Impact of the new curriculum

INFORMATION FOR THIRD YEAR STUDENTS & OLDER, 8TH OF OCTOBER 2024

Academic Advisors



Department of Mechanical Engineering

New curriculum from 2023-24

- First year students who started the bachelor in September 2023 have a new curriculum
- Courses and content of their program stay the same for the largest part
- Most important changes of the new program:
 - Some basic courses will disappear or change in content
 - Introduction of a few new courses
 - Some current courses change in year, quartile or timeslot
 - USE learning lines disappear

What does this mean for me?

In principle you can continue the program you started.

However; the new curriculum might affect your planning since the old program is being phased out!

This very likely if you experienced study delay, but it can affect you as well if you're a nominal student.

What does this mean for me?

How big the impact of the new curriculum on your current curriculum is, depends on:

- Do you still need to **complete first-year or second year courses**?
- Did you still need to complete your **USE learning trajectory**?
- Do you still need to complete your **elective program**?

Let's take a look at the changes in curriculum.

Topics during this session;

Comparison old & new curriculum

New curriculum 2024-25: year 3

- Overview new courses
- Overview courses in different quartiles/year/timeslots
- What to do if you haven't passed a third year course?

Elective space & new curriculum

- USE learning trajectory
- Electives



New curriculum: year 1

2023-2024				
1.1	1.2	1.3	1.4	
2WBB0 (1) Calculus (A)	4CA10 (1) Principles of design and	4MA00 (1) Structure and properties of materials	4CA20 (2) Signals and Systems (D)	
	programming (C)	(C)		
Peletier	Remmers, Vrancken	van Dommelen, Govaert	Chong	
		(DA40.(4) later dention Transmith Discus (D)		
4RA00 (1) Mechanics (B)			0LVX10 (1) ITEC Ethics (E)	
Zakhari, van Breemen	Fey, Habets	Dam, Anthonissen	Spahn	
			4CBLA30 (1) CBL Energy storage and transport	
CBL truss structure (C+E)	mechanism (B+E)		(A+B)	
Anderson, Luttge	de Lange	Wang	Verhoosel	
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TU/e

New curriculum: year 1

2023-2024			
1.1	12	1.3	1.4
2WBB0 (1) Calculus (A)	4CA10 (1) Principles of design and	4MA00 (1) Structure and properties of materials	4CA20 (2) Signals and Systems (D)
	programming (C)	(C)	
Peletier	Remmers, Vrancken	van Dommelen, Govaert	Chong
4RA00 (1) Mechanics (B)	4DA00 (1) Dynamics (A)	4RA10 (1) Introduction Transport Phen. (D)	0LVX10 (1) ITEC Ethics (E)
Zakhari, van Breemen			Spahn
Zannan, van breemen	rey, nauelo	Dan, Antionissen	Spann
4CBLA00 (1) Intro mech. Engineering &	4CBLA10 (1) CBL Design of a Launching	4CBLA20 (1) CBL Multiped Robot (A+B)	4CBLASe (1) CBL Energy storage and transport
CBL truss structure (C+E)	mechanism (B+E)		(A+B)
Anderson, Luttge	de Lange	Wang	Verhoosel

Two new courses:

- 4CA10 Principles of design and programming
- OLVX10 ITEC Ethics

Can I take the new courses in year 1 as electives?

No, this is not allowed.

- 4CA10 *Principles of design and programming* has too much overlap with 4CC40 *Design Principles & Analysis of Production Systems* in year 3

- OLVX10 ITEC Ethics has too much overlap with OSIABO USE Base

New curriculum: year 1

2023-2024				
1.1	1.2	1.3	1.4	
2WBB0 (1) Calculus (A)	4CA10 (1) Principles of design and	4 AMA00 (1) Structure and properties of materials	4C Iz0 (2) Signals and Systems (D)	
		(C)		
Peletier	Remmers, Vrancken	van Dommelen, Govaert	Chong	
4RA00 (1) Mechanics (B)	4DA00 (1) Dynamics (A)	4RA10 (1) Introduction Transport Phen. (D)	0LVX10 (1) ITEC Ethics (E)	
Zakhari, van Breemen	Fey, Habets	Dam, Anthonissen	Spahn	
4CBLA00 (1) Intro mech. Engineering &	4CBLA10 (1) CBL Design of a Launching	4CBLA20 (1) CBL Multiped Robot (A+B)	4CBL 450 (1) CBL Energy storage and transport	
CBL truss structure (C+E)	mechanism (B+E)		(x +B)	
Anderson, Luttge	de Lange	Wang	Verhoosel	

