

New MANAGEMENT ENGINEERING Curriculum - starting from Spring 2016-2017

Yr.	Sem.	Ref Code	Course Code	Full Course Title	Course Category	Credit				Prerequisite	Department Council Decision	EMU TOTAL	ECTS
						Lec	Lab	Tut	Total				
1	1	2C711	CHEM101	General Chemistry	AC	4	1	0	4			19	6
		2C712	PHYS101	Physics – I	FC	4	1	0	4				6
		2C713	MATH151	Calculus – I	FC	4	0	1	4				6
		2C714	ENGL191	Communication in English - I	UC	3	0	1	3				5
		2C715	MANE112	Introduction to Management Engineering	AC	4	1	0	4				7
	2	2C721	HIST280/ TUSL181	History of Turkish Reforms /Turkish as a Second Language	UC	2	0	0	2			19	2
		2C722	MGMT101	Introduction to Business - I	AC	3	0	0	3				5
		2C723	PHYS102	Physics – II	FC	4	1	0	4	PHYS101			6
		2C724	MATH152	Calculus – II	FC	4	0	1	4	MATH151			6
		2C725	MATH163	Discrete Mathematics	AC	3	0	1	3				6
		2C726	ENGL192	Communication in English - II	UC	3	0	1	3	ENGL191			5
	2	3	2C731	MGMT102	Introduction to Business - II	AC	3	0	0	3			17
2C732			ECON231	Fundamentals of Economics	AC	3	0	1	3			4	
2C733			MATH241	Linear Algebra & Ordinary Differential Equ.s	AC	4	0	1	4	MATH151		6	
2C734			CMPE110	Fundamentals of Computing and Programming	UC	4	1	0	4			7	
2C735			MENG104	Engineering Graphics	AC	2	3	0	3			7	
2C739			MANE200	Industrial Training - I	AC	0	0	1	0	MANE112		1	
4		2C741	UE - I	Restricted UE - I (IENG355)	AC	3	0	0	3			18	4
		2C742	UE - II	UE - II (Soci./Psyc./Comm./Lang.)	UE	3	0	0	3				3
		2C743	MATH322	Probability and Statistical Methods	AC	3	0	1	3	MATH151			6
		2C744	ACCT203	Cost Accounting for Managerial Decision Making	AC	3	0	1	3				5
		2C745	MGMT202	Organizational Behavior	AC	3	0	0	3	MGMT102			5
		2C746	MANE212	Modeling and Optimization	AC	3	0	1	3		MATH241 (C)		7
3	5	2C751	MGMT303	Human Resources Management	AC	3	0	0	3	MGMT102		18	4
		2C752	MANE301	Fundamentals of Work Study and Ergonomics	AC	4	1	0	4		Submission of MANE200		7
		2C753	MANE313	Operations Research – I	AC	4	1	0	4	MANE212, MATH241			6
		2C754	MANE323	Engineering Economy	AC	4	1	0	4				7
		2C755	MANE385	Statistical Applications in Engineering	AC	3	0	1	3		MATH322 (C)		5
		2C759	MANE300	Industrial Training – II	AC	0	0	1	0		MANE200 (C), Completion of all freshman courses		1
	6	2C761	MRKT301	Marketing	AC	3	0	0	3			19	4
		2C762	MANE314	Operations Research – II	AC	4	1	0	4	MATH322	MANE313 (C)		6
		2C763	MANE332	Production Planning – I	AC	4	1	0	4	MANE212, MATH322			6
		2C764	MANE372	Information Systems and Technology	AC	4	1	0	4	MGMT102			7
		2C765	MANE461	Systems Modeling and Simulation	AC	4	1	0	4	MATH322	MANE385 (C)		7
	4	7	2C771	MGMT424	Business Policy	AC	3	0	0	3			19
2C772			AE I	Area Elective - I	AE	3	0	1	3			4	
2C773			MANE431	Production Planning - II	AC	4	1	0	4	MANE332		6	
2C774			MANE441	Facilities Planning and Design	AC	4	1	0	4	MANE301	MANE332 (C)	7	
2C775			MANE484	Quality Engineering	AC	4	1	0	4	MATH322, MANE385		6	
2C776			MANE490	Introduction to Manufacturing and Service Systems Design	FC	1	0	1	1		MANE300 (C), one semester prior to MANE492	3	
2C779			MANE400	Industrial Training – III	AC	0	0	1	0	DC*	MANE300 (C), 3 out of 5	1	
8		2C781	ECON441	Managerial Economics	AC	3	0	0	3			15	4
		2C782	UE - III	University Elective – III	UE	3	0	0	3				3
		2C783	AE II	Area Elective - II	AE	3	0	1	3				6
		2C784	AE III	Area Elective - III	AE	3	0	1	3				6
		2C785	MANE492	Manufacturing and Service Systems Design Project	FC	3	0	1	3	MANE490, DC**	MANE400 (C), MANE441 (C), 3 out of 5 for the last/5 out of 5 before the last semester		8
2C789	MANE444	Seminars on Manufacturing and Service Systems	AC	2	0	0	0		in the last Spring semester before graduation	1			

47 Courses

144

144 240

(*): Submission of MANE300 report is sufficient. MANE301, MANE313, MANE323, MANE332, MANE372

(**): Submission of MANE400 report is sufficient. MANE314, MANE323, MANE372, MANE431, MANE461