

### Welcome to the

# Master's Program Management Information Systems (M.Sc.)

at the

**Faculty of Business Studies and Economics** 



# The Faculty of Business Studies and Economics welcomes the MIS freshmen 2023



Prof. Dr. Julia Kensbock

Professor for Management and Organization in the Digitized Society



Prof. Dr. Benjamin Mueller

Professor for Digital Business, especially Management of Digital Transformations



Dr. Katharina Liebscher

Student Advisor at the Faculty's Study Center





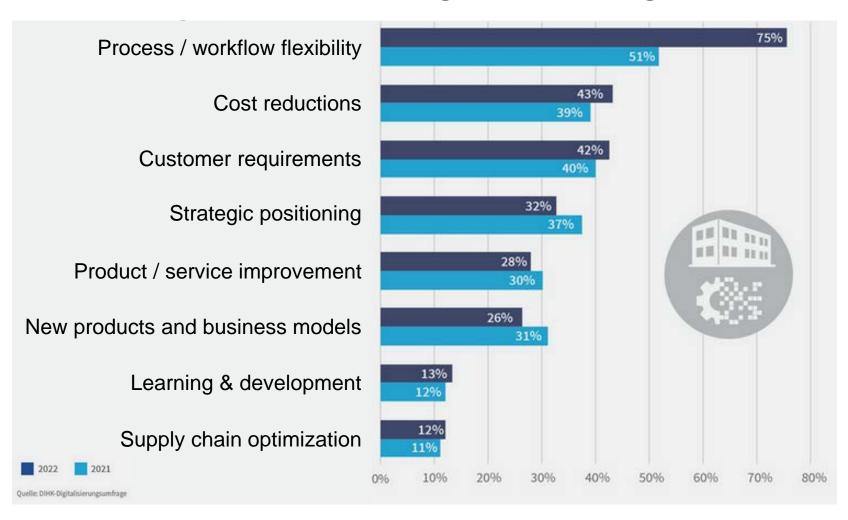
### ich nichts" Wie Deutschland die sierung aktiv behindert

( Anmelden

ehrhaltung, die Digitalisierung behindert, und warum der n alle Grundlagen für das Programmieren enthält.



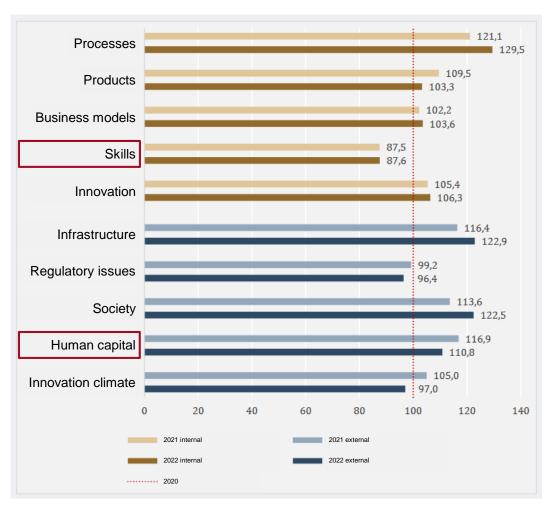
### What we are looking for in digitalization



- → Corporations seek to optimize their inner workings through process digitalization
- → Many still need to do their "digital homework" before their can move on to more exciting digitalization opportunities



