



University of Stuttgart
Germany



M.Sc. WASTE

Welcome GENERATION 2023!

M.Sc. WASTE
20.10.2023

Dr.-Ing.
Carolina Acuña
Caro

Laura Scheurer
M.A.



AGENDA



University of Stuttgart
Germany

14:00 – 14:30	Welcome Presentation
14:30 – 15:30	Photoshoot
15:30 – 16:15	Prof. Dr. Andreas Kronenburg, Dean of Studies
16:15 – 17:00	Extracurricular activities; experiences from current students
17:00 – 17:30	Election of: Class speaker Newsletter coordinators, WIM coordinators
17:30	Get-together and Snacks



M.Sc. WASTE Office

M.Sc. WASTE Office Team



University of Stuttgart
Germany

Dean of Studies



Prof. Dr.
Andreas
Kronenburg

Course Director



Dr. -Ing.
Carolina Acuña Caro

Course Manager



Laura Scheurer
M.A.



M.Sc. WASTE Office

M.Sc. WASTE Office Team



University of Stuttgart
Germany



M.Sc. WASTE Office (Room 0.02)

Announcements via E-mail

Organization of events

E-mail: info@waste.uni-stuttgart.de

M.Sc. WASTE Course Director (Room 0.03)

Dr. -Ing. Carolina Acuña Caro

Office hours: **Upon appointment**

Phone: +49 (0) 711 685 68947

E-mail: cd-waste@ifk.uni-stuttgart.de

M.Sc. WASTE Course Management (Room 0.04)

Laura Scheurer, M.A.

Office hours: **Upon appointment**

Phone: +49 (0) 711 685 68936

E-mail: cd-waste@ifk.uni-stuttgart.de

M.Sc. WASTE Committees

M.Sc. WASTE Team



University of Stuttgart
Germany



Examination Committee (Prüfungsausschuss)

Chairman: Prof. Ph.D. Carsten Mehring

Admissions Committee (Zulassungsausschuss)

Chairman: Prof. Ph.D. Carsten Mehring



Study Committee (Studienkommission)

Chairman: Prof. Dr.-Ing. Andreas Kronenburg

M.Sc. WASTE Office and partners

International Center (IO – International Office)



University of Stuttgart
Germany

Social Affairs

They provide you:

- ✓ Assistance with legal and social procedures
- ✓ Accommodation
- ✓ Scholarships

<https://www.uni-stuttgart.de/en/university/international/service>



**Ms. Svenja
Wübker**

International Master Students + DAAD Scholars

Consultation hours:
Mo. and Wed. 2:00 – 4:00 p.m.
Tue. and Thu. 10:00 a.m. – 12:00 p.m.
(and upon appointment)

wuebker@ia.uni-stuttgart.de



**Ms. Marion
Hanssen**

Double Degree Students

Consultation hours:
Mo. and Wed. 2:00 p.m. – 4:00 p.m.
Tue. and Thu. 10:00 a.m. – noon

hanssen@ia.uni-stuttgart.de



Universität Stuttgart
Zentrale Studienberatung(ZSB)

Learning Counseling in the Student Counseling Center

Tips and advice for successful learning

- Learning skills newsletter in the winter semester
- Counseling for individual students and learning groups
- Workshops on:
 - *Efficient learning methods and exam preparation*
 - *Learning regularly, avoiding procrastination*



Contact for appointment & newsletter subscription:
lernberatung@uni-stuttgart.de

The M.Sc. WASTE: An Overview

Introduction



University of Stuttgart
Germany



Background:

- Chemical
- Civil
- Process
- Mechanical

Theoretical background to engineer creative solutions for environmental challenges

State-of-the-art environmental and process technologies

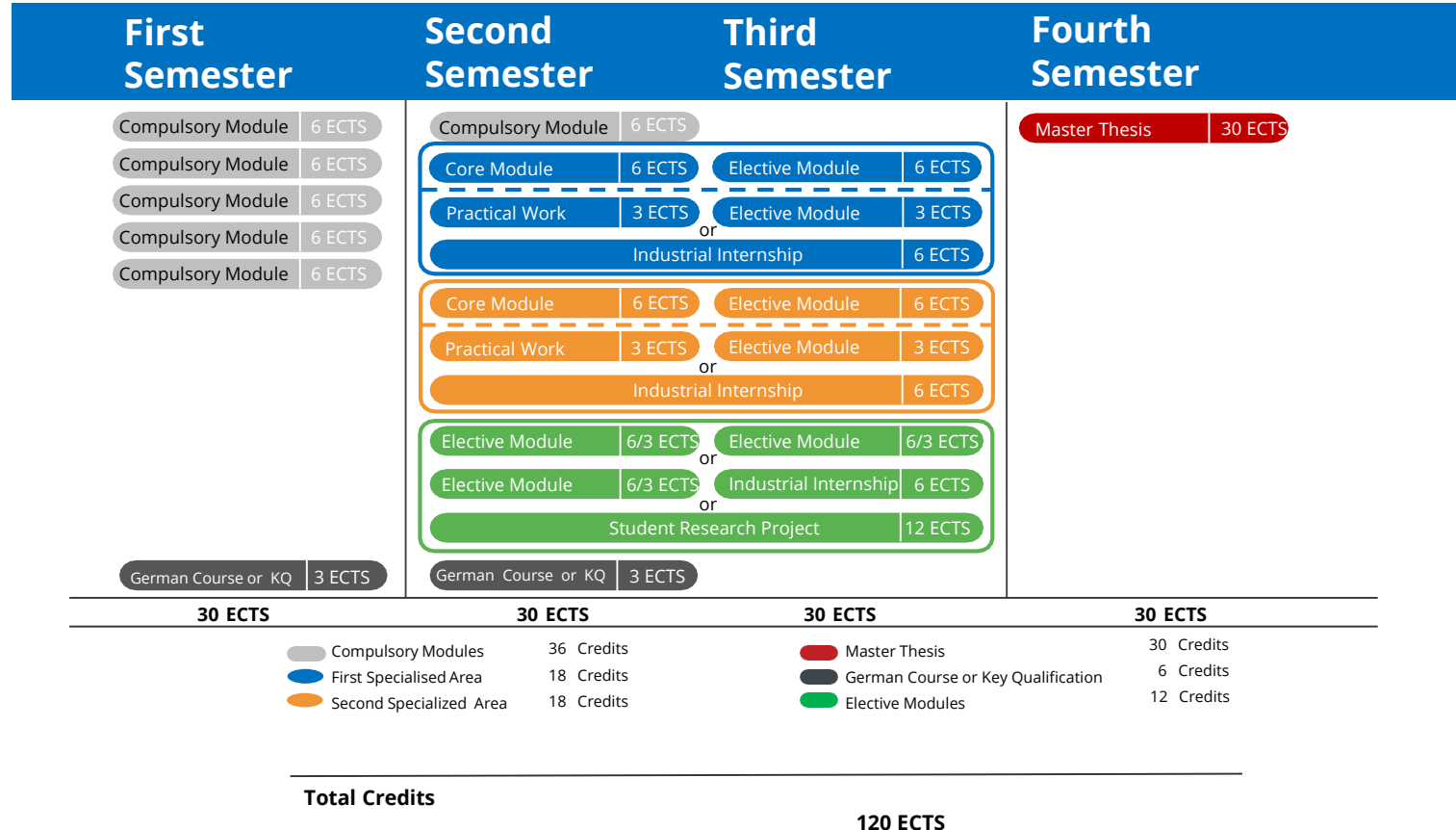
Individual profile in the environmental sector

