

## 1 General Courses

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Mathematic Models [nl]	Denis Constaes TW06	6		1	1		60	180
2	Applied Electromagnetism	Dries Vande Ginste TW05	6		1	1		60	180
3	Communication Theory [nl]	Marc Moeneclaey TW07	6		1	1		60	180
4	Electromagnetic-aware High Frequency Design	Hendrik Rogier TW05	6		1	1		67.5	180
5	Modelling and Control of Dynamic Systems [nl]	Mia Loccufer TW08	6		1	2		60	180
6	Design of Analog Circuits and Building Blocks	Pieter Rombouts TW06	6		1	2		60	180
7	High-speed Electronics	Johan Bauwelinck TW05	6		1	2		60	180
8	Information Theory	Heidi Steendam TW07	6		1	2		60	180
9	Design Methodology for FPGAs	Dirk Stroobandt TW06	6		2	1		60	180
10	Antennas and Propagation	Hendrik Rogier TW05	6		2	1		67.5	180
11	Modulation and Detection	Marc Moeneclaey TW07	6		2	1		60	180

## 2 Courses Related to the Main Subject

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	VLSI Technology and Design	Jan Doutreloigne TW06	6		1	1		67.5	180
2	Hardware-design Project	Jan Vanfleteren TW06	6		1	2		22.5	180
3	Technology of Integrated Circuits and Microsystems	Maaïke Op de Beeck TW06	6		2	1		60	180
4	Sensors and Actuators	Herbert De Smet TW06	6		2	2		45	180

## 3 Elective Courses

Subscribe to 6 credit units from the elective courses list 'Elective Courses ECS' (module 3.1.1 or module 3.2.1 from the Master's programme Master of Science in Electrical Engineering - Electronic Circuits and Systems).  
Subject to approval by the faculty.

## 4 Master's Dissertation

No.	Course name	Lecturer (dept.)	CRDT	Ref	MT1	MT2	Semester	Contact	Study
1	Master's Dissertation		24		2	J		60	720

### Teaching languages

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the course name, using the following ISO codes:

bg: Bulgarian    de: German    es: Spanish    ja: Japanese    pl: Polish    sh: Croatian/Serbian    zh: Chinese  
 cs: Czech    el: Greek    fr: French    nl: Dutch    pt: Portuguese    sl: Slovene  
 da: Danish    en: English    it: Italian    no: Norwegian    ru: Russian    sv: Swedish

### Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2. When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned.

When a semester is shown in brackets, the course is not offered this year in the specific offering.

The offering frequency and first year of offering are indicated by the following codes:

a: bi-annually    c: annually, from 2021-2022    f: annually, from 2022-2023    i: annually, from 2023-2024  
 b: tri-annually    d: bi-annually, from 2021-2022    g: bi-annually, from 2022-2023    j: bi-annually, from 2023-2024  
 e: tri-annually, from 2021-2022    h: tri-annually, from 2022-2023    k: tri-annually, from 2023-2024