visualization	S2	2.00	1.00	18.00	16.00	15.50	16.44	6.0 V			
	UF25 Analytical Processing of Databases				*****	16.50	18.75	18.00				
UE11 Language and Entrepreneurship	UT1 English TOEIC 4	S2	2.00	1.00	*****	19.00	15.00	16.33	15.28	6.0 V		
	UT2 Entrepreneurship				*****	15.50	14.00	14.50				
	UT3 IT Law and Ethics				*****	15.00		15.00				
UE12 OPTION 2	UO3 AI and Cybersecurity	S2	2.00	1.00	14.00	16.00	12.50	13.78	4.0 V			
	UO4 Multi-Agent Systems				*****	15.00	18.25	17.17				
					60.00	30.00		478.08				

Main session	Annual	15.94	Credits	60.00
Re-sit session	Average			

Edited in Tunis on July 12<sup>th</sup>, 2025

Signed: The Dean  
Adel MEGRICHE  
(Handwritten Signature)

Seal: Ministry of Higher Education and Scientific Research  
University of Tunis El Manar  
Faculty of Sciences of Tunis  
The Dean

Nature : S1 : Semester 1 ; S2 : Semester 2 ; An : Annual ; Eu: Educational Unit ; Nc: Non-chosen Optional module  
"Exem." : Exempted; V: Validated Educational Unit; "N" Non Validated Educational Unit

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For True & Certified Translation  
Tunis on September 12<sup>th</sup>, 2025

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REPUBLIC OF TUNISIA  
MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH  
UNIVERSITY OF TUNIS EL MANAR

FACULTY OF SCIENCES OF TUNIS

## TRANSCRIPT OF GRADES

Academic year  
2023/2024

Student full name: Mr. Mohamed Amine REBHI

Born on November 18<sup>th</sup>, 2002 in TUNIS

Holder of ID Card n°: 14368279

Enrollment n°: 2100047

Situation : New

Group: IDS3

Diploma: National Diploma of Engineer in Computer Science

Specialty : Data Sciences

Level of study: 3<sup>rd</sup> year

Educational Unit	Educational Element	Sem	Crd.	Coef.	Practicum	Continuous Assessment	Main Session		Re-sit session		
							Exam	Average /20	Crd	Re-sit Exam	Average /20
UF31 Probability and Mathematics	UF311 Mathematical Tools	S1	2.00	1.00	*****	18.50	18.00	18.17	6.0 V		
	UF312 Differential Calculus and Optimization		2.00	1.00	*****	20.00	17.00	18.00			
	UF313 Advanced Probability		2.00	1.00	*****	14.00	13.00	13.33		16.50	
UF32 Compilation and Optimization	UF321 Compilation	S1	4.00	2.00	17.50	17.00	16.50	16.94	7.0 V		
	UF322 Graphs and Optimization		3.00	1.50	*****	20.00	17.50	18.33		17.54	
UF33 Databases	UF331 Data Warehouses	S1	2.00	1.00	*****	13.75	16.50	15.58	5.0 V		
	UF332 Administration of Databases		3.00	1.50	18.00	19.00	18.50	18.44		17.30	
UT34 Languages and Corporate Culture	UT341 English TOEIC I	S1	2.00	1.00	*****	*****	12.00	12.00	6.0 V		
	UT342 Communication Techniques 1		2.00	1.00	*****	10.00	12.50	11.67			
	UT343 Introduction to Macroeconomics		2.00	1.00	*****	19.50	17.75	18.33		14.00	
UO35 OPTU1	UO351 OPT1 Software Architecture	S1	3.00	1.50	*****	15.00	17.00	16.33	6.0 V		
	UO352 OPT2 Design of Systems		3.00	1.50	*****	15.00	15.00	15.00		15.67	
UF41 Inferential Statistic	UF411 Inferential Statistic	S2	2.00	1.00	*****	16.00	11.00	12.67	4.0 V		
	UF412 Statistical Project with R		2.00	1.00	*****	19.00	12.75	14.83		13.75	
UF42 Introduction to Static Learning	UF421 Exploratory Multivariate Statistics	S2	3.00	1.50	*****	16.00	17.00	16.67	6.0 V		
	UF422 Stochastic Modeling		3.00	1.50	*****	20.00	18.50	19.00		17.84	
UF43 Big Data and Parallel Computing	UF431 Introduction to Big DATA	S2	2.00	1.00	16.00	13.50	15.75	15.33	4.0 V		
	UF432 Parallel and Distributed Computing		2.00	1.00	*****	16.25	17.75	17.25		16.29	
UF44 AI and Distributed System	UF441 Cloud and Virtualization	S2	2.00	1.00	19.50	18.00	17.50	18.28	6.0 V		
	UF442 Foundation of Artificial Intelligence		2.00	1.00	*****	14.00	16.75	15.83			
	UF443 Foundation of Distributed Systems		2.00	1.00	15.00	19.25	10.00	13.72		15.94	
UT 45 Language and Corporate Culture	UT451 English TOEIC 2	S2	2.00	1.00	*****	14.75	17.00	14.75	6.0 V		
	UT452 Introduction to Microeconomics		2.00	1.00	*****	19.00		17.67			
	UT453 Communication Techniques 2		2.00	1.00	*****	10.50		10.50		14.31	
UO46 OPTU4	UO461 Cryptography and Protection of	S2	2.00	1.00	13.00	13.00	15.00	13.89	4.0 V		
	UO462 Application Project of New		2.00	1.00	*****	13.00	15.00	14.33		14.11	
						60.00	30.00	475.72			

