



VRIJE  
UNIVERSITEIT  
BRUSSEL



# Master of Applied Science & Engineering: Computer Science

# Master of Science in Applied Informatics

Vrije Universiteit Brussel  
2024–2025

Prof. Dr. Beat Signer

Mail your questions to:  
[questions@dinf.vub.ac.be](mailto:questions@dinf.vub.ac.be)

Download this presentation:  
[https://dinf.vub.ac.be/docs/welcome\\_mtics\\_2024.pdf](https://dinf.vub.ac.be/docs/welcome_mtics_2024.pdf)





# Are You at the Right Place?

Master of Science in Applied Sciences and Engineering: Computer Science / Master of Science in de Ingenieurswetenschappen: Computerwetenschappen (2 years, English/Dutch)

- advanced CS programme, in-depth scientific study of the field
- jointly organised by Faculty of Sciences and Bio-Engineering Sciences and Faculty of Engineering

Master of Science in Applied Informatics / Master of Science in de Toegepaste Informatica (1 year, English/Dutch)

- applied CS programme
- organised by the Faculty of Sciences and Bio-Engineering Sciences

Master of Science in Applied Sciences and Engineering: Applied Computer Science (MACS) (2 years, English)

- for students *without a background* in Computer Science
- more applied
- organised by the Faculty of Engineering



# On the Menu ...

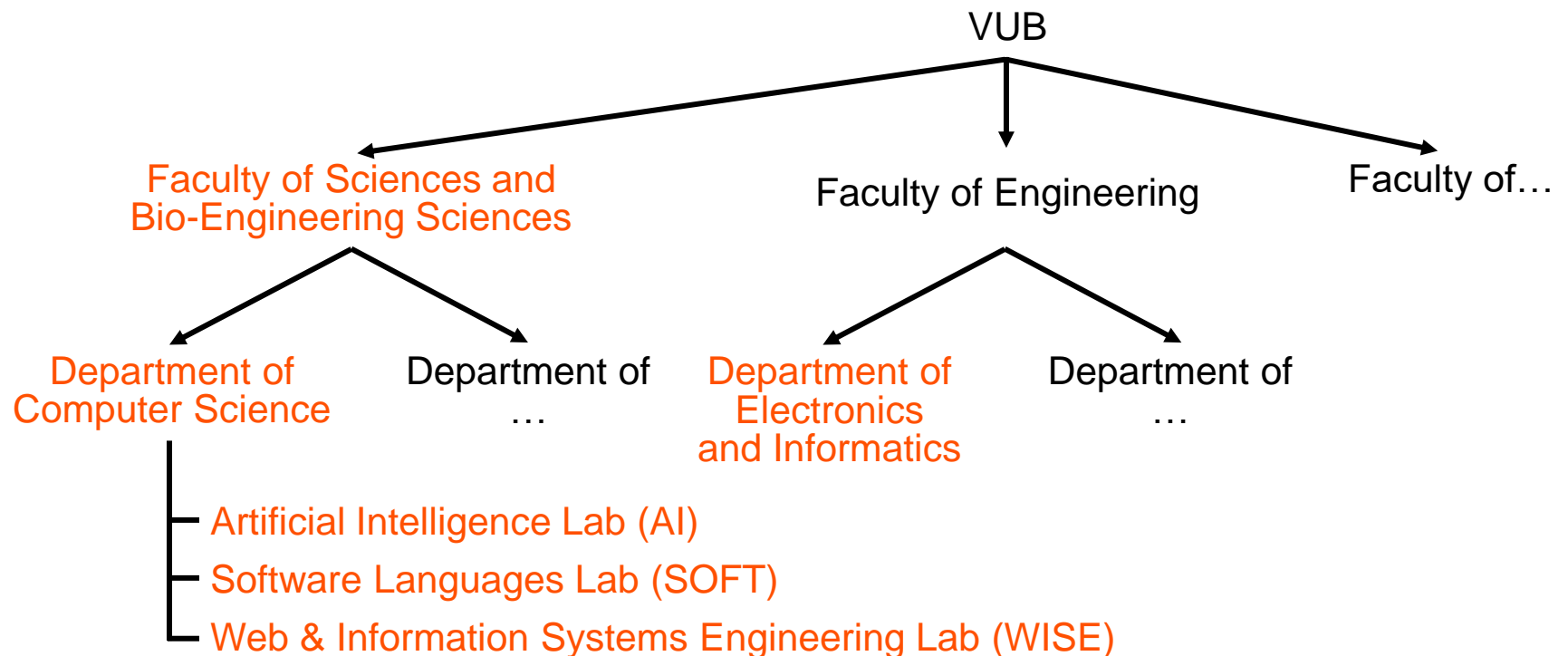
- **Part 1: Institutions Behind the Master Programmes**
- Part 2: Structure of the Master Programmes
- Part 3: Practical Issues