Existing courses that have moved quartile/year:

- 4MA00 Structure and properties of materials from Q4 \rightarrow Q3
- 4CA20 Systems & Signals from year 2, Q1 \rightarrow year 1, Q4
- 4CBLA30 Energy storage and transport from year 1, Q1 \rightarrow year 1, Q4
- Elective course 4GA50 CBL Solar Heat from year 1, Q4 \rightarrow year 2, Q1

What about first year courses that I haven't passed?

- All transition arrangement can also be found on the Education Guide> Curriculum 2022/2023 and before
- **3NBBO** *Applied Natural Sciences:* student have received a possible transition arrangement from the Examination Committee
- **2IABO** *Data Analytics* can be replaced by **4CA10**
- If you haven't passed **OSABO** USE Base then you can follow OLVX10 ITEQ Ethics as a replacement course. Please note this course is taught in the same quartile but in a different timeslot.

What about first year courses that I haven't passed?

- 9 out of 12 first year courses remain in the new program, but some change in quartile (i.e. 4MA00) or timeslot (i.e. 4DA00).

You can simply retake the whole course again.

New curriculum 2024-25: year 2

2.1	2.2	2.3	2.4
4EB00 (2) Thermodynamics (C)	4DB00 (2) Dynamics & contol of mechanical	4MB00 (2) Solid Mechanics (C)	4PB00 (2) Heat and flow (E)
Smeulders	systems (E) James		Kuerten, Rindt
2DW10 (2) Statistics & Probability (D)	CBLB10 (2) CBL Sustainable Fuels: Plan A or	4CBLB20 (2) CBL Control of a flexible robo	4CBLW00 (2) Multidisciplinary CBL (C+D)
	B) (C+D)	system (C+E)	4CDEW00 (2) multidisciplinary CDE (C+D)
Mandal	somers	Hattum, Kunnen	van Esch
free elective	free elective	free elective	free elective
4CBLB00 (2) Solar Heat (A+B)	4MB10 (2) Material Models (A)	4CB40 (3) Control of Manufacturing Systems (B)	

Two new courses:

- 2DW10 Statistics & Probability
- 4CBLW00 Multidisciplinary CBL

Can I take the new courses in year 2 as electives?

2DW10 yes, 4CBLW00 no.

4CBLW00 *Multidisciplinary CBL* has too much overlap with 4WBB0 *Engineering Design*. (you can only take this course if it acts as a replacement course for 4WBB0)



What about second year courses that I haven't passed last year?

7 out of 8 major year 2 courses remain in the new program, but some change in quartile (ie. 4EB00), timeslot (ie. 4PB00) or change name/course code (4GB10 Combustion Engine becomes 4CBLB10 Sustainable Fuels: Plan A or B?)

You can simply retake the whole course again.

What about second year courses that I haven't passed last year?

- In case you haven't passed/followed **4WBB0** *Engineering Design* then you can follow **4CBLW00** *Multidisciplinary CBL* as a replacement course.

Please note this course is taught in a different quartile (Q4)!