Main session	Annual	15.86	Credits	60.00
Re-sit session	Average			

Edited in Tunis on June 21<sup>st</sup>, 2024

Signed: The Secretary General

Aida MANCHOUL

(Handwritten Signature)

Seal: Ministry of Higher Education and Scientific Research

University of Tunis El Manar

Faculty of Sciences of Tunis

The Secretary General

Exam's Board Decision: ADMITTED

Nature : S1 : Semester 1 ; S2 : Semester 2 ; An : Annual ; Eu: Educational Unit ; Nc: Non-chosen Optional module

"Exem." : Exempted; V: Validated Educational Unit; "N" Non Validated Educational Unit

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 FACULTY OF SCIENCES OF TUNIS

**TRANSCRIPT OF GRADES**

Academic Year  
 2022 / 2023

Full name: **Mr. Mohamed Amine REBHI**

Born on : **November 18<sup>th</sup>, 2002** in **TUNIS**

National ID Card N°: **14368279**

Enrolment N°: **2100047**

Situation : **New**

Group : **MI2 B G02**

Diploma : Integrated Scientific Preparatory Cycle

Specialty : Math Computer Science

Study Level: SECOND YEAR

Educational Units	Educational Elements	Sem.	Crd.	Coef.	Prac.	CA	Exam	Main Session		Crd	Re-sit Session	
								Average /20	EXR		Average /20	
FEU310 Mathematics	FU Algebra 3	S1	3.00	1.50	*****	20.00	10.50	13.35		6.0 V		
	FU Analysis 3		3.00	1.50	*****	18.00	20.00	19.40			16.38	
FEU320 Signal Processing	FU Signal Processing	S1	4.00	2.00	*****	17.50	16.50		16.80	4.0 V		
	FU Computer Architecture		3.00	1.50	*****	12.00	16.25	14.98				
FEU330 Material and Systems	FU Operating Systems 1	S1	3.00	1.50	11.00	16.50	15.50	14.63		6.0 V		
	FU Object Oriented Programming		4.00	2.00	17.50	15.00	17.00	16.50				
FEU340 Object Oriented Programming	FU Web Development	S1	2.00	1.00	15.50	16.50	12.25	14.13		6.0 V		
	FU Formal Logic		2.00	1.00	*****	20.00	14.50	16.15				
FEU350 Foundations of Databases	FU Foundations of Databases		2.00	1.00	*****	19.00	14.00	15.50		4.0 V		
	FU English 3	S1	2.00	1.00	*****	15.75	17.50	16.98				
TEU310 French 3	FU French 3		2.00	1.00	*****	15.00	11.50	12.55		4.0 V		
	FU Probability and Statistics	S2	4.00	2.00	*****	14.50	11.50		14.77			
FEU410 Mathematics 2	FU Theory of Languages and Automata	S2	4.00	2.00	*****	18.00	17.00			4.0 V		
	FU Python Programming		2.00	1.00	17.00	20.00	17.25	17.88				
FEU430 Java Workshop	FU Java Workshop		2.00	1.00	*****	17.00	18.50	18.05		4.0 V		
	FU Database Engineering		3.00	1.50	16.50	16.75	15.00	15.81				
OREU440 Design of Information Systems	FU Design of Information Systems	S2	3.00	1.50	*****	15.00	11.50	12.55		6.0 V		
	FU Operating System		3.00	1.50	17.50	16.00	16.00	14.18				
FEU450 Data Transmission	FU Local Networks	S2	2.00	1.00	*****	14.00	11.00	11.90		8.0 V		
	FU Operating System		3.00	1.50	13.50	16.00	14.00	14.38				
TEU410 LANGUAGES	FU English 4	S2	2.00	1.00	*****	17.00	15.50	15.95				
	FU French 4		2.00	1.00	*****	18.00	20.00	19.40				
		Total	60.00	30.00				466.98				

