

Scheme of Studies - ATD for the Year - 2020 - 2021

FE - Fall Semester 2020 (Batch: 2020) Online				
Course Code	Course Title	Credit Hours		
		Th	Pr	Total
PH-122	Applied Physics	3	1	4
AU-113	Introduction to Automotive Systems	2	0	2
HS-104	Functional English	3	0	3
MT-114	Calculus	3	0	3
HS-105	Pakistan Studies	2	0	2
HS-127	Pakistan Studies for Foreign Students			
ME-104	Workshop Practice	0	2	2
Total		13	3	16

FE - Spring Semester 2021 (Batch: 2020)				
Course Code	Course Title	Credit Hours		
		Th	Pr	Total
ME-106	Statics	2	1	3
ME-112	Thermodynamics	3	0	3
AU-112	Engineering Drawing and Computer Graphics	2	1	3
EE-118	Basic Electricity and Electronics	3	1	4
CY-109	Applied Chemistry	3	1	4
HSK-I	Chinese Language	NC		
Total		13	4	17

SE - Fall Semester 2020 (Batch: 2019) Online				
Course Code	Course Title	Credit Hours		
		Th	Pr	Total
AU-201	Automotive Power Plants	3	1	4
AU-212	Computer Programming and Applications	2	1	3
AU-225	Fundamentals of Analogue and Digital Electronics	2	1	3
MT-223	Ordinary Differential Equations & Fourier Series	3	0	3
ME-209	Materials & Metallurgy	3	1	4
AU-203	Statistics & Quality Control	3	0	3
HSK-I	Chinese Language (Spring-2020 Course, Offered Now)	NC		
Total		16	4	20

SE - Spring Semester 2021 (Batch: 2019)				
Course Code	Course Title	Credit Hours		
		Th	Pr	Total
ME-213	Dynamics	2	1	3
ME-202	Solid Mechanics-1	3	1	4
AU-231	Manufacturing Engineering-I	3	0	3
AU-222	Automobile Instrumentation	2	1	3
ME-204	Fluid Mechanics-I	3	1	4
HS-205	Islamic Studies	2	0	2
HS-209	Ethical Behaviour			
HSK-II	Chinese Language	NC		
Total		15	4	19

TE - Fall Semester 2020 (Batch: 2018) Online				
Course Code	Course Title	Credit Hours		
		Th	Pr	Total
AU-313	Combustion, Emission and Pollution	3	0	3
AU-311	Manufacturing Engineering-II	3	1	4
ME-313	Solid Mechanics-II	3	0	3
MT-332	Advanced Calculus & Linear Algebra	3	0	3
HS-304	Business Communication & Ethics	3	0	3
AU-314	Vehicle Dynamics	2	0	2
Total		17	1	18

TE - Spring Semester 2021 (Batch: 2018)				
Course Code	Course Title	Credit Hours		
		Th	Pr	Total
AU-315	Design of Machine Elements	3	0	3
MT-442	Numerical Methods	3	0	3
ME-314	Fluid Mechanics-II	3	0	3
ME-306	Mechanical Vibrations	3	1	4
MF-303	Applied Economics for Engineers	3	0	3
Total		15	1	16

BE - Fall Semester 2020 (Batch: 2017) Online				
Course Code	Course Title	Credit Hours		
		Th	Pr	Total
AU-415	Vehicle Design	2	0	2
AU-416	Mechatronics	3	1	4
AU-###	Elective Course (AU-433 AHS)	3	0	3
ME-315	Heat & Mass Transfer	3	1	4
AU-442	FEM and FVM: Applications in Automotive Engineering	2	1	3
AU-499	Automotive Engineering Project	0	0	0
Total		13	3	16

BE - Spring Semester 2021 (Batch: 2017)				
Course Code	Course Title	Credit Hours		
		Th	Pr	Total
AU-431	Vehicle Thermal Management	3	0	3
AU-422	Automotive Transmission & Drives	2	0	2
AU-441	Product Development and Operations Management	2	0	2
AU-499	Automotive Engineering Project	0	6	6
MG-481	Entrepreneurship	3	0	3
Total		10	6	16

Total Chr		59	11	70
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Total Chr		53	15	68
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Proposed Elective Courses	
AU-423	Body Engineering and Automotive Structure
AU-433	Automotive Health Safety and Environment
AU-444	Hybrid Vehicles & Drives
AU-417	Automotive Paints and Coatings

G - Total Chr		112	26	138
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