

Welcome Meeting

We invite you to a welcome meeting on

Monday, 14 October 2024

10:15 a.m.

room D.10.08

You will get useful information and answers to probable questions.

I. Introduction

International Office of University of Wuppertal

Welcome Services International

- **Ms Daria Isaeva**
building: O.06.10
Telephone.: 0202 439 2406
e-mail: Isaeva@uni-wuppertal.de
- **Mr Najib Sabbagh**
building: B.06.06
telephone: 0202 439 5266
e-mail: Sabbagh@uni-wuppertal.de

Student body of Physics

Contact in case of general student issues.

- **Mr Jakob Näckel**
room: G.11.43
phone: (0202) 439 3538
e-mail: fachschaftphysik@uni-wuppertal.de
website: <https://www.physik-fachschaft.uni-wuppertal.de/de/>

II. Topics relevant to the degree programme

Some useful hints

- Consider attending the classes as mandatory.
- Be on time and communicate responsibly and respectfully.
- Study continuously throughout the semester.
- Check StudiLÖwe for Moodle links.
- Fill in the form “CSiS statement” <https://www.csis.uni-wuppertal.de/de/examinations/forms-for-students/> before the first exam and submit the form at the CSiS office.
- Read the examination regulations which are in English on the [web page](#).
 - Note that you need 70 credits of completed modules as well as the successful passing of CSim1, CSim3 and CFM1 or at least one specialization module before you can start the master thesis.
- Do not remove the facilities of the computer labs.

Modules 1st semester

- **Computer Simulation:** **CSim1**
 - a) **Block Course on Mathematical Foundations**
 - b) **Lab course 1**
 - c) **Introduction to Computer Simulation**
- **Computer Science:** **CS1**
 - a) **Modern Programming**
 - b) **Virtualization 1 or**
 - c) **Introduction to High Performance Computing (HPC)**
- **Numerical Methods:** **NM1 or NM1a**
Numerical Analysis and Simulation I (NM1)
or
Advanced Numerics (NM1a)

Specializations

- Start in 2nd semester
- More info at the end of 1st semester and under appendix

Exams 1st semester

Module examinations:

- **CSim1** written, can be repeated twice at the utmost; registration for exam necessary; successful passing of the Block Course exam and 50 % exercises Introduction to Computer Simulation and upload of at least 10 solutions for LabCourse I, are required for admission to the exam

Block Course e-exam dates: **25.10.2024 + repetition 22.11.2024** from 2:30 pm – 3:30 pm
room: L.11.22

Please come 15 minutes earlier and bring a pen and one page (single sided, A4) of hand-written notes.

CSim1 final module e-exam dates: **24.02.2025 + repetition 24.03.2025** from 09:00am –12:00 noon
room: D.11.01 CompassLab

Please come 15 minutes earlier.

- **CS1** written or oral; form announced at the beginning
- **NM1** written or oral; form announced at the beginning;
ungraded weekly exercises required for admission to the exam
or
- **NM1a** assessment folder; content, deadline and form of individual assignments
will be announced at the beginning

CSiS Timetable 1st semester

Lecture period: 14.10.2024 – 31.01.2025

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8.15 - 9.45		CEM EM Theory FH04 (Freudenberg Campus) Haußmann Start: 15.10.2024	NumAnalysis and Sim.: ODE MAT032000 HS 19 Ehrhardt Start: 16.10.2024		
10.00 - 11.00	Introduction to Computer Simulation CSISMCSim1aV D.10.08 / Knechtli Start: 14.10.2024	Lab Course I CSISMCSim1cV D.10.08/ Urrea Nino Start: 15.10.2024	Exercises Introduction to Computer Simulation (1h) CSISMCSim1aU D.11.01 / Urrea/Asmussen Start: 16.10.2024	NumAnalysis and Sim.: ODE MAT032000 G.13.18 Ehrhardt Start: 17.10.2024	Exercises Advanced Numerics MAT038001 G.10.06/HS 6 Walsken Start: 18.10 .
11.00 - 12.00					
12.15 - 13.45	Modern Programming MAT516000 O.06.01 – HS 15 Arndt Start: 14.10.2024	Advanced Numerics MAT038000 HS 07 Ehrhardt Start: 15.10.24	Exercises + Introd. Modern Programming MAT516001 HS 27 or G.16.15 Arndt Start: 23.10.2024	CEM EM Theory FH04 (Freudenberg Camp.) Haußmann Start: 17.10.2024	Introduction to High Performance Computing CSISMCS1cV D.10.08 Wong Start: 18.10.2024
14.00 - 15.00	CEM Exercises EM Theory FH04 (Freudenberg Camp.) Haußmann Start: 21.10.2024	Virtualization 1 CSISMCS1bV D.11.01 Harenberg / Sandhoff Start: 15.10.2024		Exercises Lab Course I CSISMCSim1cV D.11.01 Urrea Nino Start: 17.10.2024	CSIS Help Room CSISMhelpU D.11.01 Elisha Langat Start: 01.12.2024
15.00 - 16.00					
16.00 - 17.00	Advanced Numerics MAT038000 G.13.18 Ehrhardt Start: 14.10.2024				
17.00 - 18.00					
18.00 - 21.00	German in the evening A1, A2 B1 – online class@ sli start: 21.10.	German in the evening A1, A2, B1 – online class@ sli start: 22.10.			