Main Session	Annual Average	15.57	Credits	60.00
Re-sit Session				

Done in TUNIS, on June 21<sup>st</sup>, 2023

The Secretary General

Aida MANCHOUL

(Signature)

Seal: Ministry of Higher Education and Scientific Research

University of Tunis El Manar

Faculty of Sciences of Tunis

The Secretary General

**Board of Examiners' Decision:** ADMITTED

With the Distinction: WITH HIGH HONOURS

Nature: S1: Semester 1; S2: Semester; An: Annual; EU: Educational Unit; Ns: Optional Module not selected  
 "exem.": Exempted "V": Validated Educational Unit "N": Non Validated Educational Unit

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 UNIVERSITY OF TUNIS EL MANAR  
 FACULTY OF MATHEMATICS, PHYSICS AND NATURAL SCIENCES OF TUNIS

TRANSCRIPT OF GRADES

Academic Year  
 2021 / 2022

Full name: Mr. Mohamed Amine REBHI

Born on : November 18<sup>th</sup>, 2002 in TUNIS

National ID Card N°: 14368279

Enrolment N°: 2100047

Situation : New

Group : MPI1 B

Diploma : Integrated Scientific Preparatory Cycle

Specialty : Math-Physics-Computer Science

Study Level: FIRST YEAR

Educational Unit	Educational Elements	Sem	Crd.	Coef.	Main Session				Crd	Re-sit Session	
					Practicum	CA	Exam	Average /20		EXR	Average /20
Mathematics 1	Algebra 1 Analysis 1	S1	4.00	2.00	****	14.00	19.50	17.85	8.0 V		
			4.00	2.00	****	17.50	18.50	18.20			
Physics 1	Optics General Mechanics	S1	3.00	1.50	17.39	18.50	17.50	17.72	6.0 V		
			3.00	1.50	****	17.00	18.00	17.70			
Electricity	Electrostatics – Magnetostatics Electrical Circuits	S1	3.00	1.50	17.39	18.00	11.50	14.60	6.0 V		
			3.00	1.50	17.39	19.00	17.00	17.60			
Informatics 1	Algorithms and Data Structure Programming Workshop 1	S1	3.00	1.50	****	16.50	18.00	17.55	6.0 V		
			3.00	1.50	15.50	****	17.00	16.25			
Languages	English 1 French 1	S1	2.00	1.00	****	17.00	16.50	16.65	4.0 V		
			2.00	1.00	****	10.00	13.25	12.28			
Mathematics 2	Analysis 2 Algebra 2	S2	4.00	2.00	****	15.50	19.00	17.95	8.0 V		
			4.00	2.00	****	16.00	17.50	17.05			
Physics 2	Electromagnetism Quantum Physics	S2	3.00	1.50	****	15.50	10.00	11.65	5.0 V		
			2.00	1.00	****	19.00	20.00	19.70			
Informatics 2	Algorithms, Data Structure and Complexity Programming Workshop 2	S2	3.00	1.50	****	14.00	12.00	12.60	5.0 V		
			2.00	1.00	17.00	****	18.50	17.75			
Materials	Electronics Logical Systems	S2	2.00	1.00	17.25	14.00	17.00	16.31	6.0 V		
			4.00	2.00	15.00	17.00	15.50	15.75			
Languages and Digital Culture	English 2 French 2 Culture and Digital Skills	S2	2.00	1.00	****	15.00	15.00	15.00	6.0 V		
			2.00	1.00	****	13.00	13.00	13.00			
			2.00	1.00	16.50	****		16.50			
Total			60.00	30.00				489.33			

Main Session	Annual	16.31	Credits	60.00
Re-sit Session	Average			

Done in TUNIS, on June 17<sup>th</sup>, 2022

The Dean

Pr. Noureddine AMDOUNI

(Handwritten Signature)

Seal: Ministry of Higher Education and Scientific Research

University of Tunis El Manar

Faculty of Sciences of Tunis

The Dean

Board of Examiners' Decision: ADMITTED

With the Distinction: WITH HIGHEST HONOURS

Nature: S1: Semester 1; S2: Semester; An: Annual; EU: Educational Unit; Ns: Optional Module not selected  
 "exem.": Exempted "V": Validated Educational Unit "N": Non Validated Educational Unit

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