Practical experience excursions to companies and industrial and/or municipal facilities

The M.Sc. WASTE: Macrostructure



University of Stuttgart
Germany



The M.Sc. WASTE: Macrostructure



University of Stuttgart
Germany



M.Sc. WASTE

Advanced modules (36 credits)

- Consolidation via 6 compulsory modules

2 Specialized Areas (18 credits each)

- Air Quality Control
- Solid Waste
- Waste Water Process Engineering

Elective Modules (12 credits)

- Modules in English and German
- Student Research Project
- Industrial Internship

German Course and/or Key Qualifications (6 credits)

Master Thesis (30 credits)





Compulsory Modules of the 1st and 2nd semester

- Thermo- and Fluid Dynamics (Kronenburg/Germann)
- Pollutant Formation and Air Quality Control (Kronenburg/Vogt)
- Chemistry and Biology for Environmental Engineers (Kleindienst/Hazari/Kuch)
- Sanitary Engineering (Duelli/Schönberger)
- **Process Engineering (Eiden/Trautmann)**
- Technology Assessment and Presentation Techniques (Hufendiek)



M.Sc. WASTE Schedule WS2023/24 – 1. Semester



M.Sc. Air Quality Control,
Solid Waste and Waste Water
Process Engineering
(WASTE)

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00-9:30	Sanitary Engineering: Solid Waste Management Dr. Duelli V47.03			Chemistry and Biology for Environmental Engineers Dr. Hazari/Dr.Kuch V7.11	
9:45-11:15	Sanitary Engineering: Waste Water Technology Dr. Schönberger V38.04	Thermo and Fluid Dynamics: Thermodynamics of Fluid Mixtures,V Prof. Kronenburg V23.01	Technology Assessment and Presentation Techniques: Technology Assessment and Environmental Economics Dr. Fahl V9.32	Pollutant Formation and Air Quality Control: Chemistry and Physics of Combustion,V Prof. Kronenburg V23.01	Pollutant Formation and Air Quality Control: Basics of Air Quality Control Dr. Vogt V23.01
11:30-13:00			Thermo and Fluid Dynamics: Flow and Heat Transfer Prof. Germann V7.22	Thermo and Fluid Dynamics: Flow and Heat Transfer,Ü Prof. Germann V5.03	Pollutant Formation and Air Quality Control: Chemistry and Physics of Combustion,Ü Thermo and Fluid Dynamics: Thermodynamics of Mixtures, Ü - Alternating Prof. Kronenburg V23.01
14:00-15:30	Chemistry and Biology for Environmental Engineers¹ Dr.Hazari/Dr.Kuch V47.04/V6.02	Chemistry and Biology for Environmental Engineers¹ Dr. Hazari/Prof. Kleindienst V7.04		Technology Assessment and Presentation Techniques: Academic Communication Skills – Group 1 Dr. Böhner Pfaff. 23, S0.38	
15:45-17:15	Chemistry and Biology for Environmental Engineers¹ Dr.Hazari/Dr.Kuch V47.04/V6.02	Chemistry and Biology for Environmental Engineers¹ Dr. Hazari/Prof. Kleindienst V7.04		Technology Assessment and Presentation Techniques: Academic Communication Skills – Group 2 Dr. Böhner Pfaff. 23, S0.38	
17:45-21:00	German language course²		German language course²	German language course²	