Comparison old & new curriculum

Check out this overview on the education guide under "Curriculum start year 2022/2023 and before"

Changes from 2023-24	10	10	
1.1	1.2	1.3	1.4
2WBB0 (1) Calculus (A)	3NBB0 (1) Applied Natural sciences (A)	2IAB0 (1) Data analytics for engineers (A)	0SAB0 (1) USE Base (A)
Peletier	Duif	Sidorova	Spahn
	Course is no longer taught	Course is no longer taught	Course is no longer taught but students car
	Two re-sit opportunities given in 2023-24	Two re-sit opportunities given in 2023-24	take 0LVX10 (Q4) as a replacement course
4RA00 (1) Mechanics (B)	4DA00 (1) Dynamics (B)	4RA10 (1) Introduction Transport Phen. (D)	4MA00 (1) Structure and properties of mat.(
Hulsen, van Breemen	Fey, Habets	Dam. Anthonissen	van Dommelen, Govaert
			,
	Changes to timeslot A		Moves to Q3. timeslot C
4GA00 (1) Intro mech. Engineering	free elective	4GA40 (1) CBL Multiped Robot (B+E)	free elective
& DBL truss structure (C+E)	4GA10 (1) DBL Design of a Launching	Wang	4GA50 (1) DBL Solar Heat System (D+E)
	mechanism (D+E)		
Anderson, Luttge			
Course code changes to 4CBLA00	Course code changes to 4CBLA10 and	Course moves to timeslot A+B and course	Course not taught in 2024-25. Moves to Q1,
	timeslot changes to B+E	code changes to 4CBLA20	2024-25 & course code changes to 4CBLB0
Changes from 2024-25			
2.1	2.2	2.3	2.4
4WBB0 (2) Engineering Design (C)	4DB00 (2) Dyn & cont of mech systems (E)	4MB00 (2) Solid Mechanics (D)	4PB00 (2) Heat and flow (C)
van Esch	Murguia Rendon	Geers Kouznetsova	Kuerten, Rindt
	in a guid r tondon		
Course to an increase to which had a build and			1
Course is no longer taught but students			Maximum das Alexandras IV
can take 4CBLW00 (in Q4) as a replacemen	ч		Moves to timeslot E
course			
4CB00 (2) Signals and Systems (D)	4EB00 (2) Thermodynamics (C)	4GB10 (2) CBL Sustainable Fuels: Plan A or B?	4GB20 (2) CBL Robotarm (D+E)
		(C+E)	1
Chong	Smeulders	Somers	van de Molengraft
Moves to Q4. timeslot D: course code	Moves to Q1. timeslot C	Moves to Q2, timeslot C+D, course code	Moves to Q3, timeslot C+E, course code
changes to 4CA20		changes to 4CBLB10	changes to 4CBLB20
free elective/USE	free elective/USE	free elective/USE	free elective/USE
4GB00 (2) CBL Modeling of time			4LB00 (3) FSS1: Strength & Structure (A)
dependent systems (A+B)			
Moves to Q4, timeslot A+B and course			Course not taught in 2024-25
code changes to 4CBLA30			Moves to Q3 in 2025-26, timeslot A
Changes from 2025-26 (these are more like	ly to change as it's further into the future!)		
3.1	3.2	3.3	3.4
4MC10 (3) Computational mechanics (C)	4CC40 (3) Design principles & Analysis of	free elective/USE	free elective/USE
	production systems (C)		
Peerlings, van Brummelen			
Contrago, Van Drannolon	Vrancken, Reniers	4CC10 (3) HTSD 2: Mechatronic Design (C)	4DC00 (3) HTSD 3: Dynamics and control o
	Vrancken, Reniers	4CC10 (3) HTSD 2: Mechatronic Design (C) 3FTX0 (3) DES 2: Turbulence, waves &	Robotic systems (A)
ooninge, fan Brannioen	Vrancken, Reniers	3FTX0 (3) DES 2: Turbulence, waves &	Robotic systems (A)
•		3FTX0 (3) DES 2: Turbulence, waves & instabilities (A)	Robotic systems (A) 4BC00 (3) DES3: Chemically reacting flows
Moves to timeslot E	Course is no longer taught but students have	3FTX0 (3) DES 2: Turbulence, waves & instabilities (A) 4CC10 moves to Q3, timeslot C	Robotic systems (A) 4BC00 (3) DES3: Chemically reacting flows 4DC10 moves to Q3, timeslot D
Moves to timeslot E	Course is no longer taught but students have two re-sit opportunities in 2025-26	3FTX0 (3) DES 2: Turbulence, waves & instabilities (A) 4CC10 moves to Q3, timeslot C 3FTX0 changes are not known	Robotic systems (A) 4BC00 (3) DES3: Chemically reacting flows 4DC10 moves to Q3, timeslot D 4BC00 moves to Q1, timeslot A
