

# Semester 1

Teaching Unit	Subjects	Credits	Coefficient	Lectures	Tutorials	Practical Work	Total Hours	Assessment Method
Core Unit 1	Analysis 1	6	3	1h 30m	3h	-	س 67 د30	40% Continuous Assessment + 60% Exam
	Algebra 1	4	2	1h 30m	س 1د30	-	س45	40% Continuous Assessment + 60% Exam
Core Unit 2	Elements of chemistry (structure of matter)	7	4	1h 30m	3h	1h 30m	س90	40% Continuous Assessment + 60% Exam
	Elements of Mechanics (Physics 1)	7	4	1h 30m	3h	1h 30m	س90	40% Continuous Assessment + 60% Exam
Methodological Unit	Probability and Statistics	2	2	1h 30m	1h 30m	-	س45	40% Continuous Assessment + 60% Exam
	Computer architecture and its applications	2	2	-	-	3h	س45	100% Continuous Assessment
Exploratory Unit	Moral and duty dimension (foundations)	1	1	1h 30m	-	-	22h 30m	100% Continuous Assessment
	Foreign Language 1 (French or English)	1	1	-	1h 30m	-	22h 30m	100% Continuous Assessment
Total for Semester 1		<b>30</b>	<b>19</b>	<b>9H</b>	<b>13H</b>	<b>6H</b>	<b>427H 30M</b>	

## Semester 2

Teaching Unit	Subjects	Credits	Coefficient	Lectures	Tutorials	Practical Work	Total Hours	Assessment Method
Core Unit 1	Analysis 2	6	3	1h 30m	3h	-	67h 30m	40% Continuous Assessment + 60% Exam
	Algebra 2	4	2	1h 30m	1h 30m	-	45h	40% Continuous Assessment + 60% Exam
Core Unit 2	Electricity and Magnetism (Physics 2)	7	4	1h 30m	3h	1h 30m	90h	40% Continuous Assessment + 60% Exam
	Thermodynamics	7	4	1h 30m	3h	1h 30m	90h	40% Continuous Assessment + 60% Exam
Methodological Unit	technical drawing	2	2			3h	45h	100% Continuous Assessment
	Programming (Computer Science 2)	2	2	-	-	3h	45h	100% Continuous Assessment
Exploratory Unit	Engineering professions	1	1	1h 30m	-	-	22h 30m	100% Exam
	Foreign Language 1 (French or English)	1	1	-	1h 30m	-	22h 30m	100% Continuous Assessment
<b>Total for Semester 2</b>		<b>30</b>	<b>19</b>	<b>9h</b>	<b>13 H</b>	<b>6h</b>	<b>427 h</b>	

## Semester 3

Teaching Unit	Subjects	Credits	Coefficient	Lectures	Tutorials	Practical Work	Total Hours	Assessment Method
Core Unit 1	Analysis 3	6	3	1h 30m	3h	-	67h 30m	40% Continuous Assessment + 60% Exam
	Numerical Analysis 1	5	3	1h 30m	1h 30m	-	45h	40% Continuous Assessment + 60% Exam
Core Unit 2	Waves and vibrations	5	3	1h 30m	1h 30m	1h 30m	67h 30m	40% Continuous Assessment + 60% Exam
	Fluid Mechanics	5	3	1h 30m	1h 30m	1h 30m	67h 30m	40% Continuous Assessment + 60% Exam
	rational mechanics	4	2	1h 30m	1h 30m	-	45h	40% Continuous Assessment + 60% Exam
Methodological Unit	Computer Science 3 (MATLAB)	2	2	1h 30m		1h 30m	45h	40% Continuous Assessment + 60% Exam
	Computer-aided design	1	1	-	-	1h 30m	22h 30m	100% Continuous Assessment
Exploratory Unit	Engineering professions	1	1	1h 30m	-	-	22h 30m	100% Exam
	Technical English	2	2	-	1h 30m	-	22h 30m	100% Continuous Assessment
Total for Semester 3		<b>30</b>	<b>19</b>	<b>9h</b>	<b>12h</b>	<b>7h 30 m</b>	<b>427 h</b>	

## Semester 4

Teaching Unit	Subjects	Credits	Coefficient	Lectures	Tutorials	Practical Work	Total Hours	Assessment Method
Core Unit 1	material resistance	5	3	1h 30m	1h 30m	1h 30m	67h 30 m	40% Continuous Assessment + 60% Exam
	Numerical Analysis 2	5	3	1h 30m	1h 30m	1h 30m	67h 30m	40% Continuous Assessment + 60% Exam
Core Unit 2	basic electronics	4	2	1h 30m	1h 30m	-	45h	40% Continuous Assessment + 60% Exam
	basic electricity	4	2	1h 30m	1h 30m	-	45h	40% Continuous Assessment + 60% Exam
	signal theory	4	2	1h 30m	1h 30m	-	45h	40% Continuous Assessment + 60% Exam
Methodological Unit	Measurement and Standards	3	2	1h 30m		1h 30m	45h	40% Continuous Assessment + 60% Exam
	Computer Science 4	2	2	1h 30m		1h 30m	45 h	40% Continuous Assessment + 60% Exam
	Computer-aided design	2	2			3h	45 h	100% Continuous Assessment
Exploratory Unit	Expression, information and communication techniques	1	1	-	1h 30m	-	22h 30m	100% Continuous Assessment
Total for Semester 3		<b>30</b>	<b>19</b>	<b>10H</b>	<b>9H</b>	<b>9H</b>	<b>427H</b>	