Download this presentation:  
[https://dinf.vub.ac.be/docs/welcome\\_mtics\\_2024.pdf](https://dinf.vub.ac.be/docs/welcome_mtics_2024.pdf)





# Organising Departments & Institutions





# Organising Departments & Institutions ...

- Department of Computer Science (**DINF @ VUB**)
  - [dinf.vub.ac.be](http://dinf.vub.ac.be)
  - Faculty of Sciences and Bio-engineering Sciences (WE)
  - Pleinlaan 9, 3rd floor (AI and WISE) and building F, 10th floor (SOFT)
  - *Artificial Intelligence (AI), Data Management and Analytics (DAMA) and Software Languages and Software Engineering (SOFT)* specialisations
- Department of Electronics and Informatics (**ETRO @ VUB**)
  - [www.etrovub.be](http://www.etrovub.be)
  - Faculty of Engineering (IR)
  - Pleinlaan 9, 2nd floor
  - *Multimedia (MM)* specialisation
- Some courses are organised in collaboration with the Université Libre de Bruxelles (**ULB**)
  - French-speaking sister university (courses given in English)
  - Campus de la Plaine and Campus du Solbosch



# CS Research Labs @ VUB



- Artificial Intelligence (DINF - **AI Lab**)
  - [ai.vub.ac.be](http://ai.vub.ac.be)
- Software Languages and Software Engineering (DINF - **SOFT**)
  - [soft.vub.ac.be](http://soft.vub.ac.be)
- Web & Information Systems (DINF - **WISE Lab**)
  - [wise.vub.ac.be](http://wise.vub.ac.be)
- Multimedia (ETRO)
  - [www.etrovub.be](http://www.etrovub.be)

Professors of these research labs  
teach the **courses**

+

You will normally do your **thesis**  
work in one of these labs



# Acronyms

WE (or WE-BIR)	Faculty of Sciences and Bio-Engineering Sciences, <a href="https://www.vub.be/en/about-vub/faculties-institutes-and-campuses/our-faculties/sciences-and-bioengineering-sciences">https://www.vub.be/en/about-vub/faculties-institutes-and-campuses/our-faculties/sciences-and-bioengineering-sciences</a>
IR	Faculty of Engineering, <a href="https://www.vub.be/en/about-vub/faculties-institutes-and-campuses/our-faculties/engineering">https://www.vub.be/en/about-vub/faculties-institutes-and-campuses/our-faculties/engineering</a>
DINF	Department of Computer Science, <a href="http://we.vub.ac.be/en/computer-science-department">we.vub.ac.be/en/computer-science-department</a>
ETRO	Department of Electronics & Informatics, <a href="http://www.etrovub.be">www.etrovub.be</a>
AI	Artificial Intelligence Lab, <a href="http://ai.vub.ac.be">ai.vub.ac.be</a>
SOFT	Software Languages Lab, <a href="http://soft.vub.ac.be">soft.vub.ac.be</a>
WISE	Web & Information Systems Engineering Lab, <a href="http://wise.vub.ac.be">wise.vub.ac.be</a>



# Acronyms ...

VUB	Vrije Universiteit Brussel, <a href="http://www.vub.be">www.vub.be</a>
ULB	Université Libre de Bruxelles, <a href="http://www.ulb.be">www.ulb.be</a>
OER	<u>Teaching and Examination Regulations</u>
InfoGroep	CS Student Association, <a href="http://infogroep.be">infogroep.be</a>
Canvas	Learning Platform, <a href="http://canvas.vub.be">canvas.vub.be</a>
ECTS	European Credit Transfer System
IRMO	<u>International Relations Office</u>
4F	<u>Secretariat of the Faculty of Sciences (F.4.05)</u>
PL9	Pleinlaan 9
DAMA	Data Management and Analytics, <a href="http://wise.vub.ac.be/dama/">wise.vub.ac.be/dama/</a>
WeAreVub	Student Portal, <a href="http://wearestudent.vub.be">wearestudent.vub.be</a>



# VIPs



**Prof. Dr. Beat Signer**  
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# On the Menu ...

- Part 1: Institutions Behind the Master Programmes
- **Part 2: Structure of the Master Programmes**
- Part 3: Practical Issues




# Structure of the Two-Year MA Programme

- **120 ECTS** (~ 2 academic years), official programme

Courses	Year	ECTS
7 mandatory courses	1 *	30
research training & thesis	2	30
mandatory courses from specialisation	1 + 2	30 or more
electives from specialisation		
electives from other specialisations, other electives	1 + 2	rest

\* You can postpone some of these until year 2

\*\* If you wish to do more than 120 ECTS, you have to pay more and **must pass all courses**

- Exam schedules might play a role in your choice
- You can graduate in ((January **xor** July) or September)  
 special **registration for January!**