Moves to timeslot E 4GC00 (3) CBL Comp. Aided Eng (B+D)	Course is no longer taught but students have two re-sit opportunities in 2025-26 4GC10 (3) CBL Mech. Design Project (B+D)	3FTX0 (3) DES 2: Turbulence, waves & Instabilities (A) 4CC10 moves to Q3, timeslot C 3FTX0 changes are not known free elective/USE	Robotic systems (A) 4BC00 (3) DES3: Chemically reacting flows 4DC10 moves to Q3, timeslot D 4BC00 moves to Q1, timeslot A free elective/USE
Moves to timeslot E 4GC00 (3) CBL Comp. Aided Eng (B+D)	Course is no longer taught but students have two re-sit opportunities in 2025-26	3FTX0 (3) DES 2: Turbulence, waves & instabilities (A) 4CC10 moves to Q3, timeslot C 3FTX0 changes are not known	Robotic systems (A) 4BC00 (3) DES3: Chemically reacting flows 4DC10 moves to Q3, timeslot D 4BC00 moves to Q1, timeslot A
Moves to timeslot E 4GC00 (3) CBL Comp. Aided Eng (B+D)	Course is no longer taught but students have two re-sit opportunities in 2025-26 4GC10 (3) CBL Mech. Design Project (B+D)	3FTX0 (3) DES 2: Turbulence, waves & Instabilities (A) 4CC10 moves to Q3, timeslot C 3FTX0 changes are not known free elective/USE	Robotic systems (A) 4BC00 (3) DES3: Chemically reacting flows 4DC10 moves to Q3, timeslot D 4BC00 moves to Q1, timeslot A free elective/USE
Moves to timeslot E 4GC00 (3) CBL Comp. Aided Eng (B+D)	Course is no longer taught but students have two re-sit opportunities in 2025-26 4GC10 (3) CBL Mech. Design Project (B+D)	3FTX0 (3) DES 2: Turbulence, waves & instabilities (A) 4CC10 moves to 03, timeslot C 3FTX0 changes are not known free elective/USE 4MC00 (3) FSS 2: Experimental & Numerical skills (E)	Robotic systems (A) 4BC00 (3) DES3: Chemically reacting flows 4DC10 moves to Q3, timeslot D 4BC00 moves to Q1, timeslot A free elective/USE
Moves to timeslot E 4GC00 (3) CBL Comp. Aided Eng (B+D)	Course is no longer taught but students have two re-sit opportunities in 2025-26 4GC10 (3) CBL Mech. Design Project (B+D)	3FTX0 (3) DES 2: Turbulence, waves & instabilities (A) 4CC10 moves to Q3, timeslot C 3FTX0 changes are not known free elective/USE 4MC00 (3) FSS: 2: Experimental & Numerical	Robotic systems (A) 4BC00 (3) DES3: Chemically reacting flows 4DC10 moves to Q3, timeslot D 4BC00 moves to Q1, timeslot A free elective/USE
Moves to timeslot E 4GC00 (3) CBL Comp. Aided Eng (B+D)	Course is no longer taught but students have two re-sit opportunities in 2025-26 4GC10 (3) CBL Mech. Design Project (B+D)	3FTX0 (3) DES 2: Turbulence, waves & instabilities (A) 4Cc10 moves to Q3, timeslot C 3FTX0 changes are not known free elective/USE 4MC00 (3) FSS: 2: Experimental & Numerical skills (E) 4Ec10 (3) DES: 2 Dynamics of energy systems	Robotic systems (A) 4BC00 (3) DES3: Chemically reacting flows 4DC10 moves to Q3, timeslot D 4BC00 moves to Q1, timeslot A free elective/USE
Woves to timeslot E IGC00 (3) CBL Comp. Aided Eng (B+D) Rokos	Course is no longer taught but students have two re-sit opportunities in 2025-26 4GC10 (3) CBL Mech. Design Project (B+D) Etman	JFTX0 (3) DES 2: Turbulence, waves & Instabilities (A) ACC10 moves to Q3, timeslot C JFTX0 changes are not known Tree elective/USE AMC00 (3) FSS: 2: Experimental & Numerical skills (E) 4EC10 (3) DES: 2 Dynamics of energy systems (A)	Robotic systems (A) 4BC00 (3) DES3: Chemically reacting flows 4DC10 moves to Q3, timeslot D 4BC00 moves to Q1, timeslot A free elective/USE
