



2023-2024

Learning materials list

Mechanical Engineering year I
MEI-S1, MEI-S2
Mei 2023

BOOKS

Title	Edition	Author	Publisher	ISBN	Inducative Price	Purchase	MEI- S1	MEI- S2
Design handbook	1e	Zeiler, W.	Noordhoff uitgevers	9789001888060	58,95	yes	MEDPP2	MECP P3
Fundamentals of Thermal-Fluid Sciences (SI Units)	5e (jun 2020)	Cengel, Y.	McGraw-Hill	9789813310094	65,31	yes	MECE P1	MEBE P21
Manual of Engineering Drawing: British and International Standards	5e	Simmons, Colin H. Maguire, Dennis E. Phelps, Neil	Butterworth-Heinemann	9780128184820	63,21	yes	MEBC AD	
Manufacturing Engineering and Technology	8	Kalpakjian, S. - e.a.	Pearson	9781292422244	68,31	yes	MEBP M1	
NX 2021 for beginners	2021	Tutorial Books	amazon.de of amazon.nl, prijzen zijn verschillend	9798715703743	40,00	yes	MEBC AD	
Report writing for readers with little time (Engels)	1e	Elling, R.	Noordhoff uitgevers	9789001812591	56,95	yes	MEDP P2	MECP P3
Statics and Mechanics of Materials in SI units	5e	Hibbeler, R.	Pearson	9781292177915	79,38	yes	MECC M1	MEAC M2

HARDWARE

Arduino UNO + USB kabel		-	Fontys Engineering Storeroom		23,00	yes		MECM R1
Geo triangle		n.v.t.	n.v.t.			yes	MEBW I1	MEBW I2
Non-graphical calculator: Casio FX-82-MS		n/a	n/a			yes	MEBW I1	MEBW I2
Small consumables (electrical components)		n.v.t.	Fontys Engineering Storeroom		7,00	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.				yes	MECP PR	
Practical Session Production technique Manual Machining Techniques		Bruininx, C. - e.a.				yes	MECP PR	
Pumps, theory and application		Paassen, K. van				yes		MEBE P21
Workbook Mathematics 11T/1T1		Verkerk, W.J. - e.a.				yes	MEBW I1	
Workbook Mathematics 12T/1T2		Verkerk, W.J. - e.a.				yes	MEBW I1	
Workbook Mathematics 21T/2T1		Verkerk, W.J. - e.a.				yes		MEBW I2
Workbook Mathematics 22T/2T2		Verkerk, W.J. - e.a.				yes		MEBW 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](#)