# Structure of the Two-Year MA Programme

## 30 ECTS Compulsory

Methods for Scientific Research (3 ECTS)  
Declarative Programming (6 ECTS)  
Scientific Integrity (3 ECTS)  
Software Architectures (6 ECTS)  
Data & Information Management (6 ECTS)  
Theory of Computation (3 ECTS)  
Information Theory (3 ECTS)

## 30 ECTS Specialisation

Mandatory and elective courses  
of a given specialisation

## 30 ECTS Electives

Electives

*Mobility Window*

## 30 ECTS Thesis in Specialisation

Research Training (6 ECTS)  
and Master's Thesis (24 ECTS)  
in a given specialisation



# Four MACW/CS Specialisations

## Artificial Intelligence

Machine Learning  
Game Theory  
Computational Biology  
Natural Language Processing  
Computational Intelligence

*AI Lab*

## Data Management and Analytics

Big Data Management  
Scalable Big Data Analytics  
Deep Learning and Recommendation  
Human-Information Interaction  
Information Visualisation

*WISE Lab, AI Lab and SOFT*

## Software Languages & Software Engineering

Language Design and Implementation  
Development Tools and Methods  
Abstraction and Composition  
Program Analysis  
Program Evolution

*SOFT*

## Multimedia

Image Processing  
Data Compression  
Computer Vision  
Speech Synthesis and Coding  
Video Technology

*ETRO*



# Details About Specialisations

## ■ *Artificial Intelligence*

- detailed programme on caliweb
  - <https://caliweb.vub.be/?page=plan&id=00262&anchor=0000000613&language=en>
- example of course distribution over two years
  - [https://dinf.vub.ac.be/docs/Programme\\_Ma\\_CS\\_AI.pdf](https://dinf.vub.ac.be/docs/Programme_Ma_CS_AI.pdf)
- video about Artificial Intelligence specialisation
  - <https://seminars.infogroep.be/2023-2024/master-seminars/infoession-AI.mov>
- additional information on AI website

## ■ *Multimedia*

- detailed programme on caliweb
  - <https://caliweb.vub.be/?page=plan&id=00262&anchor=0000000614&language=en>
- example of course distribution over two years
  - [https://dinf.vub.ac.be/docs/Programme\\_Ma\\_CS\\_MM.pdf](https://dinf.vub.ac.be/docs/Programme_Ma_CS_MM.pdf)



# Details About Specialisations ...

- *Data Management and Analytics*
  - detailed programme on caliweb
    - <https://caliweb.vub.be/?page=plan&id=00262&anchor=0000001998&language=en>
  - example of course distribution over two years
    - [https://dinf.vub.ac.be/docs/Programme\\_Ma\\_CS\\_DAMA.pdf](https://dinf.vub.ac.be/docs/Programme_Ma_CS_DAMA.pdf)
  - video about Data Management and Analytics specialisation
    - <https://seminars.infogroep.be/2023-2024/master-seminars/infoession-DAMA.mp4>
  - additional information on WISE website
- *Software Languages and Software Engineering*
  - detailed programme on caliweb
    - <https://caliweb.vub.be/?page=plan&id=00262&anchor=0000000615&language=en>
  - example of course distribution over two years
    - [https://dinf.vub.ac.be/docs/Programme\\_Ma\\_CS\\_SOFT.pdf](https://dinf.vub.ac.be/docs/Programme_Ma_CS_SOFT.pdf)
  - short presentation at the end of today's session



# Composing Your Master Programme

- **Requirements for obtaining the diploma**  
(verified at the end of 2nd year)
  - you need to *pass for 120 ECTS* (deliberation rules allow for some failed courses up to the weighted point deficit (WCD))
  - all *mandatory courses* (30 ECTS)
  - all *mandatory courses of your specialisation*
  - *at least 30 ECTS in your specialisation* (including mandatory ones)
  - *thesis & research training* (6+24 ECTS) *in your specialisation*
- **Typical first year**
  - take all/most mandatory courses (30 ECTS)
  - other courses, within and/or outside your specialisation (30 ECTS)
  - choice of specialisation is preliminary (*final decision in second year*)



# Composing Your Master Programme ...

- Electives (all but 6 ECTS) need to come from the Computer Science curriculum
  - [www.vub.be/en/studying-vub/all-study-programmes-vub/bachelors-and-masters-programmes-vub/applied-sciences-and-engineering-computer-science/programme](http://www.vub.be/en/studying-vub/all-study-programmes-vub/bachelors-and-masters-programmes-vub/applied-sciences-and-engineering-computer-science/programme) (or Dutch equivalent)
- Some courses require prior knowledge
  - carefully read course descriptions
- Special electives with limited access (see later)



# Case 1: "I Know What I Want: XX"

## First Year

All mandatory courses (first semester)	30 ECTS	
Most mandatory courses of the XX specialisation	18 ECTS	(varies from 18–24 ECTS)
Two elective courses of the XX specialisation	12 ECTS	
<b>Total first year</b>	<b>60 ECTS</b>	