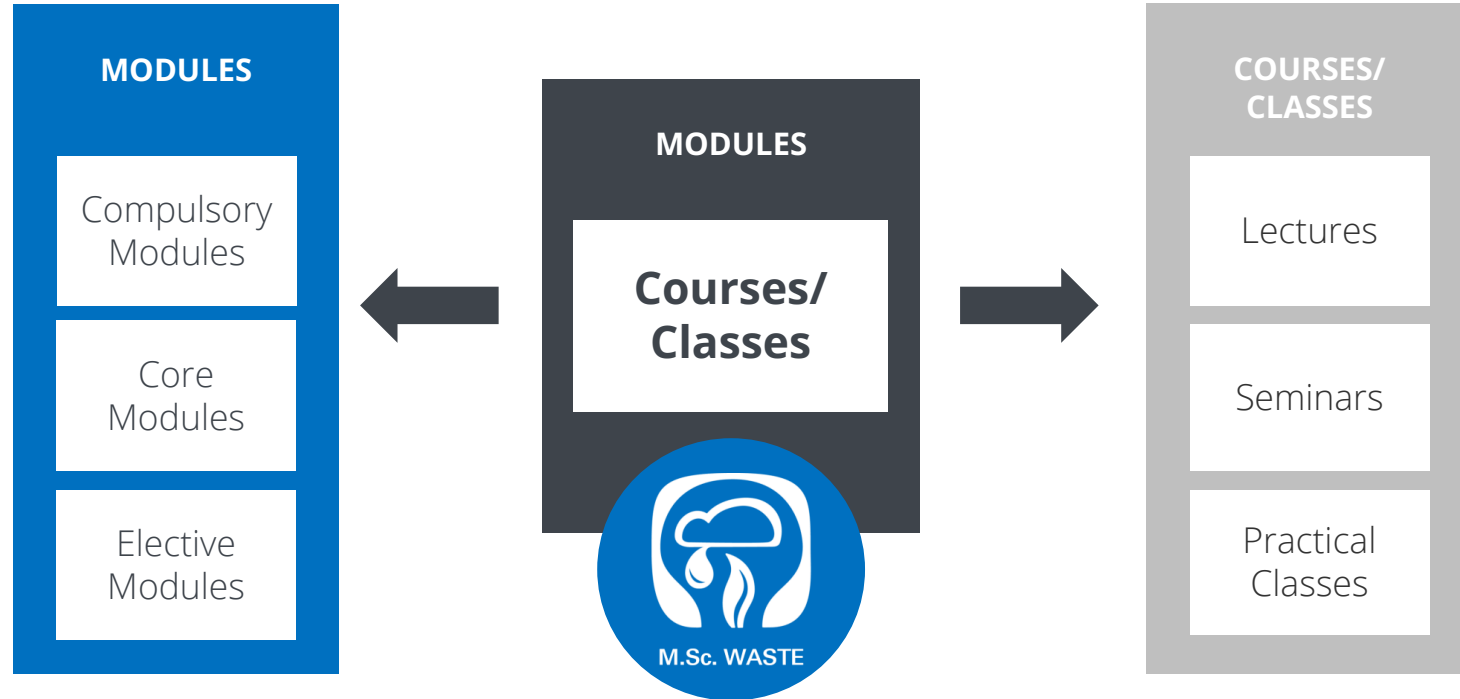
¹ First Quarter of the Semester: Inorganic Chemistry; Second Quarter: Organic Chemistry; Third Quarter: Biology and ecology of water, soil and air systems; Last Quarter: Technical and medical microbiology for engineers.

