

Amrita School of Engineering

Amritapuri Campus

(Dept. of Mechanical Engineering)

Course Book 2019-2020 ODD Semester

S3 ME A					
Cat	Code	Title	L T P	Cr	ES
ENGG	15MEC201	Engineering Thermodynamics	3 0 0	3	A
ENGG	15MEC202	Machine Drawing	2 0 2	3	C
ENGG	15MEC203	Material Science & Metallurgy	3 0 0	3	D
ENGG	15MEC204	Mechanics of Solids	3 0 0	3	E
ENGG	15EEE205	Electrical & Electronics Engineering	3 0 2	4	G
SCI	15MAT204	Transforms & Partial Differential Equations	2 1 0	3	B
		Humanities Elective I		2	H
HUM	15HUM242	The Message of Bhagavad Gita			
	15CUL230	Achieving Excellence in Life – An Indian Perspective			
	15CUL233	Yoga Psychology			
	15HUM243	The Message of the Upanishads			
	15HUM233	Glimpses of Indian Economy and Polity			
	15HUM245	Service Learning			
	15SAN101	Sanskrit I			
	15MAL101	Malayalam I			
	15ENG230	Business Communication	1 0 2		
	15FRE230	Proficiency in French Language (Lower)	1 0 2		
	15GER232	Proficiency in German Language (Lower)	1 0 2		
	15JAP230	Proficiency in Japanese Language (Lower)	1 0 2		
	15ENG234	Indian Short Stories in English	1 0 2		
ENGG	15MEC281	Material Testing & MetallurgyLab	0 0 2	1	L1
HUM	15AVP201	Amrita Values Programme I	1 0 0	1	F
		Total		23	

S3 ME B

Cat	Code	Title	L T P	Cr	ES
ENGG	15MEC201	Engineering Thermodynamics	3 0 0	3	A
ENGG	15MEC202	Machine Drawing	2 0 2	3	C
ENGG	15MEC203	Material Science & Metallurgy	3 0 0	3	D
ENGG	15MEC204	Mechanics of Solids	3 0 0	3	E
ENGG	15EEE205	Electrical & Electronics Engineering	3 0 2	4	G
SCI	15MAT204	Transforms & Partial Differential Equations	2 1 0	3	B
HUM	Humanities Elective I			2	H
ENGG	15MEC281	Material Testing & Metallurgy Lab	0 0 2	1	L1
HUM	15AVP201	Amrita Values Programme I	1 0 0	1	F
		Total		23	

S5 ME A

Cat	Code	Title	L T P	Cr	ES
ENGG	15MEC301	Design of Machine Elements I	3 0 0	3	A
ENGG	15MEC302	Dynamics of Machines	3 0 0	3	C
ENGG	15MEC303	Heat Power Engineering	3 0 0	3	D
ENGG	15MEC304	Manufacturing Process II	3 0 0	3	F
SCI	15MAT302	Numerical Methods	2 0 2	3	B
ENGG	Elective II		3 0 0	3	
	15MEC265	Advanced Welding Technology			
	15MEC234	Design for Manufacture and Assembly			
	15MEC271	Non-Destructive Testing			
	15MEC257	Renewable Sources of Energy			
	15MEC238	Micro-Electro Mechanical Systems			
ENGG	15MEC381	Manufacturing Process Lab	0 0 2	1	L1
ENGG	15MEC382	Thermal Science Lab	0 0 2	1	L2
HUM	15SSK321	Soft Skills II	1 0 2	2	G
ENGG	15LIV390	Live in Lab		[3]	P2
		Total		22 [+3]	

S5 ME B

Cat	Code	Title	L T P	Cr	ES
ENGG	15MEC301	Design of Machine Elements I	3 0 0	3	A
ENGG	15MEC302	Dynamics of Machines	3 0 0	3	C
ENGG	15MEC303	Heat Power Engineering	3 0 0	3	D
ENGG	15MEC304	Manufacturing Process II	3 0 0	3	F
SCI	15MAT302	Numerical Methods	2 0 2	3	B
ENGG	Elective II		3 0 0	3	
	15MEC265	Advanced Welding Technology			
	15MEC234	Design for Manufacture and Assembly			
	15MEC271	Non-Destructive Testing			
	15MEC257	Renewable Sources of Energy			
	15MEC238	Micro-Electro Mechanical Systems			
ENGG	15MEC381	Manufacturing Process Lab	0 0 2	1	L1
ENGG	15MEC382	Thermal Science Lab	0 0 2	1	L2
HUM	15SSK321	Soft Skills II	1 0 2	2	G
ENGG	15LIV390	Live in Lab		[3]	P2
		Total		22 [+3]	

S7 ME A

Cat	Code	Title	L T P	Cr	ES
ENGG	15MEC401	Advanced Fluid Mechanics	3 0 0	3	A
ENGG	15MEC402	Control Engineering	3 0 0	3	B
ENGG	15MEC403	Industrial Robotics	3 0 0	3	C
ENGG	15MEC404	Mechanical Vibrations	3 0 0	3	F
HUM	15ENV300	Environmental Science and Sustainability	3 0 0	3	D
ENGG	Elective IV		3 0 0	3	
	15MEC256	Refrigeration and Air Conditioning			
	15MEC261	Advanced Casting Technology			
	15MEC266	CNC Machines			
ENGG	15MEC481	CIM Lab	0 0 2	1	L1
ENGG	15MEC482	Machine Dynamics & Control Lab	0 0 2	1	L2
PRJ	15MEC495	Project Phase I		2	P1
ENGG	15LIV490	Live-in-Lab		[3]	P2
		Total		22 [+3]	

S7 ME B

Cat	Code	Title	L T P	Cr	ES
ENGG	15MEC401	Advanced Fluid Mechanics	3 0 0	3	A
ENGG	15MEC402	Control Engineering	3 0 0	3	B
ENGG	15MEC403	Industrial Robotics	3 0 0	3	C
ENGG	15MEC404	Mechanical Vibrations	3 0 0	3	F
HUM	15ENV300	Environmental Science and Sustainability	3 0 0	3	D
ENGG	Elective IV		3 0 0	3	
	15MEC256	Refrigeration and Air Conditioning			
	15MEC261	Advanced Casting Technology			
	15MEC266	CNC Machines			
ENGG	15MEC481	CIM Lab	0 0 2	1	L1
ENGG	15MEC482	Machine Dynamics & Control Lab	0 0 2	1	L2
PRJ	15MEC495	Project Phase I		2	P1
ENGG	15LIV490	Live-in-Lab		[3]	P2
		Total		22 [+3]	