Please register for all a.m. courses on Moodle: <https://moodle.uni-wuppertal.de/>.
 CEM students: contact Mr. Norman Haußmann by email: haussmann@uni-wuppertal.de

Moodle registration for classes

OBLIGATORY COURSES from module reference book :

<https://www.csis.uni-wuppertal.de/de/program-curriculum/module-reference-book/csis-2020.html>

Obligatory Courses/ Module Name:	Course Name:	Module Component: (module reference book)	Moodle Link: will be announced shortly
Computer Simulation 1	Introduction to Computer Simulation	CSISMCSim1aV	https://moodle.uni-wuppertal.de/course/view.php?id=40170
Computer Simulation 1	Introduction to Computer Simulation	CSISMCSim1aU	https://moodle.uni-wuppertal.de/course/view.php?id=40170
Computer Simulation 1	Block Course on Mathematical Foundations	CSISMCSim1bV	https://moodle.uni-wuppertal.de/enrol/index.php?id=40206
Computer Simulation 1	Lab Course I	CSim1-c	https://moodle.uni-wuppertal.de/enrol/index.php?id=40207
Computer Simulation 1	Help Room Course	CSISMhelpU	https://moodle.uni-wuppertal.de/course/view.php?id=41036
Computer Science 1	Modern Programming	CS1-a	https://moodle.uni-wuppertal.de/enrol/index.php?id=39946
(either) Computer Science 1	Virtualization I	CSISMCS1bV	https://moodle.uni-wuppertal.de/enrol/index.php?id=40205
(or) Computer Science 1	Introduction to High Performance Computing (HPC)	CS1-c	https://moodle.uni-wuppertal.de/enrol/index.php?id=40208
Numerical Methods 1	Numerical Analysis and Simulation I ODE or Advanced Numerics	NM1-a or NM1a	https://moodle.uni-wuppertal.de/enrol/index.php?id=40333 or https://moodle.uni-wuppertal.de/enrol/index.php?id=40338

Computer accounts

Physics: Send your 7-digit student ID number to the CompassLab system administrator, Ralf Häusling: haeuslin@uni-wuppertal.de .

Mathematics: Instructions will be given in the lecture of Modern Programming by Dr. Arndt.

MATLAB: To get a MATLAB license register with your ZIM account at:
<https://de.mathworks.com/academia/tah-portal/bergische-universitat-wuppertal-30960999.html>

After ex-matriculation all accounts will be deleted.

Help on programming skills

“Help room for programming” by CSiS study programme as of 01.12.2024

Moodle enrolment: <https://moodle.uni-wuppertal.de/course/view.php?id=41036>

Tutor: Elisha Lang’at, MSc student

Programming Workshop by School of Electrical, Information and Media Engineering

Moodle enrolment:
<https://fk6.uni-wuppertal.de/en/studies/current-students/programmierwerkstatt/>

Tutors: Niclas Grabowski and André Pomp

Contact Details



CSiS Coordinator

- **Mr Prof. Dr. Francesco Knechtli**
room: D.10.24
phone: (0202) 439-2630
e-mail: knechtli@physik.uni-wuppertal.de

CSiS Secretariat

- **Ms Susanne vom Brocke**
room: F.10.05
phone: (0202) 439-2594
e-mail: vombrocke@uni-wuppertal.de

website: <http://www.csis.uni-wuppertal.de/>

Appointments can be requested via email to vombrocke@uni-wuppertal.de . Provide brief information about the reason for appointment request.