² German as Foreign Language: Monday or Wednesday or Thursday

The M.Sc. WASTE: Modules definition



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Germany

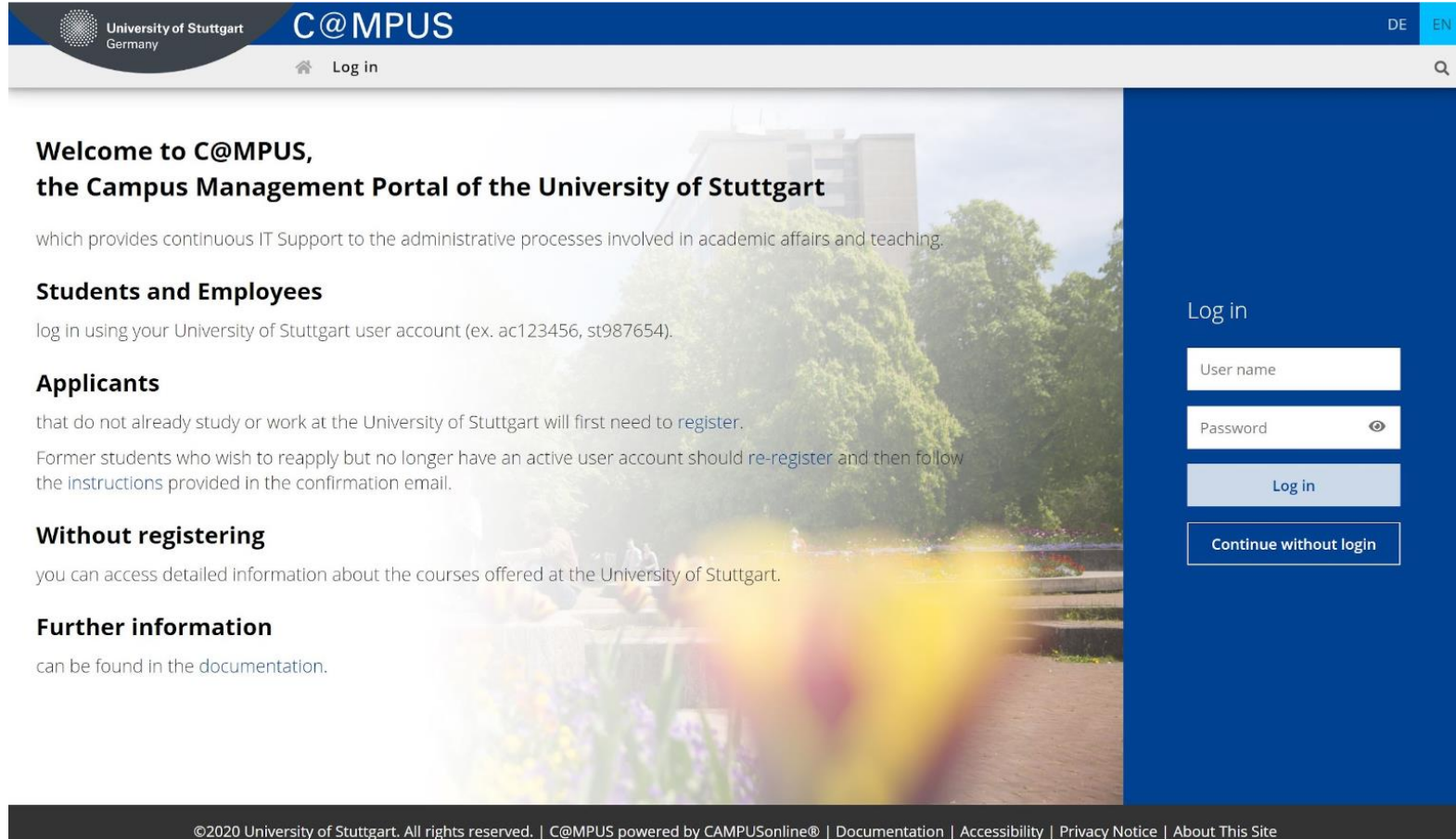


Organizing my studies

[C@MPUS Platform](#)



University of Stuttgart
Germany



The screenshot shows the C@MPUS platform homepage. The header is dark blue with the University of Stuttgart logo and name on the left, the C@MPUS logo in the center, and language selection (DE, EN) on the right. Below the header is a light gray navigation bar with a home icon and 'Log in' text. The main content area has a background image of a university building and garden. It contains a welcome message, a description of the platform, and sections for Students and Employees, Applicants, and Without registering. A right sidebar on a dark blue background contains a 'Log in' section with input fields for 'User name' and 'Password', a 'Log in' button, and a 'Continue without login' button. The footer is dark gray with copyright and navigation links.

University of Stuttgart
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C@MPUS

DE EN

Log in

Welcome to C@MPUS,
the Campus Management Portal of the University of Stuttgart

which provides continuous IT Support to the administrative processes involved in academic affairs and teaching.

Students and Employees

log in using your University of Stuttgart user account (ex. ac123456, st987654).

Applicants

that do not already study or work at the University of Stuttgart will first need to [register](#).

Former students who wish to reapply but no longer have an active user account should [re-register](#) and then follow the instructions provided in the confirmation email.

Without registering

you can access detailed information about the courses offered at the University of Stuttgart.

Further information

can be found in the [documentation](#).

Log in

User name

Password

Log in

Continue without login

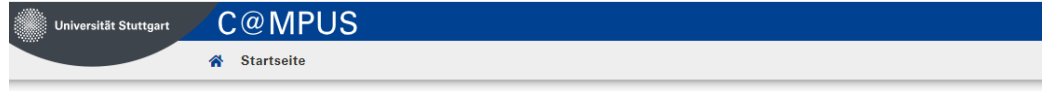
©2020 University of Stuttgart. All rights reserved. | C@MPUS powered by CAMPUSonline® | [Documentation](#) | [Accessibility](#) | [Privacy Notice](#) | [About This Site](#)

Organizing my studies

C@MPUS Platform

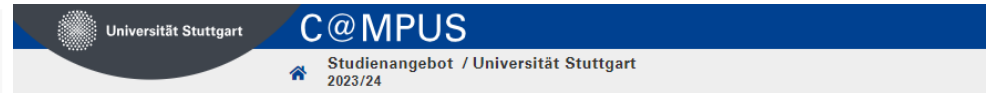
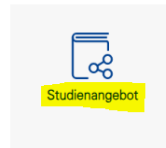


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Alle Applikationen ▾

Filtern nach Applikationstitel...



Studienjahr (2023/24) ▾


abschlussziel 📄	Kennzahl 📄	Studienplan 📄
▶ E1 Ergänzungsfach		
▶ Z0 Zusatzangebot		
▶ 06 Promotion		
▶ 25 Lehramt am Gymnasium		
▶ 38 Bachelor of Arts (Lehramt)		
▶ 62 Master of Education (Erweiterungsfach)		
▶ 64 Master of Education (Lehramt)		
▶ 68 Bachelor of Arts (Kombi)		
▶ 78 Master of Education (Lehramt nach Fachbachelor)		
▶ 82 Bachelor of Science		
▶ 84 Bachelor of Arts		
▼ 88 Master of Science		
18 Master of Science	926	Air Quality Control, Solid Waste and Waste Water Process Engineering (LHG/926-2015) 📄
18 Master of Science	013	Architektur und Stadtplanung (LHG/013-2017) 📄
18 Master of Science	975	Artificial Intelligence and Data Science (LHG/975-2022) 📄
18 Master of Science	003	Autonomous Systems (LHG/003-2010) 📄

Organizing my studies


[C@MPUS Platform](#)



University of Stuttgart
Germany

 Universität Stuttgart

C@MPUS



 Studienplan / 88 926 Air Quality Control, Solid Waste and Waste Water Process Engineering (LHG/926-2015, Masterstudium, laufend)
Studienjahr 2023/24

Studienplan Semesterplan




Anzeige ▼ Knotenfilter (Alle) ▼ Studienjahr (2023/24) ▼

Knotenfilter-Bezeichnung




☐

 [926-2015] Air Quality Control, Solid Waste and Waste Water Process Engineering 




☐

 [100] Advanced Modules  




☐

 [200] Specialized Area  




☐

 [300] German Language Courses and Key Qualifications  


☐

 [81310] Master's Thesis WASTE  




☐

 [DM] Doppelmaster-Programme  

☐

 [DV] Drittversuche

☐

 [700] Zusatzmodule  

- C@MPUS Student Profile

Organizing my studies

[C@MPUS Platform](#)