Moves to timeslot E 4GC00 (3) CBL Comp. Aided Eng (B+D) Rokos Moves to Q2, timeslot A+B and course	Course is no longer taught but students have two re-sit opportunities in 2025-26 4GC10 (3) CBL Mech. Design Project (B+D) Etman Moves to Q4, timeslot D+E and course code	3FTX0 (3) DES 2: Turbulence, waves & instabilities (A) 4CC10 moves to Q3, timeslot C 3FTX0 changes are not known free elective/USE 4MC00 (3) FSS: 2: Experimental & Numerical skills (E) 4EC10 (3) DES: 2 Dynamics of energy systems (A) 4MC00 is no longer taught	Robotic systems (A) 4BC00 (3) DES3: Chemically reacting flows 4DC10 moves to Q3, timeslot D 4BC00 moves to Q1, timeslot A free elective/USE
Moves to timeslot E 4GC00 (3) CBL Comp. Aided Eng (B+D) Rokos Moves to Q2, timeslot A+B and course code changes to 4CBLC20	Course is no longer taught but students have two re-sit opportunities in 2025-26 4GC10 (3) CBL Mech. Design Project (B+D) <i>Etman</i> Moves to Q4, timesiot D+E and course code changes to 4CBLC30	3FTX0 (3) DES 2: Turbulence, waves & instabilities (A) 4CC10 moves to Q3, timeslot C 3FTX0 changes are not known free elective/USE 4MC00 (3) FSS: 2: Experimental & Numerical skills (E) 4EC10 (3) DES: 2 Dynamics of energy systems (A) 4MC00 is no longer taught 4EC10 moves to Q2, timeslot A	Robotic systems (A) 48C00 (3) DE33: Chemically reacting flows 4DC10 moves to Q3, timeslot D 48C00 moves to Q1, timeslot A free elective/USE 4RC00 (3) FSS 3: Flow and structure (E)
Moves to timeslot E 4GC00 (3) CBL Comp. Aided Eng (B+D) Rokos Moves to Q2, timeslot A+B and course code changes to 4CBLC20 free elective/USE	Course is no longer taught but students have two re-sit opportunities in 2025-26 4GC10 (3) CBL Mech. Design Project (B+D) Etman Moves to Q4, timesiot D+E and course code changes to 4CBLC30 free elective/USE	3FTX0 (3) DES 2: Turbulence, waves & instabilities (A) 4CC10 moves to Q3, timeslot C 3FTX0 changes are not known free elective/USE 4MC00 (3) FSS: 2: Experimental & Numerical skills (E) 4EC10 (3) DES: 2 Dynamics of energy systems (A) 4MC00 is no longer taught	Robotic systems (A) 4BC00 (3) DES3: Chemically reacting flows 4DC10 moves to Q3, timeslot D 4BC00 moves to Q1, timeslot A free elective/USE
Moves to timeslot E 4GC00 (3) CBL Comp. Aided Eng (B+D) Rokos Moves to Q2, timeslot A+B and course code changes to 4CBLC20 free elective/USE 4TC00 (2) HTSD 1: Model-based systems	Course is no longer taught but students have two re-sit opportunities in 2025-26 4GC10 (3) CBL Mech. Design Project (B+D) <i>Etman</i> Moves to Q4, timesiot D+E and course code changes to 4CBLC30 free elective/USE 4PCC0 (3) DES 1: Thermal and fluid	3FTX0 (3) DES 2: Turbulence, waves & instabilities (A) 4CC10 moves to Q3, timeslot C 3FTX0 changes are not known free elective/USE 4MC00 (3) FSS: 2: Experimental & Numerical skills (E) 4EC10 (3) DES: 2 Dynamics of energy systems (A) 4MC00 is no longer taught 4EC10 moves to Q2, timeslot A	Robotic systems (A) 4BC00 (3) DES3: Chemically reacting flows 4DC10 moves to Q3, limeslot D 4BC00 moves to Q1, limeslot A free elective/USE 4RC00 (3) FSS 3: Flow and structure (E)
Moves to timeslot E 4GC00 (3) CBL Comp. Aided Eng (B+D) Rokos Moves to Q2, timeslot A+B and course code changes to 4CBLC20 free elective/USE 47C00 (2) HTSD 1: Model-based systems	Course is no longer taught but students have two re-sit opportunities in 2025-26 4GC10 (3) CBL Mech. Design Project (B+D) Etman Moves to Q4, timesiot D+E and course code changes to 4CBLC30 free elective/USE	3FTX0 (3) DES 2: Turbulence, waves & instabilities (A) 4CC10 moves to Q3, timeslot C 3FTX0 changes are not known free elective/USE 4MC00 (3) FSS: 2: Experimental & Numerical skills (E) 4EC10 (3) DES: 2 Dynamics of energy systems (A) 4MC00 is no longer taught 4EC10 moves to Q2, timeslot A	Robotic systems (A) 4BC00 (3) DES3: Chemically reacting flows 4DC10 moves to Q3, limeslot D 4BC00 moves to Q1, limeslot A free elective/USE 4RC00 (3) FSS 3: Flow and structure (E)
