



Universität  
Bremen

Fachbereich 4  
Produktionstechnik  
Maschinenbau &  
Verfahrenstechnik

# Introduction to the Master's Program Space Engineering (SpE) I & II

## Summer Semester 2023

Prof. Dr. Rodion Groll & Maria Petrogiannis

# Master of Science Space Engineering

→ **MScSpE I** (3 semesters, 90 CP)

→ **MScSpE II** (4 semesters, 120 CP)

→ is shown on your enrollment certificate

→ please check if this information, as well as the spelling of your name or other personell data on this certificate is correct.

→ ... what is the difference?

# Structure of the program

Semester	Study Phases			
<b>1-2 (SpE I)</b> <b>1-3 (SpE II)</b>	<b>Only for SpE II:</b> Foundations in Space Engineering According to the module guide "Modulhandbuch"	Specialization in Space Engineering according to the „Modulhandbuch“	Elective Modules	Master Project
	30 CP	36 CP	12 CP	
<b>3 (MScPT I)</b> <b>4 (MScPT II)</b>	30 CP Master thesis			

# Basic Modules

## „Foundations“ (For SpE-II [4 semester] only)

Course	Lecturer	Credit points
Applied Mathematical Methods and Data Analysis	Prof. Dr. Michail Vrekousis	6
Atmospheric Physics	Prof. Dr. John Philip Burrows	6
Communication Technologies (for Space)	Dr.-Ing. Carsten Bockelmann	6
Control Theory 1	Prof. Dr. Kai Michels	6
Science and Exploration Missions	Prof. Dr. Claus Lämmerzahl, Dr. Marco Scharringhausen	3
Space Electronics	Prof. Dr. Alberto Garcia-Ortiz	3

The courses of the foundations are given in winter term only. These basic courses are not necessary for understanding the contents of the advanced courses.

# Compulsory Modules

Module title	Module leader	Courses	Lecturer	CP	Wi-	Su-
Space Flight Theory	Prof. Büskens	Mission Analysis	Hr. Hallmann	3	X	
		Mission Design	Hr. Drobczyk/Hr. Nohka	1,5		X
		Trajectory Optimization	Prof. Büskens/Dr. Knauer	4,5	X	
Space Environment and Testing	Prof. Dittus	Space Environment and S/C qualification	Prof. Dittus	3		X
		Design of Space Vehicles	Prof. Rittweger	3	X	
		Product Assurance & Space Technology	Dr.-Ing. Grosse	3		X
Satellite Systems	Prof. Dittus	Thermal Control of Satellites	Prof. Dittus	3	X	
		Structural Design and Analysis	Prof. Rittweger	3		X
		Concurrent Engineering	Dr. Romberg	3	X	X
Subsystems	Prof. Rittweger	Orbital Systems	Dr. Rickmers	3		X
		Space Propulsion Systems I	Dr. Rickmers	3		X
		Spacecraft Navigation and Control	Dr. Theil	3	X	

# Elective Module

## summer term 2023

Courses	Lecturer	Credit points
Research and Exploration Mission	Prof. Lämmerzahl/ Dr. Scharringhausen	3
Human Space Exploration & Habitation	Dr. Schubert/ Dr.-Ing. Zabel	3
Scientific Payloads	Dr. Herrmann	3
On-Board Data Handling	Hr. Dannemann	3
Specification of Embedded Systems	Prof. Peleska	6
Microgravity – Drop Tower Technologies and Applications	Prof. Lämmerzahl Prof. Dittus Dipl.-Ing. Eigenbrod Prof.Dr.-Ing. Groll Dr. Herrmann	3
Fluid Handling in Spacecrafts	Prof. Dreyer	3

**For the elective module you have to select lectures with 12CP.**

# Current Summer Time Table

	Monday	Tuesday	Wednesday	Thursday	Friday	
08:00		<b>Research &amp; Exploration Missions</b> D: Lämmerzahl IW3 0200	<b>M: Space Environment and Testing</b> LV: PA & Space Technology D: Grosse IW3 0390	<b>Microgravity - Drop Tower Technologies and Applications</b> D: Lämmerzahl, Dittus, Eigenbrod, Groll, Herrmann IW3 0390		
10:00	<b>Specification of Embedded Systems</b> D: Peleska MZH 1450	<b>Specification of Embedded Systems</b> D: Peleska MZH 1450	<b>M: Spaceflight Theory</b> LV: Mission Design D: Drobczyk Nohka IW3 0330	<b>On-Board Data Handling</b> D: Dannemann IW3 0200	<b>M: Satellite Systems</b> LV: Structural Design & Analysis D: Rittweger SFG 2020	
12:00		<b>Scientific Payloads</b> D: Hermann IW3 0330		<b>M: Subsystems</b> LV: Space Propulsion Systems 1 D: Rickmers IW3 0390		
14:00	<b>M: Subsystems</b> LV: Orbital System D: Rickmers/Bauers IW3 0390		<b>Fluid Handling in Spacecrafts</b> D: Dreyer IW3 0200	<b>Human Space Exploration &amp; Habitation</b> D: Schubert/Zabel IW3 0390	<b>M: Space Environment and Testing</b> LV: Space Environment & SC Qualification D: Dittus SFG 2030	Compulsory Modules: M (19,5CPs)
16:00						
18:00	<b>M: Master Project</b>	<b>M: Satellite Systems</b> Concurrent Engineering Block course DLR; please check the course catalogue				Elective Modules: ME (24CPs)

# General Information

- Lecture courses
- Studip
- Pabo/Flex Now
- Examination regulations
- Miscellaneous

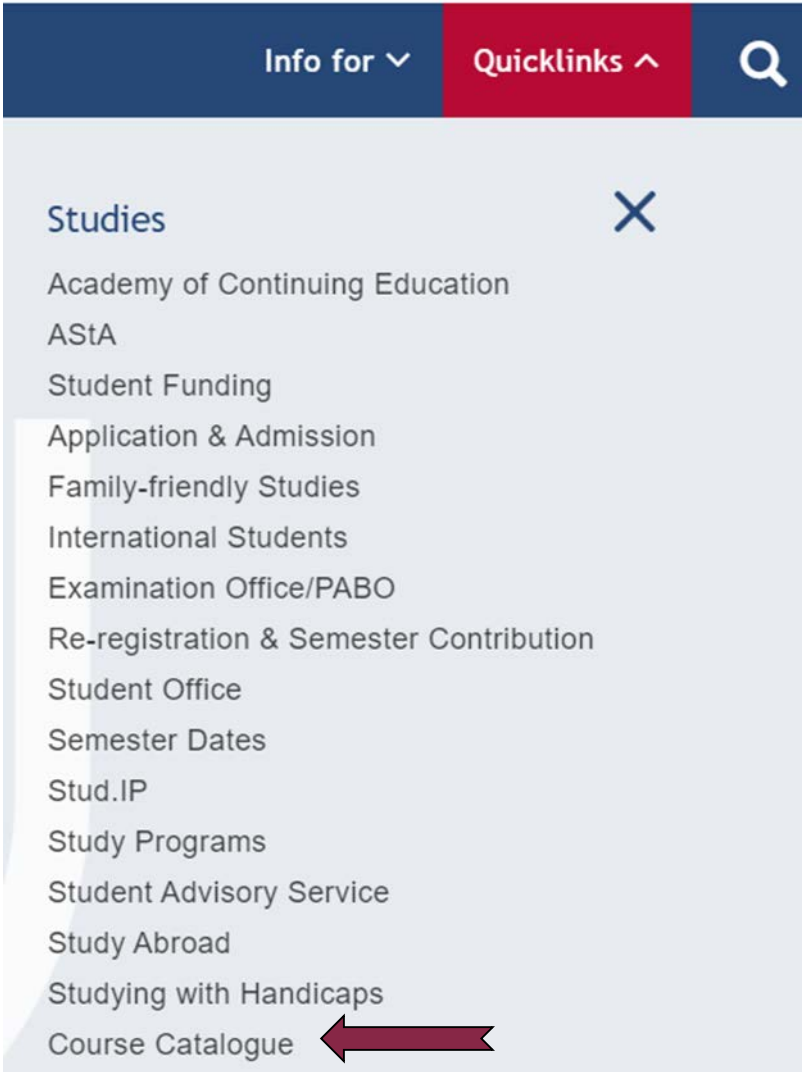


# Lecture Courses

You can find the course catalogue on the university webpage at the Quicklinks or at

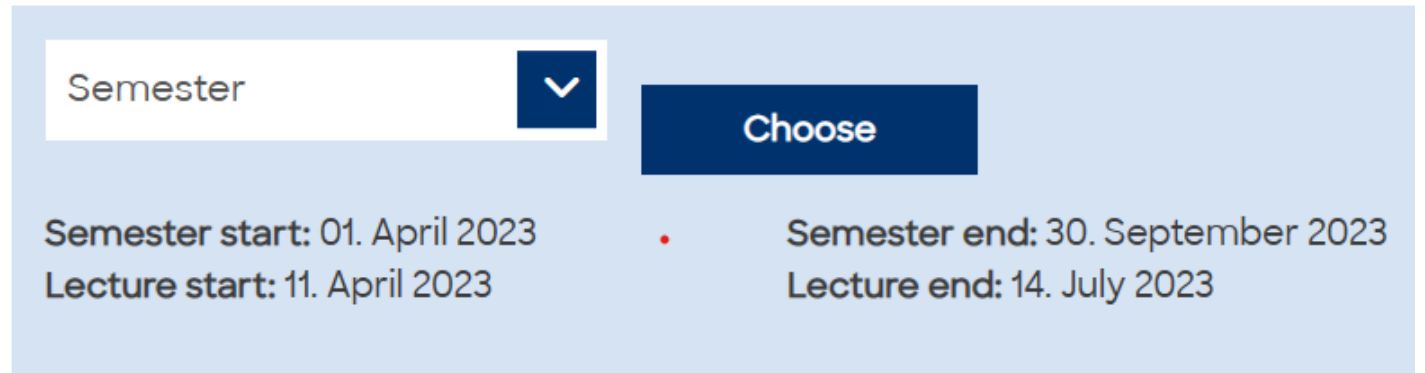
<https://www.uni-bremen.de/en/studies/starting-your-studies/course-catalog.html>

## Study Program SoSe 2023



The screenshot shows a navigation menu with a search icon and a 'Quicklinks' dropdown. The 'Quicklinks' menu is open, listing various university services. A red arrow points to the 'Course Catalogue' option at the bottom of the list.

- Info for ▾
- Quicklinks ▲
- Search
- Studies ×
- Academy of Continuing Education
- AStA
- Student Funding
- Application & Admission
- Family-friendly Studies
- International Students
- Examination Office/PABO
- Re-registration & Semester Contribution
- Student Office
- Semester Dates
- Stud.IP
- Study Programs
- Student Advisory Service
- Study Abroad
- Studying with Handicaps
- Course Catalogue ←



The screenshot shows a selection interface for the 'Study Program SoSe 2023'. It features a dropdown menu for 'Semester' with a downward arrow, a 'Choose' button, and two columns of dates.

Semester	Choose
Semester start: 01. April 2023	Semester end: 30. September 2023
Lecture start: 11. April 2023	Lecture end: 14. July 2023

# Lecture Courses

## Fachbereich 04: Produktionstechnik -Maschinenbau & Verfahrenstechnik-

[Berufliche Bildung - Mechatronik, B.Sc. \(24\)](#)

[Produktionstechnik-Maschinenbau & Verfahrenstechnik, B.Sc. \(105\)](#)

[Produktionstechnik-Maschinenbau & Verfahrenstechnik, M.Sc. \(187\)](#)

[Prozessorientierte Materialforschung, M.Sc. \(248\)](#)

[Space Engineering, M.Sc. \(18\)](#)



[Systems Engineering, B.Sc \(101\)](#)

[Systems Engineering, M.Sc. \(457\)](#)

[Wirtschaftsingenieurwesen Produktionstechnik, B.Sc. \(97\)](#)

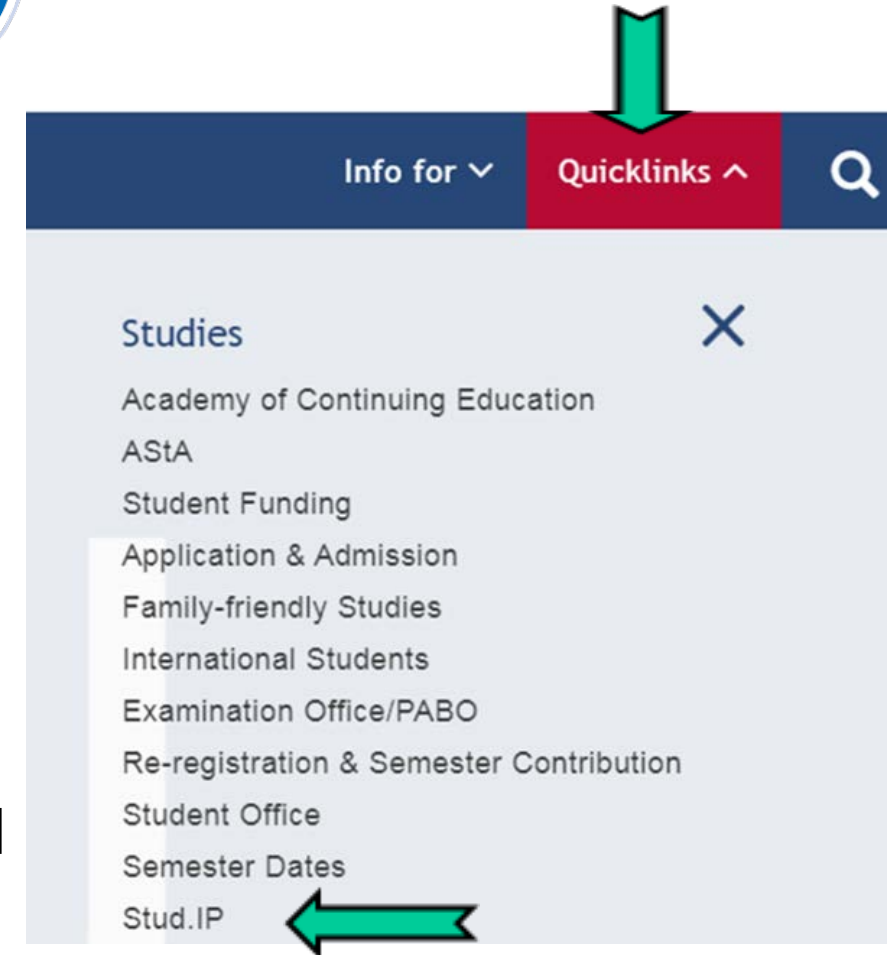
[Wirtschaftsingenieurwesen](#)

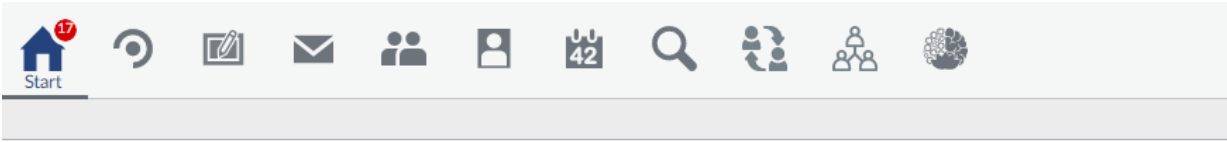
Here you will find all lectures of Space Engineering and information such as course number, lecture room, dates and lecturer

Course number	Title of event	Lecturer
04-M30-CP-SFT-2	<b>Mission Design</b> (in English)  Lecture (Teaching) ECTS: 1,5  Dates: weekly (starts in week: 1) Wed 10:00 - 12:00 IW3 0330 ( Teaching hours per week)	Martin Drobczyk Dipl.-Ing. Falk Nohka



- Stud.IP is the electronic course management system at the University of Bremen.
- You can find it on the university homepage **Quicklinks** or directly at <https://elearning.uni-bremen.de>
- Here you can compile your studyplan and will find current information to the courses of the Master program SpE like skripts, sheets etc. and several other features, such as the bulletin board and study groups.....





**Start page**

**Jump marks**

- Quicklinks
- Announcements

**Actions**

- + Add widgets
- ✓ Restore default

**Quicklinks**

**My courses**  
Add a course / Create study group / Export

**My workspace**  
Courseware / Files / Announcements / Evaluations

**Messages**  
Mail inbox / Sent

**My profile**  
Settings / MyPhotos / Appointments / Lernduell / Gradebook

**My planner**  
Date calendar / Timetable

**Search**  
Course search

Veranstaltungssuche nach Zeiten

Zentrum für Lehrerbildung - Schulpraktika

Campus Lageplan

Meine Aktivitäten

Selbsteinschätzungen

EduWork Builder: Interaktive Lerneinheiten, getaktete Aufgaben und mehr

Nachricht an den Support

Dokumentation von Online-Prüfungen in Stud.IP und Präsenzterminen

**Workspace**

Overview Courseware Files Announcements Questionnaire Evaluations ILIAS

- My workspace**  
Overview
- Courseware**  
Creation and collection of learning materials
- Files**  
Overview over all documents
- Announcements**  
Management of announcements in your areas
- Questionnaire**  
Central collection of your questionnaires
- Evaluations**  
Create complex surveys
- ILIAS**  
Interface to ILIAS

**Community**

Blubber Who is online? Contacts Study groups

**Blubber**

Search  
Search for ...

**Conversations**

- Global Blubber  
88 minutes ago
- Master Produktionstechnik  
10:54



Blubber is a communication tool that is provided under the premise "students help students". Please note that your communication on this page is public and follow the terms of use and the netiquette.

#bremerhaven #o #teamswaf  
#roadto1000 #exmatrikulation #team  
#leadership #neu #studip #fahrraddemo  
#engagement #verkehrswende

🔔 Notifications activated

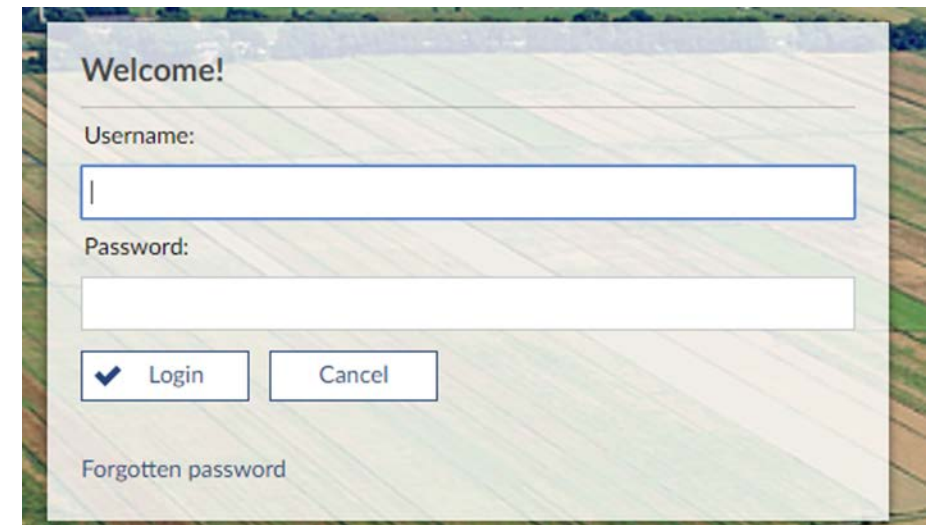
# How to log-in to Stud.IP



When you register at the University, you receive online access with which you can install your Uni-Account and your email address.

Use your user data to login to Stud.IP. The user name is your email without @uni-bremen

Please note that you are **required to regularly check the inbox** of this e-mail address. It is recommended to set up automatic forwarding of this email address to your primary email address.



## My courses

# Stud.IP

At the beginning of each semester you can add the courses you wish to attend.

1. Search
2. Choose
3. Go to course

## 04-M30-CP-SAS-1 Lecture: Thermal Control of Satellites - Details



### General information

Subtitle

Course number

Semester

Current number of participants

Home institute

Courses type

First date

### Actions

- Print
- Go to course
- Reserve only in the timetable

### Share

- Copy link to this course

### Fields of study

Universität Bremen / Fachbereich 04: Pro

### Compulsory Modules

36 CP

Space Flight Theory (2)

Space Environment and Testing (1)

No entries at this level available! / 5 entries included in any s

## Course directory



### Course directory

Institute directory

### Search

Thermal Control of Satellites

Display extended search

### Semester

WiSe 2020/2021

## Actions

- Mark all as read
- Change colour grouping
- Adjust notifications
- Add a course
- Create new study group

## My courses



### Current courses

Archived courses

### Semesterfilter

SoSe 2021

### Actions

- Mark all as read
- Change colour grouping
- Adjust notifications
- Add a course
- Create new study group

### Views

Standard

Field of study  
Type  
Groups by colour  
Lecturers

### Export

- Export course overview
- Export course overview without modules

## Entries on registration and waiting list

Name
Computerlabor Strömungsmechanik

## SoSe 2021

No.	Name
04-26-4-TM2-V	Mechanik 2b [Substitute]
04-26-4-TM2-Ü	Mechanik 2b - Übungen [Substitute]
04-V09-AM-011	Computerlabor Strömungsmechanik [Substitut
04-V10-2-M0101	Technische Mechanik 2 [Substitute]
04-V10-2-M0102	Vorrechenübungen Technische Mechanik 2 [Su
04-V10-2-M0103	Übungen zu Technische Mechanik 2 [Substitut
04-26-KD-010	Einführung in die Numerische Strömungsmech
04-M30-IC-Welcome	Welcome of new students in the Master's prog
	Bachelor Produktionstechnik (SoSe 2015 - unli
	Bachelor Wirtschaftsingenieurwesen Produkti
	Master Produktionstechnik (WiSe 2011/12 - u
	Master Space Engineering (SoSe 2017 - unlimi

# Stud.IP

- After you have been accepted by the lecturer you will find all your courses and to each course the corresponding information.
- New messages or files that have accumulated since your last visit will be displayed.

# Stud.IP



The screenshot shows the Stud.IP Planner interface. At the top, there is a navigation bar with icons for Home, Refresh, Mail (with 2 notifications), Profile, User, Planner (highlighted with a red arrow), Search, Tools, Print, Recycle, and a globe icon. On the right of the navigation bar, there is a 'SUPPORT' icon and the 'ZMML' logo. Below the navigation bar, there are tabs for 'Timetable' and 'Date calendar'. The main content area is titled 'My timetable' and 'My timetable in SoSe 2021'. It features a weekly grid with columns for Monday, Tuesday, Wednesday, Thursday, and Friday, and rows for time slots from 08:00 to 11:00. A purple course entry is visible on Thursday from 8:00 to 10:00, labeled '04-26-KD-010 Einführung in die Numerische Strömungsmechanik (Avila)'. On the left side, there is a sidebar with 'Displayed semester' set to 'SoSe 2021' and 'Actions' including 'New entry', 'Change view', and 'Show hidden courses'.

In your planner you will find all your courses  
you have registered for in Stud.IP



# Stud.IP

Please register also to „Miscellaneous: Space Engineering“. Here you can find important announcements and files e.g. forms and examination regulations

▼ Miscellaneous (Teaching)

- Bachelor Produktionstechnik (SoSe 2015 - unlimited)
- Bachelor Wirtschaftsingenieurwesen Produktionstechnik (WiSe 2015/16 - unlimited)
- Master Produktionstechnik (WiSe 2011/12 - unlimited)
- Master Space Engineering (SoSe 2017 - unlimited) ←

Home Courses Administration Forum Participants Files Schedule Informationen References Wiki Learning modules Raumbewertung More ...

### Miscellaneous: Master Space Engineering - Brief information

**Basic details**

**Subtitle**  
Master of Science Space Engineering I/II

**Time / Course location**  
The course times are not decided yet.

**First date**  
The course times are not decided yet.

**Lecturers**  
Prof. Dr. Claus Braxmaier, Prof. Dr. Marc Avila, Prof. Dr.-Ing. Andreas Rittweger, PD Dr.-Ing. Rodion Groll, Dipl.-Inform. Th...

**Announcements** ←

- Studentische Hilfskraft im Zeitraum April - Juli 2019 im Rahmen von max. 40Std/Monat gesucht

### Miscellaneous: Master Space Engineering - Files

**Actions**

- New folder
- Add file

**Upload files**

**Miscellaneous: Master Space Engineering**

Type	Name ▲
Folder	Allgemeiner Dateiordner
Folder	Ausschreibungen Abschlussarbeiten, Stellen etc.
Folder	Formulare
Folder	Prüfungsordnungen ←
Folder	Prüfungstermine - Dates of Exams (please, look in the semester of the course)

# Stud.IP

- More about Stud.IP  
<https://hilfe.studip.de/>
- **Please note:** On this platform you only register to get access to the information for the courses or other tools.

**Please note that Studip is not the tool to register for an examination!**

# How to register for exams

- You have to register online on the web portal **PABO/Flex Now** if you want to participate in an examination!

<http://www.uni-bremen.de/pabo.html>

University Bremen > Central Examination Office for Social Sciences and Humanities (ZPA)

## Central Examination Office for Social Sciences and Humanities (ZPA)

The ZPA is responsible for matters surrounding examinations in **Faculties 6 to 12** as well as for all **trainee teachers**, irrespective of the Faculty affiliation.

Depending on the field of study, different administrative offices are responsible for the administration of examinations.

As the first point of contact, please refer to the respective ZPA [service point](#).

For matters surrounding examinations in **Faculties 1 to 5**, please contact the [decentralized examination](#) offices in the respective faculties.

You will find answers to the most common questions under "[A to Z of Examinations](#)". If you cannot find what you are looking for, please use our contact form.



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Section Offices >

Contact the ZPA >

PABO-Login >

Data Sheet Check >

Info for ▾ Quicklinks ▲

Studies ✕

- Academy of Continuing Education
- ASta
- Student Funding
- Application & Admission
- Family-friendly Studies
- International Students
- Examination Office/PABO ←

# How to register for exams

- Benutzerkennung and Passwort: are the same as in StudIp, Webmail and MOIN. Insert your email-name (without @uni...) + Password
- In PABO you can check your study courses and see your results of examinations.
- You can also print a mark certificate at any time or rather provide the institutions/firms with a confirmation link



The screenshot shows the login interface for FlexNow 2 - PABO. At the top, there is a header with a graduation cap icon and the text "FlexNow 2 - PABO". Below this, the word "Login" is displayed. There are two input fields: "Benutzerkennung:" and "Passwort:". Below the password field is a blue button labeled "Anmelden".

**Willkommen bei PABO**

Über das Portal „Prüfungsamt Bremen Online (PABO)“ erledigen Studierende Standardvorgänge wie An- und Abmeldungen und können sich jederzeit aktuelle Leistungsübersichten ausdrucken.

An- und Abmeldungen, Noten und Leistungsübersichten werden technisch in „PABO“ abgewickelt, die Prüfungsverwaltung erfolgt für die Fachbereiche 1 bis 5 (MINT-Fächer) in dezentralen Prüfungsämtern, für die Fachbereiche 6 – 12 und das Lehramt im Zentralen Prüfungsamt (ZPA).

# How to register for exams

- **Registrations** for exams taken in the **summer semester** have to be made **until June 30** at the latest. For exams taken in the winter semester deadline for registration is January 10.
- **Please do not register last-minute!**
- **If you registered for an exam, attendance is mandatory!**
- If an examination takes place prior to the respective registration date, the registration has to be made not later than 48 hours before the day of the exam.

# Deregistration

Deregistrations can be made in Pabo until June 30 for the summer semester and January 31 for the winter semester.

- A no show on the examination date will cause a failed in the exam if there is no good reason for the absence.
- Sick certificates from a german MD have to be submitted immediately – within three working days after exam – to the examination office.
- More information can be found on this webpage

<https://www.uni-bremen.de/en/zpa/infos/information-surrounding-examinations/>

### Antrag auf Anerkennung von Leistungen

zuständiger Fachbereich:  FB 04  FB 06 - 12 + Lehramt

An die  
Universität Bremen  
Fachbereich 4  
Prüfungsamt  
Frau Peters  
Badgasteinerstr. 1  
28359 Bremen

#### Angaben zum/zur Studierenden

Matrikelnr.:  Telefon:   
Nachname:   
Vorname/n:   
Straße:   
PLZ / Ort:   
Email:

#### Angaben zum vorherigen Studium/ Auslandsstudium, Berufspraxis/ berufliche Ausbildung:

Hochschule/  
Arbeitgeber:   
Studienform:   
Studienfach:   
Zeitraum des Auslandsaufenthalts: von  bis   
Typ des Auslandsaufenthalts:   
Mobilitätsprogramm:

#### Angaben zum aktuellen Studium:

Abschluss:  Bachelor  Master  Master of Education  Staatsexamen Jura  
Studienformat:   
Studiengang:

Ich beantrage die Anerkennung meiner beiliegenden Leistungen.  
Ich versichere die Richtigkeit der Angaben und dass ich für keinen der genannten Leistungsnachweise einen Anerkennungsantrag in einem anderen Studiengang gestellt habe und im Falle einer erfolgreichen Anerkennung stellen werde.  
Ich versichere, dass ich zum Zeitpunkt der Antragsstellung in dem Studiengang immatrikuliert bin, in dem die Anerkennung erfolgen soll.

## ➤ Application for recognition of study achievements

- For recognition of study achievements, an application has to be submitted at the registrar's office. Please attach grade certificate/transcript
- In case of recognition of study achievements provided at other universities, please enclose a module description.

**Please remember! All questions regarding examinations or study achievements have to be directed to Martina Peters at the examination office.**

### Martina Peters

[space1u2@uni-bremen.de](mailto:space1u2@uni-bremen.de) or via the contact form on the faculty webpage

[https://www.fb4.uni-bremen.de/studium\\_ma\\_space\\_home\\_e.html#Ansprechpartner](https://www.fb4.uni-bremen.de/studium_ma_space_home_e.html#Ansprechpartner)

# Set of Rules

Fachbereich 4  
Produktionstechnik  
Maschinenbau &  
Verfahrenstechnik

Studies ▾ Research ▾ Thematic field

Home / Study programs

- Study programs ▾
- Placements
- Studying abroad
- Projects in studies
- Quality management
- Service

Together with their support teams, the professors every year, encompassing more than 147 seminars:

Bachelor Production Engineering	Master Production Engineering
Bachelor Engineering and Management - Production Engineering	Master Engineering and Management - Production Engineering
Bachelor Systems Engineering	Master Systems Engineering
Bachelor Vocational Education [...]	Master Teacher Training for Vocational Schools
	Master Space Engineering



Fachbereich 4  
Produktionstechnik  
Maschinenbau &  
Verfahrenstechnik

Studies ▾ Research ▾ Thematic fields Contact persons Dates

Home / Studium / Master Space Engineering

- Study programs ▾
- Placements
- Studying abroad
- Projects in studies
- Quality management
- Service

★ brief info ★ structure ★ regulations ★ contact ★ application

Modules Guide Master Space Engineering (temporary)

[Modulhandbuch\\_MA\\_Space.pdf](#)

General section of the University of Bremen's Master's Examination Regulations

[allgemeine\\_Prüfungsordnung\\_MA.pdf](#)

subject-related section of the Master's Examination Regulations

[Fachspez\\_PO\\_MA\\_Space\\_Engineering\\_I.pdf](#)

[Fachspez\\_PO\\_MA\\_Space\\_Engineering\\_II.pdf](#)

Admission regulations

[Aufnahmeordnung](#)

Informationen zur Durchführung externer Abschlussarbeiten

[Externe Abschlussarbeiten im FB 04](#)

You find the information on the  
webpage of faculty 4  
<http://www.fb4.uni-bremen.de>  
> Studies > Master Space  
Engineering



# Fire Drill (Master)


- Training in fire protection is necessary for participating in laboratorial lectures and therefore a required course for each student.
- The fire drill will take place on May 4, 2023 (08:00 – 10:00) in the lecture room HS1010 and on May 5, 2023 (12:00 – 14:00) outdoors Übungsplatz Emmy-Noether-Str. It is recommended to wear steady shoes and weatherproof clothes (you can also find the information in the course catalogue).

# Persons

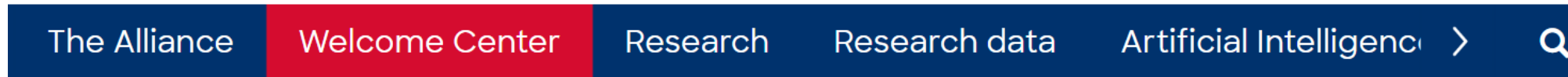
- **Dean of studies**
  - Prof. Fabio LaMantia
- **Departmental counseling**
  - Prof. Marc Avila
  - Prof. Dr.-Ing. Rodion Groll
- **Office Space Engineering**
  - Maria Petrogiannis
- **Examination Office**
  - Martina Peters
- **Study Centre**
  - Thomas Bruns



# Formalities

- When you arrive in Bremen you must register as a resident at the Bürgeramt Bremen Mitte.
- The migration office at the BSU University of Bremen <https://www.uni-bremen.de/en/bsu/news> is only available online.
  - The application for a residence permit and other inquiries can only be made by email.
  - Please send the [required documents](#) in *one* pdf file to [bsu@migrationsamt.bremen.de](mailto:bsu@migrationsamt.bremen.de) 
- If you live outside Bremen you must register at the competent aliens registration office for the district where you live.
- More information about your stay in Germany you find here: <https://www.uni-bremen.de/en/studies/starting-your-studies/formalities/formalities-for-international-students.html>

Or here: <https://www.uni-bremen.de/en/research-alliance/welcome-center>



University of Bremen > U Bremen Research Alliance > Welcome Center



## Welcome Center



UBremen  
Research  
Alliance

Welcome  
Center

The Welcome Center of the U Bremen Research Alliance supports international researchers and their families before and during their stay in Bremen regardless of the length of their stay or how the stay is financed. As a central service point, it assists all

newcoming researchers in non-academic matters to help organize their life in Bremen and make it as enjoyable and uncomplicated as possible. Whether you are here for a month or have been appointed to a permanent post, our services are available to you. Through a broad network of internal and external partners the Welcome Center provides a range of administrative and social services.

### Online Registration

Register [here](#) as an international researcher

[more >](#)

### Important forms and documents

[Arrival checklist](#) 

[Important forms](#)

### Before Arrival

The information below will help you prepare for your



# Links

- **<https://www.uni-bremen.de/research-alliance/welcome-center>**
- **[http://www.fb4.uni-bremen.de/studium\\_ma\\_space\\_home\\_e.html](http://www.fb4.uni-bremen.de/studium_ma_space_home_e.html)**
  - brief info, structure, regulations, contact for the Master SpE
- **<https://www.uni-bremen.de/en/studies/starting-your-studies/course-catalog.html>**
  - Study program
- **<https://elearning.uni-bremen.de/>**
  - Stud.IP – System / documents for lectures, registration for events, etc.
- **<https://onlinetools.uni-bremen.de/>**
  - E-Mail (access to the web, SPAM filter, forwarding, create an alias)
  - WLAN-access (eduroam)
  - Please note: also „formal“ emails of the University will be sent to the University email adress.“
- **<http://antivirus.uni-bremen.de/>**
  - free antivirus software („Sophos“)