University of Stuttgart
Germany

The screenshot shows the C@MPUS Student Profile dashboard. At the top, there is a blue header bar with the University of Stuttgart logo and the text 'C@MPUS'. Below the header, there is a 'Home' button. The main content area is divided into two sections: 'Favourites' and 'All applications'. The 'Favourites' section contains five icons: 'My Calendar', 'My Examination Dates', 'My Achievements', 'My Study Program' (highlighted in yellow), and 'My Courses'. Below this section is a button labeled 'Show only Favourites ^'. The 'All applications' section contains a search bar labeled 'Filter by application title...' and a grid of 20 application tiles. The tiles are arranged in 5 rows and 4 columns. The first row contains 'My Calendar', 'My Courses', 'My Examination Dates', and 'My Achievements'. The second row contains 'My Study Program', 'My Student Files', 'My Certificates & Transcripts', and 'Transcripts'. The third row contains 'My Current/Home Address', 'My Fees and Payments', 'My Requests', and 'My Student Dossier'. The fourth row contains 'Change My Password (SIAM)', 'My Applications', 'All Study Programs', and 'Module Catalog'. The fifth row contains 'All Examination Dates', 'C@MPUS Documentation', and 'Course Catalog'. A 'Recommendation' button is located in the top right corner of the 'All applications' section.

- C@MPUS Student Profile

Curriculum




Semester plan

Display ▼

Node filter (All) ▼

Show my degree programmes

Academic achievements, by: 17.10.2023 11:45

Node filter-Name	rec. sem.	Credits	WF	Results	Sel	Pass	DF	RM	Cre
<input type="checkbox"/> [926-2015] Air Quality Control, Solid Waste and Waste Water Process Engineering 		120	1			P	EN		63
<input type="checkbox"/> ▲ [100] Advanced Modules			1			P	EN		36
<input type="checkbox"/> ▲ [200] Specialized Area			1			P	EN		21
<input type="checkbox"/> ▲ [300] German Language Courses and Key Qualifications			1			P			6
<input type="checkbox"/>  [81310] Master's Thesis WASTE 		30	30			P	EN		
<input type="checkbox"/> ▲ [DM] Double Masters Programs			1				EN		0
▲ [DV] 3rd Attempts			1				EN	R	
▲ [700] Add-on Modules			1						

Curriculum

Semester plan

Display ▼

Node filter (All) ▼

Show my degree programmes

Academic achievements, by: 17.10.2023 11:45

Node filter-Name	rec. sem.	Credits	WF	Results	Sel	Pass	DF	RM	Cre
<input type="checkbox"/> [926-2015] Air Quality Control, Solid Waste and Waste Water Process Engineering		120	1			P	EN		63
<input type="checkbox"/> ▲ [100] Advanced Modules			1			P	EN		36
<input checked="" type="checkbox"/> ▲ [110] Compulsory Modules			1			P	EN		36
<input type="checkbox"/> ▲ [120] Elective Modules			1			P	EN		0
<input checked="" type="checkbox"/> M [67070] Industrial Internship		6	6			P			
<input checked="" type="checkbox"/> M [81320] Student Research Project		12	12			P	EN		
<input type="checkbox"/> ▲ [122] Elective Modules 3 CP			1				EN		0
<input type="checkbox"/> ▲ [1221] Elective Modules 3 CP (in english language)			1				EN		0
<input checked="" type="checkbox"/> M [36550] Chemistry of Atmosphere		3	3			P			
<input checked="" type="checkbox"/> M [39110] Air Quality Management		3	3			P			
<input checked="" type="checkbox"/> M [39130] Engine Combustion and Emissions		3	3			P			
<input checked="" type="checkbox"/> M [39140] Sustainable Production Processes		3	3			P			
<input checked="" type="checkbox"/> M [39660] Biological Waste Air Purification		3	3			P			
<input checked="" type="checkbox"/> M [41010] Modeling of Two-Phase Flow		3	3			P			
<input checked="" type="checkbox"/> M [58100] Constructed wetlands for wastewater treatment		3	3			P			
<input checked="" type="checkbox"/> M [70430] Operational Technology for Waste Treatment		3	3			P			
<input checked="" type="checkbox"/> M [76190] Nuclear Waste		3	3			P			
<input checked="" type="checkbox"/> M [100270] Design of Biological Waste Treatment Plants		3	3			P			




Curriculum

Semester plan

Display ▼

Node filter (All) ▼

Show my degree programmes

 ▲ [122] Elective Modules 3 CP			1		EN
 ▲ [1221] Elective Modules 3 CP (in english language)			1		EN
 M [36550] Chemistry of Atmosphere		3	3		P
 M [39110] Air Quality Management		3	3		P
 M [39130] Engine Combustion and Emissions		3	3		P
 M [39140] Sustainable Production Processes		3	3		P
 M [39660] Biological Waste Air Purification		3	3		P
 M [41010] Modeling of Two-Phase Flow		3	3		P
 M [58100] Constructed wetlands for wastewater treatment		3	3		P
 M [70430] Operational Technology for Waste Treatment		3	3		P
 P [70431] Operational Technology for Waste Treatment	-		1		P
 LV [704301] Lecture Operational Technology for Waste Treatment		-	1		

Lectures in academic year 2023/24	Part	Lecturer (Assistant)	Place (1st session)	Time (1st session)
340724100 23W 25H L Operational Technology for Waste Treatment		Birk J	PWR 07 - V 7.31 (PF0703V 7.31)	25.10.23 14:00 - 17:00