## Second Year

Research training and thesis with XX professor	30 ECTS
Missing mandatory course of the XX specialisation	6 ECTS
Electives (possibly related to thesis)	24 ECTS
<b>Total second year</b>	<b>60 ECTS</b>

- Think about the balance between 1st and 2nd semester
- Think about courses asking for prior knowledge
- Make sure that chosen courses do not overlap in timetable
- Postpone courses to the 2nd year if necessary
- Do not take too much course work in the 4th semester



## Case 2: *"I Cannot Decide Yet ..."*

### First Year

All mandatory courses	30 ECTS
Some mandatory courses of the YY specialisation	18 ECTS
Some mandatory courses of the ZZ specialisation	12 ECTS
<b>Total first year</b>	<b>60 ECTS</b>

### Second Year

Research training and thesis with ZZ professor	30 ECTS
Rest of "mandatory" courses of the ZZ specialisation	18 ECTS
Electives based on personal preferences	12 ECTS
<b>Total second year</b>	<b>60 ECTS</b>



# Electives With Limited Access

- Certain Master-level electives were already taken by many students during their Bachelor studies. They obviously cannot choose them again → *"Electives conditional to the agreement of the examination committee"*
- However, in case you lack the knowledge taught in the courses in blue, you *"must"* take those in year 1 of your Master's programme (depending on your specialisation)
- Artificial Intelligence
  - [Machine Learning](#) (1002080CNR)
- Data Management and Analytics (DAMA)
  - [Web Technologies](#) (1019888BNR)
  - [Human Computer Interaction](#) (1023841ANR)



# Electives With Limited Access ...

- Software Languages and Software Engineering
  - [Higher Order Programming \(4020432ENR\)](#)
  - [Advanced Programming Language Concepts \(1005176BNR\)](#)
- Multimedia
  - [Multimedia Processing Tools \(1013729BNR\)](#)
- Registration via the form 'Registration remedial courses' with limited access (only for MSc in Computer Science) (<https://form.jotform.com/221985733293364>) or contact [kevin.pinte@vub.be](mailto:kevin.pinte@vub.be)



# Internship



- *Internship Computer Science (4016125ENR) (6 ECTS)*
  - current offers: <https://dinf.vub.ac.be/internships/>
- Duration: at least 18 working days
- Often taken during the summer period between the first and second year
- If you are interested, contact Denis Steckelmacher (denis.steckelmacher@vub.be)



# MA Thesis & Research Training



- InfoGroep organises "Get to Know the Labs" seminars in March/April
- Thesis topics will be published in *late April/early May*
  - <https://dinf.vub.ac.be/thesis>
  - registration deadline: October 15
- You can only register for the thesis after you acquired at least 45 ECTS (~ "2nd year")



# Master of Science in Applied Informatics

## Artificial Intelligence

*48 ECTS Compulsory*

Methods for Scientific Research  
 Reinforcement Learning  
 Current Trends in Artificial Intelligence  
 Declarative Programming  
 Natural Language Processing  
 Statistical Foundations of Machine Learning  
 Master Thesis (15 ECTS)

*12 ECTS Electives*

Register (regular) electives via SelfService  
 and electives that need approval via  
<https://form.jotform.com/221992562424358>

## Big Data Technology

*48 ECTS Compulsory*

Methods for Scientific Research  
 Data and Information Management  
 Security in Computing  
 Information Visualisation  
 Cloud Computing and Big Data Processing  
 Multicore Programming  
 Master Thesis (15 ECTS)

*12 ECTS Electives*

Register (regular) electives via SelfService  
 and electives that need approval via  
<https://form.jotform.com/221992562424358>

- English-taught version launched in 2023/2024



# Master of Science in Applied Informatics ...

- For students who plan to finish their studies in one year
  - *make sure that you find a topic and supervisor for your Master's thesis as soon as possible*
    - available topics: <https://dinf.vub.ac.be/thesis/>
    - registration deadline: October 15



# Exchange Semester Abroad



University of Warwick,  
United Kingdom



University of Potsdam,  
Germany



CY Cergy Paris University,  
France



Technische Universität München,  
Germany



Universitat Politècnica de Catalunya  
(UPC), Spain

- Possibility to study a semester abroad
  - *best during 3rd semester* of Master studies
    - follow most of the mandatory courses at the VUB during first year
  - top European universities via Erasmus+ programme
    - University of Warwick, Universitat Politècnica de Catalunya (UPC), CY Cergy Paris University, TU Munich, University of Konstanz, Bauhaus University Weimar, Potsdam University, TU Dresden, Chalmers University of Technology, University of Gothenburg, University of Ljubljana, Babeş-Bolyai University, ...