Moves to timeslot E 4GC00 (3) CBL Comp. Aided Eng (B+D) Rokos Moves to Q2, timeslot A+B and course code changes to 4CBLC20 free elective/USE free elective/USE	Course is no longer taught but students have two re-sit opportunities in 2025-26 4GC10 (3) CBL Mech. Design Project (B+D) <i>Etman</i> Moves to Q4, timesiot D+E and course code changes to 4CBLC30 free elective/USE 4PCC0 (3) DES 1: Thermal and fluid	3FTX0 (3) DES 2: Turbulence, waves & instabilities (A) 4CC10 moves to Q3, timeslot C 3FTX0 changes are not known free elective/USE 4MC00 (3) FSS: 2: Experimental & Numerical skills (E) 4EC10 (3) DES: 2 Dynamics of energy systems (A) 4MC00 is no longer taught 4EC10 moves to Q2, timeslot A	4BC00 (3) DES3: Chemically reacting flows 4DC10 moves to Q3, timeslot D 4BC00 moves to Q1, timeslot A free elective/USE 4RC00 (3) FSS 3: Flow and structure (E)
Moves to timeslot E 4GC00 (3) CBL Comp. Aided Eng (B+D) Rokos Moves to Q2, timeslot A+B and course code changes to 4CBLC20 free elective/USE 4TC00 (2) HTSD 1: Model-based systems engineering (E)	Course is no longer taught but students have two re-sit opportunities in 2025-26 4GC10 (3) CBL Mech. Design Project (B+D) Elman Moves to Q4, timeslot D+E and course code changes to 4CBLC30 free elective/USE 4PC00 (3) DES 1: Thermal and fluid engineering (E)	3FTX0 (3) DES 2: Turbulence, waves & instabilities (A) 4CC10 moves to Q3, timeslot C 3FTX0 changes are not known free elective/USE 4MC00 (3) FSS: 2: Experimental & Numerical skills (E) 4EC10 (3) DES: 2 Dynamics of energy systems (A) 4MC00 is no longer taught 4EC10 moves to Q2, timeslot A	Robotic systems (A) 4BC00 (3) DES3: Chemically reacting flows 4DC10 moves to Q3, limeslot D 4BC00 moves to Q1, limeslot A free elective/USE 4RC00 (3) FSS 3: Flow and structure (E)
Moves to timeslot E 4GC00 (3) CBL Comp. Alded Eng (B+D) Rokos Moves to Q2, timeslot A+B and course code changes to 4CBLC20 free elective/USE 4TCC0 (2) HTSD 1: Model-based systems engineering (E) Course is no longer taught but students	Course is no longer taught but students have two re-sit opportunities in 2025-26 4GC10 (3) CBL Mech. Design Project (B+D) <i>Etman</i> Moves to Q4, timesiot D+E and course code changes to 4CBLC30 free elective/USE 4PCC0 (3) DES 1: Thermal and fluid	3FTX0 (3) DES 2: Turbulence, waves & instabilities (A) 4CC10 moves to Q3, timeslot C 3FTX0 changes are not known free elective/USE 4MC00 (3) FSS: 2: Experimental & Numerical skills (E) 4EC10 (3) DES: 2 Dynamics of energy systems (A) 4MC00 is no longer taught 4EC10 moves to Q2, timeslot A	Robotic systems (A) 4BC00 (3) DES3: Chemically reacting flows 4DC10 moves to Q3, limeslot D 4BC00 moves to Q1, limeslot A free elective/USE 4RC00 (3) FSS 3: Flow and structure (E)
Moves to timeslot E 4GC00 (3) CBL Comp. Aided Eng (B+D) Rokos Moves to Q2, timeslot A+B and course code changes to 4CBLC20 free elective/USE 4TCD0 (2) HTSD 1: Model-based systems engineering (E)	Course is no longer taught but students have two re-sit opportunities in 2025-26 4GC10 (3) CBL Mech. Design Project (B+D) Elman Moves to Q4, timeslot D+E and course code changes to 4CBLC30 free elective/USE 4PC00 (3) DES 1: Thermal and fluid engineering (E)	3FTX0 (3) DES 2: Turbulence, waves & instabilities (A) 4CC10 moves to Q3, timeslot C 3FTX0 changes are not known free elective/USE 4MC00 (3) FSS: 2: Experimental & Numerical skills (E) 4EC10 (3) DES: 2 Dynamics of energy systems (A) 4MC00 is no longer taught 4EC10 moves to Q2, timeslot A	Robotic systems (A) 4BC00 (3) DES3: Chemically reacting flows 4DC10 moves to Q3, limeslot D 4BC00 moves to Q1, limeslot A free elective/USE 4RC00 (3) FSS 3: Flow and structure (E)