Name	rec. sem.	Credits
926-2015 Air Quality Control, Solid Waste and Waste Water Process Engineering		
100 Advanced Modules		
120 Elective Modules		
122 Elective Modules 3 CP		
1221 Elective Modules 3 CP (in english language)		
70430 Operational Technology for Waste Treatment		
<input checked="" type="radio"/> 704301 Lecture Operational Technology for Waste Treatment	no semester recommended	
926-2015 Air Quality Control, Solid Waste and Waste Water Process Engineering		
200 Specialized Area		
210 Air Quality Control		
213 Elective Modules 6 CP		
2131 Elective Modules 3 CP		
70430 Operational Technology for Waste Treatment		
<input type="radio"/> 704301 Lecture Operational Technology for Waste Treatment	no semester recommended	
926-2015 Air Quality Control, Solid Waste and Waste Water Process Engineering		
200 Specialized Area		
230 Waste Water		
233 Elective Modules or Industrial Internship (6 CP)		
2331 Elective Modules 3 CP		
70430 Operational Technology for Waste Treatment		
<input type="radio"/> 704301 Lecture Operational Technology for Waste Treatment	no semester recommended	
926-2015 Air Quality Control, Solid Waste and Waste Water Process Engineering		
700 Add-on Modules		
70430 Operational Technology for Waste Treatment		
<input type="radio"/> 704301 Lecture Operational Technology for Waste Treatment	no semester recommended	
<input type="radio"/> Free registration		

[Continue](#)
[Close](#)

Go to ▾

Cancel/Close

**Degree programme:** 1590 88 926 1 WASTE**SPO-Kontext:** [VK] [704301] Lecture Operational Technology for Waste Treatment **Modify**

Group	Degree programme																			Time/place (1st date)	Lecturer [appr.SST Sum SST of cs. group]	Assistants / tutors																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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Cancel



STEP 1:
Lecture Registration
(C@MPUS)

- Access to lecture material
- Calendar
- Guarantee your spot
(Practical works - Lab)

Lectures Start: 16.10.2023

STEP 2:
Exam Registration
(C@MPUS)

- **MUST DO!**
- Allow you to take an exam
- Allocate it in the right place of your curriculum

Register period: 15.11 – 07.12.2023

Organizing my studies

[M.Sc. WASTE Website](#)



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Germany

University of Stuttgart >



University of Stuttgart
Master Program WASTE

[DE](#) / [EN](#)



Welcome to the M.Sc. WASTE

Air Quality Control, Solid Waste and Waste Water Process Engineering

We offer an extensive and unique range of graduate courses educating students to respond to the increasing environmental challenges in the fields of Air Quality Control, Solid Waste, and Waste Water Process Engineering.

[Photo: Jeramiah Backman Photography]

The M.Sc. WASTE: Basic Rules



University of Stuttgart
Germany



- Each semester around 30 Credits (+/- 10%)
- Total: 120 Credits in 4 semesters
- Industrial internship optional, minimum duration 6 weeks







Welcome to the M.Sc. WASTE – Dr. Ing. Martina Acuña Caro – Laura Scheurer M.A.





The M.Sc. WASTE: German language courses



University of Stuttgart
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M.Sc. WASTE

Language Center, University of Stuttgart

http://www.sz.uni-stuttgart.de/deutsch/daf_info.en.html

Private Language Schools

Institut für Auslandsbeziehungen (ifa)