# Exchange Semester Abroad ...



Bauhaus University, Weimar,  
Germany



University of Konstanz,  
Germany

- non-EEA destinations
  - Canada, South Korea, South Africa, Mexico, Brazil, China, Japan, Chile and Morocco
- General courses or specialisation in areas not offered at the VUB
- Opportunity to widen your horizon
- Explicitly mentioned on your final diploma



# Exchange Semester Abroad ...



- General information event later this year organised by IRMO (planned on November 4, 12:00–14:00)
- Information about possible destinations (also non-EU)
  - <https://www.vub.be/en/studying-vub/all-study-programmes-vub/personal-development-during-your-studies/studying-abroad/eu-destinations-erasmus-exchange/exchange-outgoing-in-computer-science-vub>
- General information
  - <https://www.vub.be/en/studying-vub/all-study-programmes-vub/personal-development-during-your-studies/studying-abroad>
- Contact persons
  - Faculty coordinator for internationalisation, [marjan.maes@vub.be](mailto:marjan.maes@vub.be)
  - DINF exchange coordinator, [beat.signer@vub.be](mailto:beat.signer@vub.be)



# On the Menu ...

- Part 1: Institutions Behind the Master Programmes
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- **Part 3: Practical Issues**



# Appointment



**Message to ALL students  
who did NOT do their  
Bachelor (or 'Schakel') at  
the VUB**

Make an appointment with Kevin Pinte  
[kevin.pinte@vub.be](mailto:kevin.pinte@vub.be)

To check your background knowledge  
for the Master courses



# Enrolment & Becoming a VUB Student

- [student.vub.be/en](https://student.vub.be/en) (tab 'Administration')
- *Enrol* via the online application or via the student administration centre
  - *deadlines*: 1st semester: *October 15*, 2nd semester: *February 28*
- Get your *student card*
- Create your VUB *NetID*
  - e-mail address
  - student SelfService ([cali.vub.be](https://cali.vub.be))
  - online learning platform *Canvas*



# Registering for Courses

- *Register* for your courses
  - via the student SelfService
  - via stbfacwe@vub.be (special cases)
  - *deadlines*: 1st semester; *October 15*, 2nd semester: *February 28*
- Problems?
  - check <https://www.vub.be/en/studying-vub/practical-info-for-students/study-guidance/study-path/study-path-counselor-sciences-and-bioengineering-sciences>
  - *walk-in meetings*: F.4.16, Mondays 13:00–16:00 and Thursdays 10:00–13:00 (from September 16 until October 18)
- Deviations from standard curriculum
  - application form (e.g. 'Special Electives With Limited Access') available at <https://form.jotform.com/221985733293364>



# Registering for Courses ...

- International students travelling with VISA
  - *MUST register for at least 54 ECTS per academic year!*  
(except in the year when you finish your studies)
  - an *'Absent'* for a course is *no longer a problem for an extension*
  - *required study progress*
    - 120 ECTS programme: min. *60 ECTS received after 2 years, studies finished after 3 years*
    - 60 ECTS programme: *studies finished after 2 years*
  
- *Attention!*
  - in order to graduate, you *must pass ALL the courses that you registered for*
  - for example, if you registered for 123 ECTS and passed for 120 ECTS, you cannot graduate!



# Registering for ULB Courses

ULB

- Register the ULB course at the VUB
- Fill in the form <https://form.jotform.com/222665902304048>
  - *deadlines*: 1st semester: *October 31*, 2nd semester: *February 28*
  - register as early as possible to get access to the online platform



# Starting Point and InfoPunt

- *Starting Point*
  - temporary helpdesk
  - building A (containers)
  - 9:30–16:30
    - September 9 until October 15
  - for various questions
    - student administration
    - ICT (VUB account, WiFi, ...)
    - course enrolment
    - health insurance
    - international students
- *InfoPunt*
  - entrance of building D



InfoPunt, entrance of building D



# Canvas Learning Platform



- VUB Learning Platform, [canvas.vub.be](https://canvas.vub.be)
- use your VUB NetID
- automatic access to workspace for registered users
- announcements by professors and teaching assistants
- download documents (course notes, slides, ...)
- uploading & handing in assignments
- registering for oral exam slots
- ...



# Individual Courses on Canvas

Information Visualisation - 008866

2324

Home

Announcements

Modules

Assignments

Panopto

People

Grades

Studieeefiche 2324

Immersive Reader

View Course Stream

View Course Calendar

View Course Notifications

To do

Nothing for now

## Information Visualisation - 008866

Welcome to

### Information Visualisation

This course is organised by [Prof. Dr. Beat Signer](#) and his teaching team consisting of [Yoshi Malaise](#).