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Comparison old & new curriculum

C	Changes from 2025-26 (these are more likely	to change as it's further into the future!)	re!)		
E M	3.1	3.2	3.3	3.4	
in .	4MC10 (3) Computational mechanics (C)	42C40 (3) Design principles & Analysis of	free elective/USE	free elective/USE	
.e		production systems (C)			
Curricul	Peerlings, van Brummelen	Vrancken, Reniers		4DC00 (3) HTSD 3: Dynamics and control of Robotic systems (A)	
			Instabilities (A)	4BC00 (3) DES3: Chemically reacting flows (D)	
	Moves to timeslot E	ourse is no longer taught but students have	4CC10 meteo to Q3, timeslot c	4DC10 moves to Q3, timeslot D	
		two has sit opportunities in 2025-26	3FTku changes are not known	4BC00 moves to Q1, timeslot A	
	4GC00 (3) CBL Comp. Aided Eng (B+D)	4GC10 (3) CBE Mock Design Project (B+D)	free elective/USE	free elective/USE	
		Etman	4MC00 (3) FSS: 2: Experimental & Numerical skills (E) 4EC10 (3) DES: 2 Dynamics of energy systems (A)	(RC00 (3) FSS 3: Flow and structure (E)	
	Moves to O2, timestet ALB and course	Moves to Q4, timeslot D+E and course code	MC00 is no longer taught		
	code changes to 4CBLC20	changes to 4CBLC30	4EC19 moves to Q2, timeslot A		
		free elective/USE 1PC00 (3) DES 1: Thermal and fluid ingineering (E)	4WC00 (3) Boobelor's Final preject	4WC00 (3) Bachelor's Final Project	
	Course is no longer taught but students can take 4CB40 (Q3) as a replacement Course	Moves to Q3, timeslot E			