Examination Office CSiS

Transcript of records, Master thesis submission,
Master certificates:

- **Mr Philipp Depiereux**
room: T.12.05
phone: (0202) 439-5096
e-mail: depiereux@uni-wuppertal.de
website: <https://www.zpa.uni-wuppertal.de/de/studiengaenge/master/master-of-science-studiengaenge/msc-computer-simulation-in-science-po-2023/>

Quality of Studies and Teaching/ QSL Office

Contact for questions on the quality of studies and teaching:

- **Mr Tom Asmussen, MSc**
- **as of 01.12.: Ms Sara Awwad, MSc**
room: G.11.37
phone: (0202) 439 3439
e-mail: asmussen@uni-wuppertal.de
website: <https://fk4.uni-wuppertal.de/de/studium/qualitaet-in-studium-und-lehre>

Contact Details

Student Admission and Registration: IntSek office

Contact address on all questions regarding enrolment, matriculation, ex-matriculation, semester fee, semester ticket, semester certificate.

Open hours at main entrance building G.08.16. : **Tues and Thurs: 9.00 a.m. - 12.00 p.m.**

Telephone enquiries and advice: (0202) 439-3836 or 439 – 5139

Wednesdays from 2:00 – 4:00 pm

e-mail: intsek@uni-wuppertal.de

website: <https://www.uni-wuppertal.de/en/international/international-profile/actors/contact/student-admission-and-registration-for-international-students/>

“StudiLöwe” is the university’s official course directory.

There you can update your address information, download your semester certificate and your current transcript of records at any time: <https://www.studilöwe.uni-wuppertal.de>.