The purpose of this course page is to provide you with detailed information on the course and the study materials. Please take some time to carefully read these practicalities and to familiarise yourself with our approach. Click one of the buttons below to learn more

**COURSE CONTENT**

**CALENDAR**

**ASSESSMENT**

**COURSE DESCRIPTION**

**CONTACT**

**FAQ**

A word of caution: during the semester, more activities and information may be added/changed in this Canvas course. Although



# Common Programme Space on Canvas !!!

The screenshot shows the Canvas LMS interface for the course 'Computer Science and Applied Informatics'. The page title is 'Computer Science and Applied Informatics'. The main content area features a welcome message in Dutch and English: 'Welkom op de Canvascursus van de opleidingen / Welcome to the Canvas space for the programmes'. Below this, the course title is displayed in large blue letters: 'COMPUTERWETENSCHAPPEN / COMPUTER SCIENCE, TOEGEPASTE INFORMATICA / APPLIED INFORMATICS, ARTIFICIELE INTELLIGENTIE'. The page is divided into two columns of text, one in Dutch and one in English, providing general information for students. The Dutch text includes a list of programs: Bachelor of Science in de Computerwetenschappen, Bachelor of Science in de Artificiële Intelligentie, Master of Science in de Toegepaste Informatica, and Master of Applied Sciences and Engineering: Computerwetenschappen. The English text includes a list of programs: Master of Science in Applied Informatics and Master of Applied Sciences and Engineering: Computer Science. The page also features a sidebar with navigation options like Home, Announcements, Modules, Pages, Account, Dashboard, Courses, Calendar, Inbox, History, and Help. On the right side, there are buttons for 'View Course Stream', 'View Course Calendar', and 'View Course Notifications', along with a 'To Do' section showing 'Nothing for now'.

**Mandatory to register!** <https://canvas.vub.be/enroll/NJTGPX>



# Academic Calendar

- 1st semester
  - 1 week without classes (ULB)
  - 13 weeks of classes
  - 2 weeks winter holiday
  - 4 weeks of exams
  - 1 week without classes
  
- 2nd semester
  - 8 weeks of classes
  - 2 weeks spring holiday
  - 5 weeks of classes
  - 1 weeks for studying
  - 5 weeks of exams
  
- 2nd exam session
  - 4 weeks of exams

[vub.be/en/about-vub/key-data-vub/academic-calendar](https://vub.be/en/about-vub/key-data-vub/academic-calendar)

From – Till	Activities		Week
16/09/24 22/09/24	<i>Welcome week <sup>(a)</sup> Start of classes for Bruface students</i>		1
23/09/24 29/09/24	Mon 23.09.24	Start of classes	2
	Tue 24.09.24	Academic opening	
30/09/24 06/10/24			3
07/10/24 13/10/24			4
14/10/24 20/10/24			5
21/10/24 27/10/24			6
28/10/24 03/11/24	Fri 01.11.24	Bank Holiday	7
	Sat 02.11.24	VUB Holiday	
04/11/24 10/11/24			8
11/11/24 17/11/24	Mon 11.11.24	Bank Holiday	9
18/11/24 24/11/24	Wed 20.11.24	VUB Holiday – Verhaegen Commemoration	10
25/11/24 01/12/24			11
02/12/24 08/12/24			12
09/12/24 15/12/24			13
16/12/24 22/12/24			14
23/12/24 05/01/25	<i>Winter Holiday</i>		15-16
	Wed 25.12.24	Bank Holiday	



# Timetables



Vrije Universiteit Brussel

Vrije Universiteit Brussel / Publieke roosters / rooster per opleiding en per vak

Vandaag < wk02 > 23-09-2024 - 29-09-2024 Zoeken 1MA ApplSc&Eng Bewaar favoriet Abonneren Download Filter Aanpassen

16/09 - 20/09: ONTHAALDAGEN VOOR NIEUWE STUDENTEN: ben je nieuw aan de VUB? Al je activiteiten, verplichte toetsen, infosessies tijdens de Onthaalweek vind je hier: [onthaaldagen](#)

Voor rooster-inhoudelijke vragen kan je terecht op je faculteit.

Je technische vragen over deze applicatie zijn welkom bij [centrale.roostering@vub.be](mailto:centrale.roostering@vub.be)

	Ma	Di	Wo	Do	Vr
08:00					
09:00		09:00- wk02 Scientific Integrity (2425) *ONLINE Cornelis Gustaaf Hoorcollege Scientific Integrity 4023787ENR		10:00- wk02 Declaratief programmeren (2425), Declarative Programming (2425), Logic Programming (2425) P2.0.05	
10:00					
11:00	wk02 Software architectures (2425), E.0.05 De Roover Coen Hoorcollege Software architectures	wk02 Informatietheorie (2425), Information Theory (2425), Signal Theory (2425) D.0.07 Vandersteen Gerd			
12:00					
13:00			wk02 Data and Information Management (2425), Data en Informatie management (2425) G.1.53 Ketsman Bas	wk02 WPO1 Web Technologies (2425) E.1.2	wk02 Declaratief programmeren (2425), Declarative Programming (2425) E.1.3 Wiggins Werkcollege
14:00	wk02 Software architectures (2425), Software Architectures (2425) B.0.31				
15:00	wk02 De Roover Coen Hoorcollege	wk02 Methoden van wetenschappelijk onderzoek (2425), Methods for Scientific Research (2425) i.2.02	wk02 WPO1 Data and Information Management (2425), Data en Software	wk02 WPO 2 Software architecturen (2425), Software	
16:00					
17:00					
18:00					
19:00					
20:00					
21:00					