<http://www.ifa.de/en.html>

Deutschkolleg im Ökumenischen Zentrum

<http://www.deutschkolleg-stuttgart.de/de/deutschkurs-programm.php>

VHS Stuttgart

<http://www.vhs-stuttgart.de/>

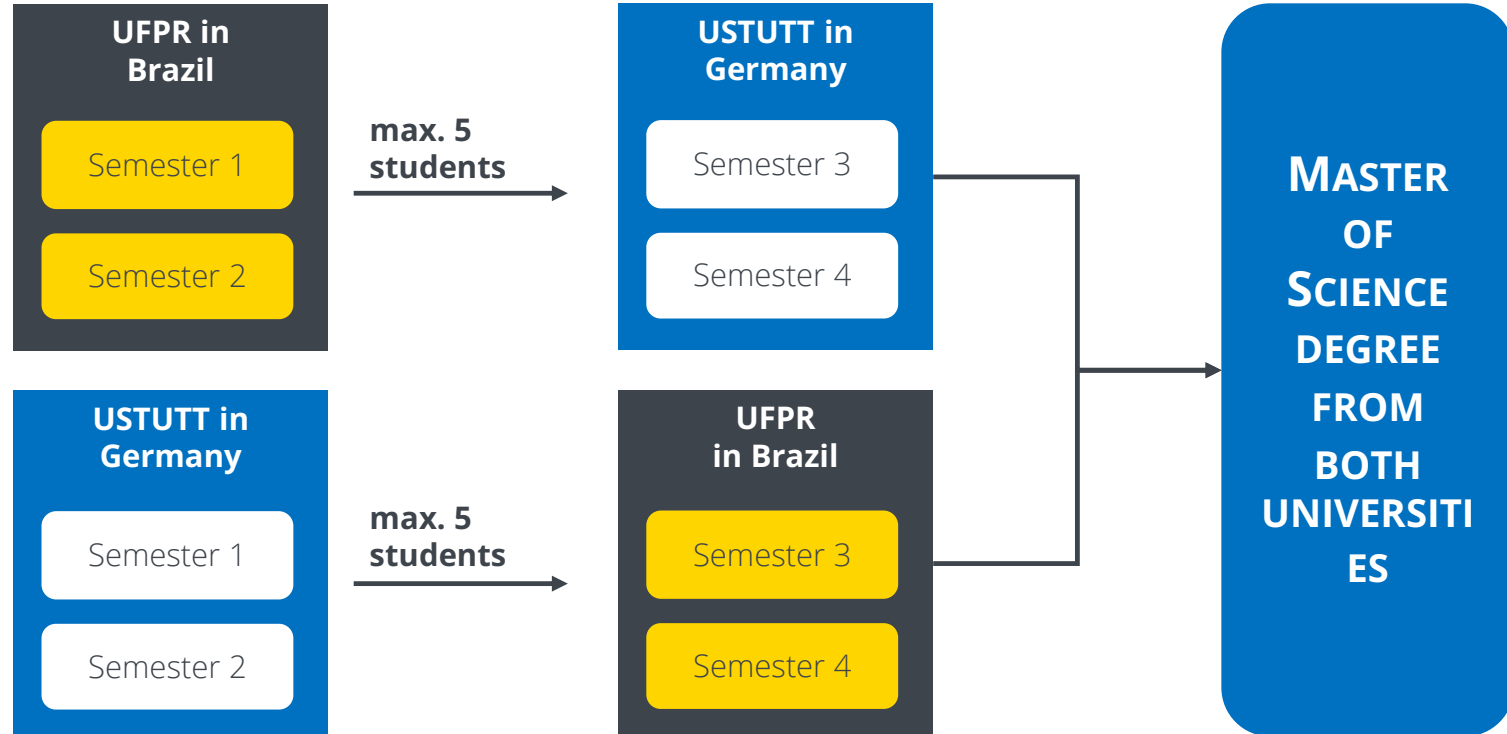
Henke Schulungen

<http://www.henke-schulungen.de/de/uebersicht.html>

The M.Sc. WASTE: Double Degree



University of Stuttgart
Germany



The M.Sc. WASTE: An Overview

Examination



University of Stuttgart
Germany



Examination Office - University of Stuttgart

Haus der Studierenden
Pfaffenwaldring 5C, 3rd floor
Campus Vaihingen

<https://www.student.uni-stuttgart.de/en/exams/student-service-examination-office/>

Office hours:

Wednesday	01:30 p.m. – 03.30 p.m.
Thursday	09:00 a.m. – 12:00 p.m.

Online consultation hours:

Monday	01:30 p.m. – 02.30 p.m.
Thursday	10:00 a.m. – 11:00 a.m.

AGENDA



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Germany

- | | |
|---------------|---|
| 14:00 – 14:30 | Welcome Presentation |
| 14:30 – 15:30 | Photoshoot |
| 15:30 – 16:15 | Prof. Dr. Andreas Kronenburg,
Dean of Studies |
| 16:15 – 17:00 | Extracurricular activities,
experiences from
current students |
| 17:00 – 17:30 | Election of: Class speaker,
Newsletter
coordinators,
WIM coordinator |
| 17:30 | Get together and Snacks |



AGENDA



University of Stuttgart
Germany

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University of Stuttgart
Germany

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15:30 – 16:15 Kronenburg,	Prof. Dr. Andreas Dean of Studies
16:15 – 17:00 current students	Extracurricular activities, experiences from
17:00 – 17:30 coordinators,	Election of: Class speaker Newsletter
	WIM coordinator
17:30	Get together and Snacks



M.Sc. Air Quality Control,
Solid Waste and Waste Water
Process Engineering
WASTE

Extracurricular Activities

WASTE Intercultural Meetings & Summer Party



University of Stuttgart
Germany



Extracurricular Activities

WASTE Intercultural Meetings & Summer Party



University of Stuttgart
Germany



Extracurricular Activities

M.Sc. WASTE Football Team



University of Stuttgart
Germany



Extracurricular Activities

M.Sc. WASTE Fundraising Activities



University of Stuttgart
Germany



Extracurricular Activities

WASTE Intercultural Meetings & Summer Party



University of Stuttgart
Germany



Extracurricular Activities

Graduation Ceremony



University of Stuttgart
Germany



Save the Date!
November 25,
2023



Extracurricular Activities

Rooms at the IFK



University of Stuttgart
Germany



IFK Computer Pool (room 0.78)

- Please do not eat and drink in the computer pool
- Please always close the window in case you are the last one to leave

M.Sc. WASTE Student Room (room 0.51)

- Keep it neat and clean!

IFK Kitchen

- Keep it neat and clean!



OUR HOUSE-ELVES
ARE CURRENTLY
ON STRIKE.

YOU WILL HAVE TO
CLEAN UP YOUR
OWN MESS UNTIL
FURTHER NOTICE.

Extracurricular Activities

M.Sc. WASTE Newsletter



University of Stuttgart
Germany



M.Sc. Air Quality Control,
Solid Waste and Waste Water
Process Engineering
(WASTE)

SUMMER SEMESTER 2020 - ISSUE 24

NEWSLETTER

CORONAVIRUS PANDEMIC: A RETROSPECTIVE OF THE DIGITAL SUMMER 2020

University of Stuttgart

EN DE FR

University of Stuttgart

EN DE FR



Newsticker: Information on the coronavirus

<https://www.uni-stuttgart.de/en/education/news/coronavirus>

In the beginning of this year we received, through the news, some vague ideas about what was happening in China during December 2019. On January 27, 2020 the first case in Germany was confirmed near Munich, Bavaria. Currently the ongoing worldwide pandemic has spread to at least 177 countries, killing more than 610,200 and sickening more than 14.7 million in a matter of months [source: New York Times Aug. 6, 2020].

Within this new context and after a confusing period trying to organize the last examinations of winter term 2019/20 as well as the coming summer term, the middle of March saw our university decided to implement home office for its employees and to ban the entrance of the students to the campuses. The main focus was directed at avoiding the further spread of the SARS-CoV-2. To stay at home was the main message of the German government during the following days, which, in the end, became months. Therefore, the university announced a fully online summer 2020 term starting with this measure a new challenge presented itself for the University of Stuttgart digital teaching. Although our university already utilized some platforms to share important material for the lectures and to assist the communication between lecturers and students, e.g. ILIAS, this situation brought a new challenge for both sides. On one hand the lecturers had to put in practice their creativity to offer attractive online lectures, while on the other, students had to organize their daily schedules and attend the lectures from their dorms/home. Unfortunately, the management of the summer term under the given conditions was not that "easy" for everybody. Some of our international students got stuck in

their home countries being unable to come back to Germany even for the period of on-site examinations. Many master thesis and student research projects were delayed until further notice.