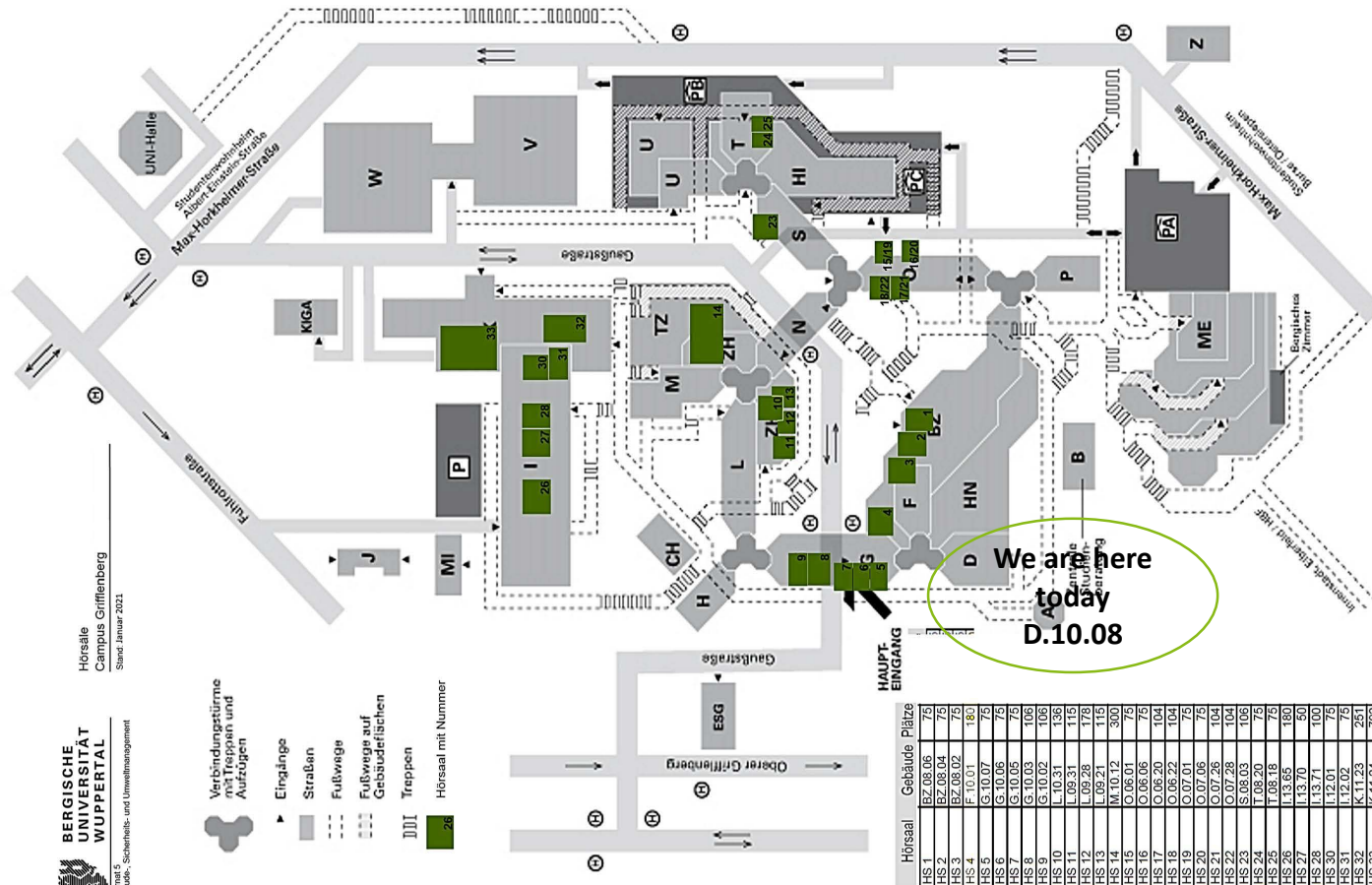
Save the Dates

- **Excursion Programme for International Students:** throughout winter semester
- **FK4 Welcome Event by the International Center:** on request tbd by Najib Sabbagh
- **Weekly international students get-together:** every Thursday at 7:00 pm at the Uni Kneipe
(ME.04)
- **Get-together Day at University of Wuppertal:** 05.12.2024 from 4:00 – 6:30 pm at the BUW church; register under: intouch@uni-wuppertal.de
- **Announcement of exam dates** before Christmas break Dec. 2024
- **Christmal break** 23.12.2024 – 03.01.2025
- **Lecture period ends** 31.01.2025

Helpful links

- IntSek office (admission and registration: <https://www.uni-wuppertal.de/de/internationales/internationale-studierende/>)
- Students Services Center: <https://www.uni-wuppertal.de/en/ssc/>
- Enrolment procedure: <https://www.uni-wuppertal.de/en/international/international-students/enrolment/>
- Residents registration office: <https://www.uni-wuppertal.de/en/international/international-students/enrolment/residents-registration-office/-foreign-citizens-office/>
- Certificate of enrolment: <https://www.uni-wuppertal.de/en/international/international-students/enrolment/certificate-of-enrolment/>
- Buddy Programme by International Student Team (IST): <https://www.international-students-wuppertal.de/wir-uber-uns/internationaler-stammtisch/>
- German classes: <https://www.uni-wuppertal.de/en/international/international-students/learn-and-improve-german/> or https://buchung.sli.uni-wuppertal.de/angebote/aktueller_zeitraum/German_in_the_Evening.html
- Psychological Counselling: <https://www.zsb.uni-wuppertal.de/de/beratung/psychologische-beratung/>
- Moodle: <https://moodle.uni-wuppertal.de/login/index.php>
- StudiLöwe: <https://www.studilöwe.uni-wuppertal.de/qisserver/pages/cs/sys/portal/hisinoneStartPage.faces>

Campus map



Appendix: CSiS Curriculum



Overview CSiS Curriculum based on Examination Regulations 2020

Pflichtbereich / Compulsory Subjects

Term	Computer Simulation		Computer Science		Numerical Methods	
1 (WiSe)	Computer Simulation 1	11 CP	Computer Science 1	9 CP	Numerical Methods 1	8 CP
	Lab Course I	150h	Modern Programming	180h	Numerical Analysis and Simulation I	240h
	Introduction to Computer Simulation	120h	Virtualization I	90h	or	
28 CP	Block Course on Mathematical Foundations	60h	or		Advanced Numerics	240h
			Introduction to HPC	90h		
2 (SoSe)	Computer Simulation 2	13 CP	Computer Science 2	3 / 7 CP	Numerical Methods 2a / 2b	8 CP
	Data Analysis	150h	Tools	90h	Numerical Methods 2a: Numerical Analysis and Simulation II	240h
	Parallel Algorithms	240h			or	
24 CP					Numerical Methods 2b: Numerical Methods in Classical Field Theory and Quantum Mechanics	240h
3 (WiSe)	Computer Simulation 3	12 CP	Computer Science 2 (contd.)	4 / 7 CP	Numerical Methods 3	6 CP
	Introduction to Computer Simulation II	120h	Image Processing and Data Visualization	120h	Numerical Linear Algebra	180h
22 CP	Lab Course II	240h	or			
			Virtualization II	120h		

Table 1: Overview CSiS Curriculum: Obligatory Subjects

Thank you for
your attendance!