■ Hoorcollege ■ Werkcollege

[Link naar deze pagina](#) [Tekst](#)

Vrije Universiteit Brussel

Vrije Universiteit Brussel / Publieke roosters / rooster per opleiding en per vak

Vandaag < Okt > 23-09-2024 - 31-12-2024 Zoeken 1MA ApplSc&Eng Co Bewaar favoriet Abonneren Download Filter Aanpassen

16/09 - 20/09: ONTHAALDAGEN VOOR NIEUWE STUDENTEN: ben je nieuw aan de VUB? Al je activiteiten, verplichte toetsen, infosessies tijdens de Onthaalweek vind je hier: [onthaaldagen](#)

Voor rooster-inhoudelijke vragen kan je terecht op je faculteit.

Je technische vragen over deze applicatie zijn welkom bij [centrale.roostering@vub.be](mailto:centrale.roostering@vub.be)

	Ma	Di	Wo	Do	Vr
08:00					08:00- wk10 WPO2 Data and Informa- tion
09:00		09:00- wk09 Data and Information Management (2425), Data en informatie			09:00- wk09 Softwa re
10:00		10:00- 7x wk02, wk07-wk08, wk11-wk14 Scientific Integrity (2425) *ONLINE	10:00- 4x wk03-wk06 Informatietheo rie (2425), Information Theory (2425), Signal Theory (2425)	10:00- 9x wk03- wk06, wk09, wk11-wk14 Web Technologies (2425), Declarative Programming (2425), Logic Programming (2425) P2.0.05	10:00- 13x wk02-wk14 Declaratief programmeren (2425), Declarative Programming (2425), Logic Programming (2425) P2.0.05
11:00	11:00- wk02 Software architectures (2425), E.0.05 De Roover Coen Hoorcollege Software architectures	11:00- 11x wk03- wk08, wk10- wk14 WPO1	11:00- 11x wk03- wk08, wk10- wk14 WPO2	11:00- wk02 Informatietheo rie (2425), Information Theory (2425), Signal Theory (2425)	11:00- 4x wk05- wk08 Softwa re archite cturen (2425), Informa tietheo rie (2425), Bereke nbaar heid (2425), Theory
12:00					
13:00			13:00- 9x wk05-wk13 Informatietheorie (2425), Information Theory (2425) P2.0.07 Vandersteen Gerd WPO met laptop	13:00- 12x wk02-wk09, wk11-wk14 Data and Information Management (2425), Data en informatie management (2425) G.1.53 Ketsman Bas	13:00- wk02 WPO1 Web Technologies (2425) E.1.2
14:00	14:00- 9x wk02-wk03, wk07-wk08, wk10-wk14 Software architectures (2425), Software Architectures (2425) B.0.31 De Roover Coen				13:00- 13x wk02- wk14 Declaratief programmeren (2425), Declarative Programming (2425) E.1.3
15:00	15:00- 13x wk02-wk14 Methoden van wetenschappelijk onderzoek (2425), Methods for Scientific Research (2425) i.2.02	15:00- 12x wk02- wk09, wk11- wk14 WPO 2 Data and Information	15:00- 12x wk02- wk09, wk11- wk14 WPO 2 Software architecturen	15:00- 12x wk02- wk09, wk11- wk14 WPO 2 Software architecturen	15:00- 12x wk02- wk09, wk11- wk14 WPO 2 Software architecturen
16:00	16:00- wk10 Berekenbaarheid (2425), Theory of computation (2425) i.2.03 Bogaerts Bart Hoorcollege, Werkcollege				16:00- wk07 Berekenbaarh eid (2425), Theory of computation (2425)
17:00					16:00- wk10 Software architecturen (2425), Software Architectures
18:00					
19:00					
20:00					
21:00					

■ Hoorcollege ■ Werkcollege ■ Meerdere Lestype

[Link naar deze pagina](#) [Tekst](#)

<https://www.vub.be/en/studying-vub/practical-info-for-students/class-and-exam-schedules/class-schedules>