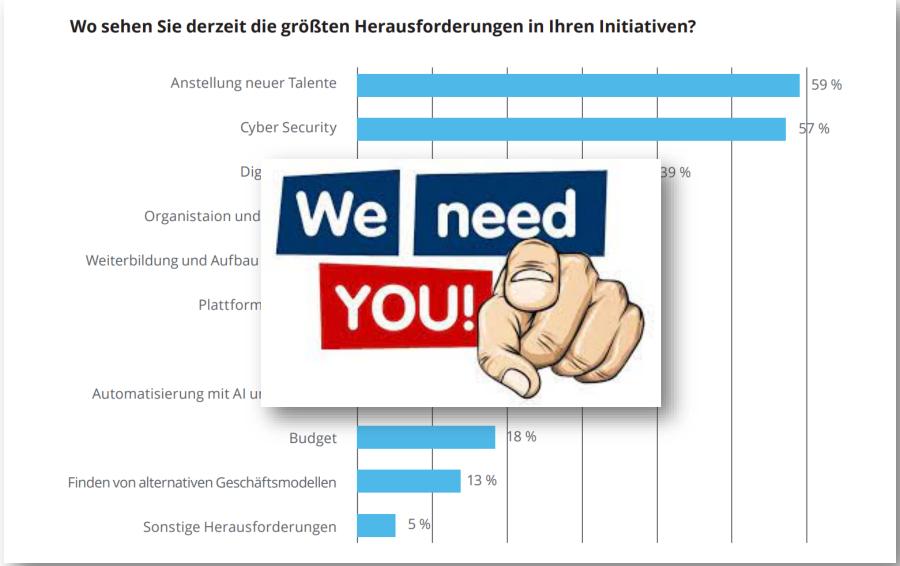
### Are we making any progress?



- → Internal digital enablement of corporations is making progress
- → The technical infrastructure is also evolving
- → But, many corporations are struggling with the necessary upskilling of their workforce

Source: https://www.iwkoeln.de/studien/jan-buechel-barbara-engels-digitalisierung-der-wirtschaft-in-deutschland-2022.html







### Contents

- 1 Introduction of the Faculty
- 2 Study Structure and Contents
  - 2.1 Structure
  - 2.2 Study Sections
  - 2.3 Project
  - 2.4 Course Catalog and Stud.IP
- 3 Examinations
- 4 Practice and Transfer
- 5 Study Abroad
- 6 More Information



- $\rightarrow$  approx. 3,500 students
- → 23 professors, approx. 150 research assistants
- → 5 bachelor's programs first year bachelor's students 23/24: around 500 students
- → 6 master's programs first year master's students 23/24: around 250 students

Management Information Systems	ca. 20
Business Studies	110
Business Psychology	30
Professional Public Decision Making	35
Management and Production Engineering	50
Management and Electrical Engineering	16



until October 31

#### Deanery

Head of Administration / Dean's Office

Dean Prof. Zimmermann

Vice Dean Prof. Burmann

Dean of Studies Ms. Roseland-Müller

#### **Faculty Administration**

Study Center
Office for Practice and Transfer
Office for International Affairs

#### **Faculty Council**

7 professors
2 research assistants
2 students
2 administrative staff members

#### **Examination Board**

3 professors
1 research assistant
1 student
(for each program)

#### **Student Council (StugA)**



#### **Deanery**

Head of Administration / Dean's Office

Dean Prof. Hagemann | Vice Dean Prof. Müller-Christ | Dean of Studies Prof. Heinemann

#### **Faculty Administration**

#### **Faculty Council**

7 professors
2 research assistants
2 students
2 administrative staff members

# Study Center Office for Practice and Transfer Office for International Affairs

#### **Examination Board**

3 professors
1 research assistant
1 student
(for each program)

#### **Student Council (StugA)**



- → Institutions at the faculty
  - Subject library
  - Office for International Affairs
  - Office for Practice and Transfer
  - Study Center
- → Features of the study programs
  - Info sessions and platform
  - Digitalization in teaching
  - Course management system Stud.IP
  - Quality management system (e.g. evaluations)



© Matej Meza



#### Organization of MIS program

#### Management Information Systems (M.Sc.) is offered jointly by the Faculties of

- Business Studies and Economics (Faculty 7 // in charge of administration of program)
- Mathematics and Computer Sciences (Faculty 3)

#### **Organization:**

- The program organization is governed by the "Joint Decision-making Committee" (GbA)
  consisting of representatives from both faculties
- Examination issues are decided on by the Examination Board



#### Organization of MIS program

#### Current members of the GbA:

#### **Professors**

- Prof. Dr. Benjamin Müller (chair, Fac. 7)
- Prof. Dr. Julia Kensbock (Fac. 7)
- Prof. Dr. Ute Bormann (Fac. 3)
- Prof. Dr. Andreas Breiter (Fac. 3)

#### Research Assistants

Dr. Bastian Kordyaka (Fac. 3)

#### Students

Jethro Bartel (undergrad)

#### Current members of the Examination Board:

#### **Professors**

- Prof. Dr. Julia Kensbock (chair, Fac. 7)
- Prof. Dr. Andreas Breiter (vice chair, Fac. 3)
- Prof. Dr. Ute Bormann (Fac. 3)
- Prof. Dr. Thorsten Poddig (deputy, Fac. 7)

#### Research Assistants

> > Master's students needed < < Dr. Bastian Kordyaka (Fac. 3)

#### Students

Jethro Bartel (undergrad)



#### 2.1 Structure

#### Structure of all consecutive master's programs

- Scope: 4 semesters, fulltime, 120 CP
- Specialization (majors / projects)
- Degree qualifies to enter a PhD program

#### Basic goals and principles of the master's programs

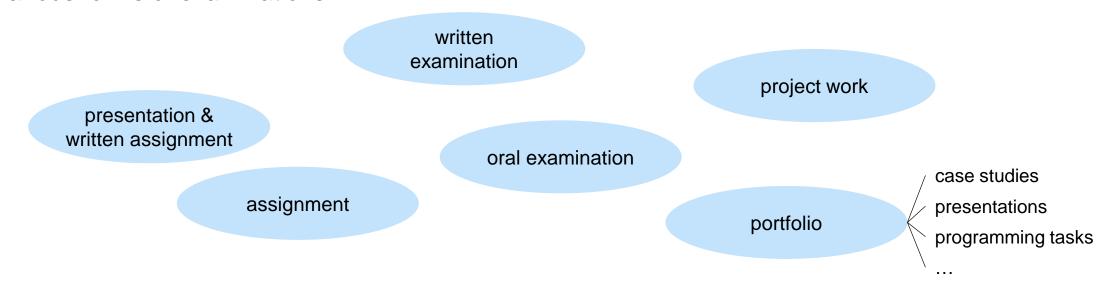
- Electives during the whole course of studies
- Promoting independent student work
- Developing project management skills and working under time pressure
- Encouraging presentation skills and academic discourse
- Developing the ability to work in groups



#### 2.1 Structure

#### **Examinations**

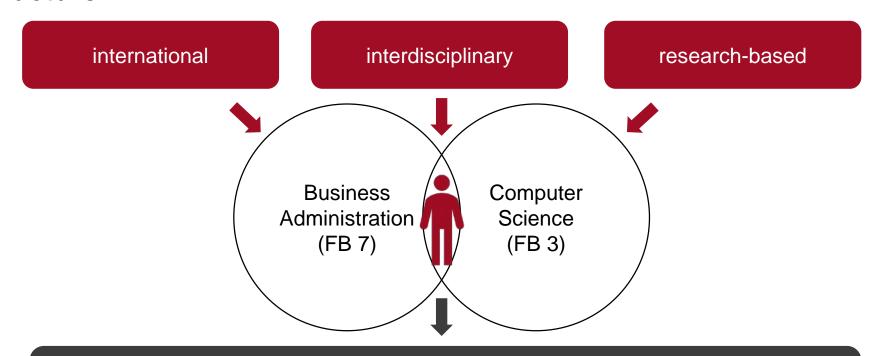
→ Various forms of examinations



→ Group examinations possible in addition to individual examinations



#### 2.1 Structure



#### You will be able to...

- ... play a mediating role in the digital transformation of business society
- ... identify and understand the perspectives of users and business leaders
- ... develop business information systems yourself
- ... continue an academic career



#### 2.1 Structure

## Management Information Systems

- Basic theoretical concepts (Information Systems & Organisation Studies)
- Methodological tools (quantitative and qualitative)

### Managing Digital Innovation

- Business implications of digital technologies
- Organisational consequences and technology design options

### Computer Science

- Strategic and operative processes of IT management
- Management of software projects



#### 2.1 Structure

		Management Information Systems, 48 CP			Managing Digital Innovation, 18 CP		Computer Science, 18 CP		Master Thesis, 30 CP	General Studies Area, 6 CP	∑ 120 CP ↓
		mandatory, 24 CP		compulsory elective, 24 CP	mandatory		mandatory		mandatory	elective	
1st year	1 <sup>st</sup> semester	6 CP	6 CP		6 CP	6 CP	6 CP				30 CP
	2 <sup>nd</sup> semester	6 CP	6 CP		6 CP		6 CP	6 CP			30 CP
2 <sup>nd</sup> year	3 <sup>rd</sup> semester			Project 24 CP						6 CP	30 CP
	4 <sup>th</sup> semester								Master Thesis 30 CP		30 CP

- → No classical majors, but specialization possible through elective and compulsory elective modules, esp. the choice of the project in the 3<sup>rd</sup> semester
- → Current course offerings are listed in the Module Manual (homepage Faculty 7) and in the university's course catalog (at: Faculty 7 → Management Information Systems)



#### 2.1 Structure

Ma			Management Information Systems, 48 CP			Managing Digital Innovation, 18 CP		Computer Science, 18 CP		General Studies Area, 6 CP	∑ <b>120</b> CP ↓
		mandatory, 24 CP		compulsory elective, 24 CP	mandatory		mandatory		mandatory	elective	
1st year	1 <sup>st</sup> semester	MIS-1, Information and Organisation, 6 CP	MIS-2, Al and Computational Management Information Systems, 6 CP		MIS-MDI-1, Management and Organisation, 6 CP	MIS-MDI-2, Managing Technological Change, 6 CP	MIS-INF-1a, IT-Manage- ment and Data Science, 6 CP				30 CP
	2 <sup>nd</sup> semester	MIS-3, Methods and Theories in Information Systems Research, 6 CP	MIS-4, Academic and Professional Practice, 6 CP		MIS-MDI-3, Digital Innovation, 6 CP		MIS-INF-2, Computer Science for Management Information Systems, 6 CP	MIS-INF-3, Special Topics in Computer Science for Management Information Systems, 6 CP			30 CP
2 <sup>nd</sup> year	3 <sup>rd</sup> semester			Project-A oder Project-B oder Project- C , 24 CP						6 CP	30 CP
	4 <sup>th</sup> semester								MIS-MA, Master Thesis, 30 CP		30 CP



#### 2.2 Study Sections

- → Section Management Information Systems (MIS): 24 CP
  - offered jointly by the participating faculties 03 & 07
  - students acquire the theoretical concepts and methodological tools fundamental to MIS
  - four modules including various theoretical foundations in the fields of information systems and organization studies, qualitative and quantitative methods for the study of information systems and transformation processes in the context of organizations, as well as a transfer module on the professional and academic practice of information systems research
  - Module responsibility: Professors Kensbock, Müller & Breiter

### MIS-1

Information and Organisation

#### MIS-2

AI & Computational Management Information Systems

#### MIS-3

Methods and Theories in Information Systems Research

#### MIS-4

Academic and Professional Practice



#### 2.2 Study Sections

- → Section Managing Digital Innovation (MDI): 18 CP
  - deals with the business implications of digital technologies
  - includes, amongst others, the module "Management and Organization", which illustrates the organizational consequences of digital technology for organizations
  - offered by lecturers from Faculty 07 (Business Studies and Economics)
  - three modules including topics on organization, innovation and change
  - Module responsibility: Professors Kensbock & Müller

### MIS-MDI-1 Management and Organisation

MIS-MDI-2 Managing Technological Change

MIS-MDI-3
Digital Innovation



#### 2.2 Study Sections

- → Section Computer Science (INF): 18 CP
  - Focus on research into the transformation processes in organizations caused by digitization
  - Mandatory module: "IT Management", which deals with the strategic and operational processes of IT service management and develops models for the management of software projects based on research results
  - Large selection of computer science courses
  - offered by lecturers from Faculty 03 (Mathematics & Computer Science)
  - three modules including topics on IT Management, and specific Computer Science courses for MIS
  - Module responsibility: Professors Bormann & Breiter

#### MIS-INF-1a

IT-Management and Data Science

#### MIS-INF-2

Computer Science for Management Information Systems

#### MIS-INF-3

Special Topics in Computer Science for Management Information Systems



#### 2.3 Project

- 24 CP → almost the entire workload of the third semester
- apply the fundamentals and deepen specialist knowledge
- topics of projects usually roughly specified;
   exact form and methods are agreed upon in a dialog between students and lecturers
- Three options:
  - One 24 CP project
  - Two 12 CP projects
  - One 12 CP project plus two 6 CP courses with related topics
- Module responsibility: Professors Bormann & Poddig
- → Please note: if you wish to study abroad, the 3<sup>rd</sup> semester fits best