Version 25-01-2024 Subject to changes! The PER (OER) is always leading.

4CC40 will be taught for the last time this year4TC00 will be replaced next year by 4BC404MC00 no longer taught

Comparison old & new curriculum

C	Changes from 2025-26 (these are more likely to change as it's further into the future!)			
un	3.1	3.2	3.3	3.4
Curriculum	4MC10 (3) Computational mechanics (C)	4CC40 (3) Design principles & Analysis of production systems (C)	free elective/USE	free elective/USE
Cur	Peerlings, van Brummelen	Vrancken, Reniers	3FTX0 (3) DES 2: Turbulence, waves &	4DC00 (3) HTSD 3: Dynamics and control of Robotic systems (A)
	Moves to timeslot E	Course is no longer taught but students have two re-sit opportunities in 2025-26	<i>instabilities (A)</i> 4CC10 moves to Q3, timeslot C 3FTX0 changes are not known	4BC00 (3) DES3: Chemically reacting flows (D) 4DC10 moves to Q3, timeslot D 4BC00 moves to Q1, timeslot A
	4GC00 (3) CBL Comp. Aided Eng (B+D) Rokos	4GC10 (3) CBL Mech. Design Project (B+D) Etman		free elective/USE 4RC00 (3) FSS 3: Flow and structure (E)
	Moves to Q2, timeslot A+B and course code changes to 4CBLC20	Moves to Q4, timeslot D+E and course code changes to 4CBLC30	4MC00 is no longer taught 4EC10 moves to Q2, timeslot A	
	free elective/USE 4TC00 (2) HTSD 1: Model-based systems engineering (E)	free elective/USE 4PC00 (3) DES 1: Thermal and fluid engineering (E)	4WC00 (3) Bachelor's Final project	4WC00 (3) Bachelor's Final Project
Version 05.0	Course is no longer taught but students can take 4CB40 (Q3) as a replacement course 1/2024 Subject to changes! The PER (OER) is	Moves to Q3, timeslot E		

Version 25-01-2024 Subject to changes! The PER (OER) is always leading.

Many courses move timeslot, or Quartile. Check carefully!

4CC40

This year, **4CC40** will be thought for the last time. This course is a combination of the old 2,5 ETCS courses **4CC30** and **4DC10**.

- In case you have not passed any of these courses, you need to do the whole 4CC40 course.
- If you have passed 4CC30 or 4DC10, you still need to do the whole 4CC40 course.

Make sure to enrol for 4CC40!

Impact for elective space

Your current program has the following <u>requirements for your elective</u> <u>space</u>:

- Courses are of sufficient level (at least 15 ECTS of level 3 courses, and 15 ECTS of level 2 or 3 courses)
- Courses **do not overlap** with courses in ME program
- You need to complete a **USE learning trajectory**

Impact for elective space: USE learning trajectory

- USE learning lines are not part of the new curriculum
- That means that USE packages are being phased out
- Check on <u>the education guide</u> until when USE packages are being taught

Do not delay following a USE package and if you are, check to see which USE packages are still being taught in the future!

Impact for elective space: electives at ME

- The electives that ME offers will also change as the new curriculum is phased in
- Some electives will change in name, quartile, timeslot or even disappear from the program
- There are also new electives to be chosen in the future

Impact for elective space: electives at ME

Check on the education guide until when which current ME elective package is still being offered:

- Designing, Experimenting and Modeling
- High Tech Systems Design
- Design of Energy Systems
- Flow, Structure & Strength

Impact for elective space: electives outside of ME

- The electives that other departments offer will also change, but we (ME) are not aware of everything other departments are changing
- Check the <u>Osiris catalogue</u> and <u>the education guide</u> to see if your desired electives are still being taught next year (and after)
- When in doubt; contact the responsible lecturer!

To conclude;

- The new curriculum will have an impact on your planning if you're delayed, expect a delay in the future or if you're planning your elective space in the future (including USE)
- Inform yourself well via the information on <u>the education guide</u>; the PlanApp cannot be used for planning further into the future with some courses

To conclude;

- More information? You can find the current and new curriculum on the <u>education guide</u>.
- If you have questions after reviewing this presentation, feel free to contact the Academic Advisors via <u>me.academic.advisors.bsc@tue.nl</u>.