# Exams



- Type of examination/evaluation specified in *course description*
  - [caliweb.vub.be](http://caliweb.vub.be)
  - select the appropriate programme
  - carefully read the course descriptions!
    - written or oral (or both)?
    - online or on-campus?
    - open or closed book?
    - projects(s), written assignments?
  - can also be accessed from the Canvas course page
- Exam schedules
  - [student.vub.be/en/timetables-and-exam-schedules#exam-schedule](http://student.vub.be/en/timetables-and-exam-schedules#exam-schedule)
  - read emails and *Canvas* messages *carefully*



# Exams ...



- An academic year has 2 exam "sessions" (~ 2 attempts)
  - 1st exam session
    - 1st exam period in January (1st semester courses)
    - 2nd exam period in June (2nd semester courses and full-year courses)
  - 2nd exam session
    - all courses, unless description explicitly mentions that there is no 2nd session!
- Scores announced at the end of exam session
  - score  $\geq 10/20 \rightarrow$  course passed, you obtain the ECTS
  - score  $< 10/20 \rightarrow$  course failed



# Exams ...



- I failed a course
  - redo the exam in 2nd session
  - take the course (or alternative) in the 2nd year
  - (you can do a 5th semester if necessary, requires extra enrolment)
    - you must register to finish in January
  
- Rescheduling in case of *force majeure*
  - only allowed in specific situations
    - <https://www.vub.be/en/studying-vub/practical-info-for-students/exams-and-deliberations/exam-regulations>
  - if you get ill, always ask your doctor for a certificate and submit it to the Faculty secretariat @4F



# Plagiarism



- *Any* exchange, copy or reuse of "artefacts"\* without proper referencing will be sanctioned by the faculty
- *Dedicated tools are used to screen your artefacts!*

\*image taken from Google :-)



# Plagiarism ...

- The Teaching and Examination Regulations also provide some more information about plagiarism and the use of Generative AI such as ChatGPT (e.g. Article 118§2)
  - *[...] Any form of fraud that constitutes an infringement of scientific integrity, including the use of statements or texts produced by generative AI applications without stating original sources, or simulating or falsifying research results, are also deemed to constitute irregularities in the context of this article. [...] Plagiarism means the use of other people's work, adapted or otherwise, without careful acknowledgement of sources. Plagiarism may relate to various forms of works including text, images, music, databases, structure, lines of thought, ideas. [...]*
- Check information on Common Programme Space
- A Canvas course on 'Responsible Use of Generative AI' will be available soon ...



# Facilities: WiFi



- **VUBnet**
  - university-wide hotspots provided by the VUB
  - use VUB NetID
- **IG-Airlines**
  - best option in computer rooms in building E
  - use VUB NetID
- **Eduroam**
  - hotspots at many universities (in Belgium and abroad)
  - use VUB NetID
  - append "@vub.ac.be" to username when not at VUB/ULB



# Facilities: InfoGroep



- CS student organisation
  - building E, 1st floor, [infogroep.be](http://infogroep.be)
- Services
  - maintenance of computer rooms in building E
    - Windows/Linux and macOS
    - for lab sessions and individual use
    - use your VUB NetID
  - supply copies of course notes, slides, ...
  - offer some books at discounts rates
  - can provide help with certain computer-related issues
  - nerdy stuff & social integration with DINF



# Facilities: Library & VUBtiek



- Library access is free
  - buildings B and C, 1st floor
  - [student.vub.be/en/library](https://student.vub.be/en/library)
  - student card can be used to borrow books
  - online access to scientific journals
- Course material (e.g. books)
  - Standaard student shop, building B ground floor ("VUBtiek")
  - [bol.com](https://bol.com)
  - [amazon.com.be](https://amazon.com.be)
  - ...



# Representation in VUB Structures



- VUB is a democratic university
  - student participation at all managerial levels
- Studentenraad (Dutch)
  - <https://www.vub.be/en/about-vub/vub-university-future/world-needs-you/studentenraad-project-world-needs-you>
- International Student Platform (English)
  - <https://www.vub.be/en/studying-vub/why-study-vub/living-and-studying-vub-campus/student-life/international-student-platform>
- Programme Board/Opleidingsraad
  - if you are interested, please contact the programme director ([beat.signer@vub.be](mailto:beat.signer@vub.be))
- Other boards and councils
  - Faculty, PR, department, ...



# Getting Information



- About a specific course
  - teaching assistant, professor, [canvas.vub.be](https://canvas.vub.be)
- Timetables, exam schedule, forms, ...
  - [Faculty of Science and Bio-Engineering Sciences](#)
  - room F.4.05 (secretariat "4F")
- Exceptions to curriculum, special electives
  - Reen Tallon and Sharon Eeckhout, [studietraject.we@vub.be](mailto:studietraject.we@vub.be)
- International students & Erasmus exchange
  - Marjan Maes, [marjan.maes@vub.be](mailto:marjan.maes@vub.be)
- Remaining questions (after using the 4 sources above!)
  - Kevin Pinte, [questions@dinf.vub.ac.be](mailto:questions@dinf.vub.ac.be) (DINF coordinator)