NEAR EAST UNIVERSITY

DEPARTMENT OF Automotive Engineering

Course and Program Outcomes Matrix

2021-2022

4.5. ***Grading scheme, grade translation and grade distribution guidance:***

For each course taken, the student is assigned one of the following grades by the course teacher.

For A.Sc., B.Sc. or B.A. degrees, students must obtain at least DD or S from each course and have a GGPA of not less than 2.00 out of 4.00 and have completed all the courses and summer practices in the program. For graduate degrees, students must obtain at least CC or S from each course for M.Sc. and M.A., at least BB for Ph.D. They also need to have a GCPA of 3.00 to graduate. The student's standing is calculated in the form of a Graduate Point Average (GPA) and Cumulative Grade Point (CGPA) and is announced at the end of each semester by the Registrar's Office. The total credit points for a course are obtained by multiplying the coefficient of the final grade by the credit hours. In order to obtain the GPA for any given semester, the total credit points are divided by the total credit hours. The averages are given up to two decimal points. Students who obtain a CGPA of 3.00-3.49 at the end of a semester are considered as "Honour Students" and those who obtain a CGPA of 3.50-4.00 at the end of a semester are considered as "High Honour Students" and this is recorded in their academic report. The letter grades, the quality point equivalents are:

Percentage	**Course Coefficient**	**Grade**	**Percentage**	**Course Coefficient**	**Grade**
90-100	4	AA	70-74	2	CC
85-89	3.5	BA	65-69	1.5	DC
80-84	3	BB	60-64	1	DD
75-79	2.5	CB	50-59	0.5	FD
0	FF		49 and below		

I- Incomplete **S**- Satisfactory Completion, **U**-Unsatisfactory, **NA**-Never Attended, **E**-Exempted, **W**–Withdrawn

4.6 ***Overall classification of the award*** CGPA: 2.00 /4.00

4.4. *Program details and the individual grade/marks obtained:*

1 (1th Semester)

Course Code	Course Name	CR	ECTS	Status	Grade
CHM 101	General Chemistry	4	6	Compulsory	
ENG 101	English I	3	5	Compulsory	
MTH 101	Calculus I	4	6	Compulsory	
PHY 101	General Physics I	3	5	Compulsory	
ECC 103	Engineering Drawing I	4	6	Compulsory	
AUE 100	Orientation	0	3	Compulsory	
YİT 100	Turkish for Foreign Students	0	1	Compulsory	
		18	32		

2 (2nd Semester)

Course Code	Course Name	CR	ECTS	Status	Grade
ECC 101	Intro. to Computer & Prog	3	6	Compulsory	
ENG 102	English II	3	6	Compulsory	
MTH 102	Calculus II	4	6	Compulsory	
PHY 102	General Physics II	3	5	Compulsory	
ECC 013	Engineering Drawing II	4	6	Compulsory	
		17	29		

3 (3rd Semester)

Course Code	Course Name	CR	ECTS	Status	Grade
ECC 206	Statics	4	5	Compulsory	
ECC 207	Thermodynamics I	4	5	Compulsory	
ECC 211	Engineering Materials	4	6	Compulsory	
ENG 201	English Communication Skills	3	5	Compulsory	
MTH 201	Differential Equations	4	6	Compulsory	
NTE	Non-Technical Electives	3	5	Non Technical Elective	
		22	32		

4 (4th Semester)

Course Code	Course Name	CR	ECTS	Status	Grade
ECC 212	Dynamics	3	5	Compulsory	
ECC 208	Thermodynamics	3	6	Compulsory	
ECC 213	Sterngth of Materials	4	6	Compulsory	
ECC 209	Manufacturing Technology I	3	5	Compulsory	
AUE 205	Basic Electricity & Electronics	3	5	Compulsory	
MTH 214	Mathematics for Mech. Eng.	3	6	Compulsory	
AUE 200	Workshop Training	0	1	Compulsory	
		19	34		

5 (5th Semester)

Course Code	Course Name	CR	ECTS	Status	Grade
AUE 305	Intro. to Automotive Engineering	3	5	Compulsory	
ECC 304	Fluid Mechanics	4	6	Compulsory	
ECC 307	Machine Design I	4	6	Compulsory	
ECC 305	Manufacturing Technology II	3	5	Compulsory	
ECC 306	Heat Transfer	4	5	Compulsory	
		18	27		

6 (6th Semester)

Course Code	Course Name	CR	ECTS	Status	Grade
MTH 323	Numerical Analysis	3	6	Compulsory	
ECC 309	Theory of Machines I	4	5	Compulsory	
ECC 308	Machine Design II	4	6	Compulsory	
ECC 310	Control Systems	3	5	Compulsory	
AUE 306	Vehicle Component Design	3	5	Compulsory	
AUE 300	Industrial Training	0	3	Compulsory	
		17	30		

7 (7th Semester)

Course Code	Course Name	CR	ECTS	Status	Grade
AUE 401	Vehicle Dynamics	3	5	Compulsory	
AUE 403	Vehicle Body Design	3	5	Compulsory	
ECC 424	Exp. Analysis of Mech. Syst.	3	6	Compulsory	
ECC 425	Internal Combustion Engine	3	5	Compulsory	
TE 4xx	Technical Elective	3	5	T. Elective	
TE 4xx	Technical Elective	3	5	T. Elective	
		18	31		

8 (8th Semester)

Course Code	Course Name	CR	ECTS	Status	Grade
AUE 400	Graduation Project	4	12	Compulsory	
AUE 404	Vehicle Prod. Proc.& Systems	3	5	Compulsory	
TE 4xx	Technical Elective	3	5	T. Elective	
TE 4xx	Technical Elective	3	5	T. Elective	
RE 4xx	Restricted Elective	3	6	R. Elective	
		16	33		

TOTAL LOCAL CREDITS: 145 - ECTS:248 CGPA: