



Learning materials list

Mechanical Engineering year 1
MEI-S1, MEI-S2
2024-2025
May 2024

BOOKS									
Title	Edition	Author	Publisher	ISBN	Inducative Price	Purchase	MEI- S1	MEI- S2	Fontys library
Fundamentals of Thermal-Fluid Sciences (SI Units)	6e	Cengel, Y.	McGraw-Hill	9781260597585	77,42	yes	MECEP1	MEBEP2I	
Manual of Engineering Drawing: British and International Standards	5e	Simmons, Colin H. Maguire, Dennis E. Phelps, Neil	Elsevier	9780128184820	48,99	yes	MEBCAD		
Manufacturing Engineering and Technology	8	Kalpakjian, S. - e.a.	Pearson	9781292422244	62,72	If Necessary	MEB M1		
NX 2212 for beginners		Tutorial Books	Tutorial Books	9788196053994	74,99	yes	MEBCAD		
Report writing for readers with little time	1e	Elling, R.	Noordhoff uitgevers	9789001812591	73,95	If Necessary	MEDPP2	MECPP3	X
Statics and Mechanics of Materials in SI units	5e	Hibbeler, R.	Pearson	9781292177915	68,99	yes	MECCM1	MEACM2	
HARDWARE									
(Arduino) UNO + USB kabel		-	Fontys Engineering Storeroom		10,50 *	yes		MECMR1	
Geo triangle		N/A	N/A			yes	MEBW11	MEBW12	
Non-graphical calculator: Casio FX-82-MS or FX-82-NL		N/A	N/A		16,00	yes	MEBW11	MEBW12	
Arduinokit WTB		n.v.t.	Fontys Engineering Storeroom		6,00 *	yes		MECMR1	
Work shoes (safety shoes)		Safety Class S3	n.v.t.		30,00-140,00	yes			
READERS (available through Canvas)									
Practical Session Production Engineering Physical Joining Technology & Sheet Metal Forming		Lammers, J.				N/A	MECP PR		
Practical Session Production technique Manual Machining Techniques		Bruininx, C. - e.a.				N/A	MECP PR		
Pumps, theory and application		Paassen, K. van				N/A		MEBE P2I	
Workbook Mathematics 11T/IT1		Verkerk, W.J. - e.a.				N/A	MEBW 11		
Workbook Mathematics 12T/IT2		Verkerk, W.J. - e.a.				N/A	MEBW 11		
Workbook Mathematics 2T1/2T1		Verkerk, W.J. - e.a.				N/A		MEBW 12	
Workbook Mathematics 2T2/2T2		Verkerk, W.J. - e.a.				N/A		MEBW 12	
Status concerning purchase yes/no yes = required (necessary purchase) no = purchase in consultation with teacher (in class) The prices of books and readers are indicative prices. Materials indicated 'Fontys' as publisher, can be purchased at Fontys as from lesson week 1. * subject to change Fontys library = online available If necessary = after consulting the lecturer					Laptop A laptop is compulsory for your study. You will find the required specifications for the laptop on the "Fresh at Fontys" site.				
Study MEI-S1 = Mechanical Engineering year 1 MEI-S2 = Mechanical Engineering year 1					Fresh at Fontys Bibliotheek Fontys				