Accordingly, corona-guidelines for study programs of the University of Stuttgart and the corona-ordinance from the Federal State Government of Baden-Württemberg were released and must be considered for each of the cases. Moreover, a very dynamic, informative situation occurred when the university started to publish updated information almost daily through their "Newsticker: Information on the coronavirus" page (<https://www.uni-stuttgart.de/en/university/news/coronavirus/>). Up to date this link is still very important to follow the latest news regarding the hygiene concept, examination rules, enrollment, travel warnings, and framework of conditions for teaching in the coming winter semester 2020/21, among others.

Since the pandemic is still an ongoing issue worldwide, we must continue taking care of ourselves but also of our neighbor. Hopefully, during this time after the confinement we realized just how important social contact is, to meet friends, to breathe fresh air, to attend a lecture, to interact with professors and colleagues, and consequently try to appreciate every moment together. Let's hope for better times!

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EXTRACURRICULAR



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TITLE STORY

WASTE DURING COVID - 19: ONLINE LECTURES

With the spread of the novel coronavirus in early 2020 and the resulting need to maintain social distancing, holding online lectures on virtual platforms have become essential. With the spread of the novel coronavirus in early 2020 and the resulting need to maintain social distancing, holding online lectures on virtual platforms have become essential. Universities across the globe quickly evolved to create digital platforms to ensure uninterrupted learning for their isolated students. At the University of Stuttgart, students use an online platform called WebEx to attend online meetings and lectures. An interview was conducted to understand the students' and the professors' feedback with regards to the online lectures and their pros and cons.

Dr.-Ing. Klaus Fischer is a visiting lecturer for the M.Sc. WASTE program and, up until three years ago, was a member of ISWA (Institute for Sanitary Engineering, Water Quality and Solid Waste Management) and a former division manager ISA. He has been conducting lectures for the WASTE program since it began and has been teaching sanitary engineering and mechanical and biological treatment of waste. He was the perfect candidate for the interview as he has been a lifelong contributor to the WASTE program.

When asked about his experience with the change to virtual platforms, he said that it was relatively easy for him as he is constantly involved in consulting and doing online meetings. Setting up online lectures was also simplified as he had his own camera and could make videos easily. In addition, he had to make some changes to his compendium to be able to send them chapter by chapter to the students.

One major change he made was giving a lot of exercises after each chapter. His objective for doing this, he said, is that the students not only read the compendium but also think about the content and read further literature about it. However, he does not find online meetings to be advantageous as they are more time consuming for the professors to prepare additional lectures and grade more exercises now compared to the past. He commented that he has been waiting desperately for the vaccination to arrive so that life could go back to normal.

When Professor Fischer really misses is the personal interactions with the students: the questions they ask and the reactions that he gets when he is giving a live lecture. Due to the online meetings, he does not have much contact with the students, and he misses interacting with them. While he doing a WebEx meeting he said "you can see only see a small picture and each person has a very small space" and he says he cannot "see the students smiling, laughing, or being tired". He remarked that even if the online format of lectures is helpful, it is still very distant from the actual classroom environment. He values the personal contact with people and finds that to be beneficial for forming a strong relationship. On the students' side, however, some interesting feedback was received. One of the students from Generation 2019, Zhaoxin Xu, said he prefers the online lectures more compared to the physical ones. He likes this kind of teaching methodology as he found it easy to adapt to. For example, he said that he could record the videos during the lectures and reply the video as many times as he wants if he has difficulty in understanding something.

He also said that studying online saves him a lot of time because he does not need to go to the classrooms, which are quite far away from his dorm.

Nevertheless, he reflected that the virtual lecture really requires self-discipline. He said it is easy to be distracted when you have a meeting virtually and that it also requires more time management skills. After the reopening of the quarantine, he opined that the virtual lecture can still be a good supplement, even if we are allowed to have normal lectures.

This switch to online teaching is something that is unprecedented for both the students and professors, but we all are embracing it as a consequence of the pandemic. While in person teaching will eventually return to campus, the crisis provides an opportunity to bring more technology to the classroom. The use of digital tools and modernizing the way courses are instructed can potentially allow students to choose how they learn best.

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Continues >>

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Extracurricular Activities

International Symposium



University of Stuttgart
Germany



December 1, 2023
ISWA,
am Bandtäle 2

<https://wasteclubstuttgart.com/vii-international-symposium-2023>

Extracurricular Activities

WASTE Club Stuttgart e.V.



University of Stuttgart
Germany

[WASTE Club Stuttgart e.V. – M.Sc. WASTE Professional Network \(wasteclubstuttgart.com\)](http://wasteclubstuttgart.com)



The **WASTE Club Stuttgart e.V.** is a professional network that supports the activities of the international Master's program M.Sc. Air Quality Control, Solid Waste and Waste Water Process Engineering (M.Sc. WASTE) at Universität Stuttgart.

- Support the M.Sc. WASTE program during events and excursions
- Consolidate a professional network with the alumni, students, lecturers, and staff of the M.Sc. WASTE program
- Foster communication and public relations among members
- Promote science, research and innovation through activities

Join us!

AGENDA



University of Stuttgart
Germany

- | | |
|---------------|---|
| 14:00 – 14:30 | Welcome Presentation |
| 14:30 – 15:30 | Photoshoot |
| 15:30 – 16:15 | Prof. Dr. Andreas Kronenburg,
Dean of Studies |
| 16:15 – 17:00 | Extracurricular activities,
experiences from
current students |
| 17:00 – 17:30 | Election of: Class speaker
Newsletter
WIM coordinators |
| 17:30 | Get together and Snacks |



Extracurricular Activities

Taskforce



University of Stuttgart
Germany

We need your commitment as:

- Class Speaker
- Task force members
- Newsletter coordinator
- WIM coordinator
- Symposium volunteers
- And more!

Ongoing project: Graduation Ceremony 2023

****Volunteers needed!**

Fill in the corresponding list!



**Sahar
Babazadeh**



**Georgios
Koilaridis**

Class Speakers
Generation 2022



AGENDA



University of Stuttgart
Germany

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Thank you!



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