



2023-2024

Learning materials list

Mechanical Engineering Februari year 1
MEI-S1, MEI-S2
13-10-2023

BOOKS								
Title	Edition	Author	Publisher	ISBN	Indicative Price	Purchase	MEI- S1	MEI- S2
Fundamentals of Thermal-Fluid Sciences (SI Units)	6e	Cengel, Y.	McGraw-Hill	9781260597585	77,42	yes	MECE P1	MEBE P21
Manual of Engineering Drawing: British and International Standards	5e	Simmons, Colin H. Maguire, Dennis E. Phelps, Neil	Elsevier	9780128184820	48,99	yes	MEBC AD	
Manufacturing Engineering and Technology	8	Kalpakjian, S. - e.a.	Pearson	9781292422244	62,72	yes	MEBP M1	
NX 2021 for beginners		Tutorial Books	Tutorial Books	9788194952138	37,32	yes	MEBC AD	
Report writing for readers with little time (Engels)	1e	Elling, R.	Noordhoff uitgevers	9789001812591	70,03	yes	MEDP P2	MECP P3
Statics and Mechanics of Materials in SI units	5e	Hibbeler, R.	Pearson	9781292177915	68,99	yes	MECC M1	MEAC M2
HARDWARE								
Arduino UNO + USB kabel		-	Fontys Engineering Storeroom		25,00	yes		MECM R1
Geo triangle		N/A	N/A			yes	MEBW I1	MEBW I2
Non-graphical calculator: Casio FX-82-MS or FX-82-NL		N/A	N/A		16,00	yes	MEBW I1	MEBW I2
Small consumables (electrical components)		n.v.t.	Fontys Engineering Storeroom		10,00	yes		MECM R1
Work shoes (safety shoes)		Safety Class S3	Through Teacher		53,24	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 P21
Workbook Mathematics 11T/1T1		Verkerk, WJ. - e.a.				N/A	MEBW I1	
Workbook Mathematics 12T/1T2		Verkerk, WJ. - e.a.				N/A	MEBW I1	
Workbook Mathematics 21T/2T1		Verkerk, WJ. - e.a.				N/A		MEBV I2
Workbook Mathematics 22T/2T2		Verkerk, WJ. - e.a.				N/A		MEBV I2
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. DLO= Digital Learning Environment				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				