2.4 Course Catalog and Stud.IP

→ Online Course Catalog:

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

Universität

→ Faculty 07 → MIS

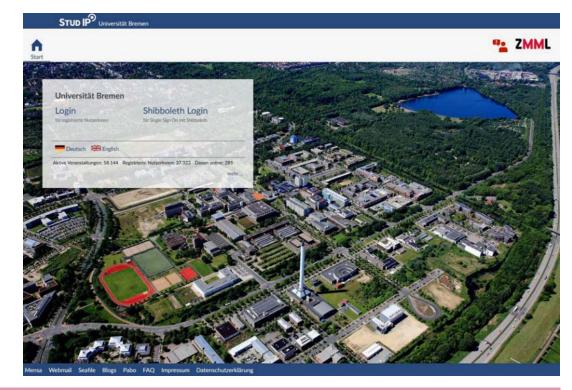


→ Information about courses offered in the respective semester, lecture times and locations



2.4 Course Catalog and Stud.IP

- → Learning platform Stud.IP elearning.uni-bremen.de
  - Username:Uni-email (see semester documents)
  - Password: see semester documents
- → Course administration by lecturers, sharing files, notifications, changes, ...
- → Compile your schedule



#### → FAQs on Stud.IP:

<u>https://www.uni-bremen.de/en/center-for-multimedia-in-higher-education-zmml/areas-of-competence/studip-blogs-and-more/studip/fag-studip</u>

→ Stud.IP video tutorial (with subtitles → switch on button: □):
<a href="https://ml.zmml.uni-bremen.de/video/5f92de07d42f1c57058b4567?track\_id=5f92e09bd42f1c96058b4567">https://ml.zmml.uni-bremen.de/video/5f92de07d42f1c57058b4567?track\_id=5f92e09bd42f1c96058b4567</a>



→ Central Examination Office – section Faculty FB 7 (GST FB 7)
<u>https://www.uni-bremen.de/en/zpa/</u>





Subjects

Forms

**Examination Regulations** 

**Examination Schedules** 

Doctoral Studi

2

#### 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.

... offers you our service point for general questions or the submission of documents. more >

#### **Administrative Offices**

Depending on the field of study, different offices are responsible for exam administration at the ZPA.

more >

### Decentralized examination offices

For examination matters relating to departments 1 to 5, please contact the decentralized examination offices in the respective departments.

more >

Contact »



Infos A to Z »



PABO-Login »



**Data Sheet Check** 

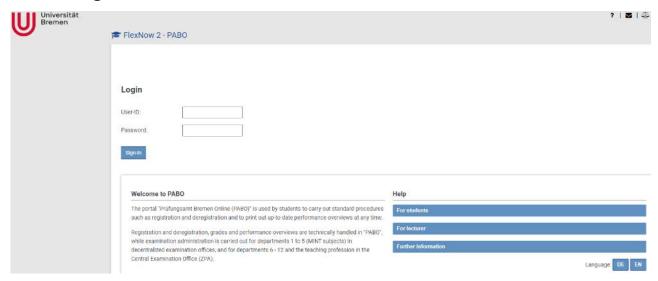
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- → PABO: via the portal "Prüfungsamt Bremen Online" all standard procedures such as registration and deregistration for exams and printout of current transcripts of records are handled
- → You register for exams using the access data of your university account <a href="https://www.uni-bremen.de/en/zpa/infos/information-surrounding-examinations">https://www.uni-bremen.de/en/zpa/infos/information-surrounding-examinations</a>
- → PABO Login:

https://fn2.vwg.uni-bremen.de:8443/FN2AUTH/





**Exam Registration:** 10<sup>th</sup> of January (winter semester)

30th of June (summer semester)

Exam Deregistration: 31st of January (winter semester)

30<sup>th</sup> of June (summer semester)

→ Registration is required for **every exam**, regardless of whether it is a first or repeat attempt

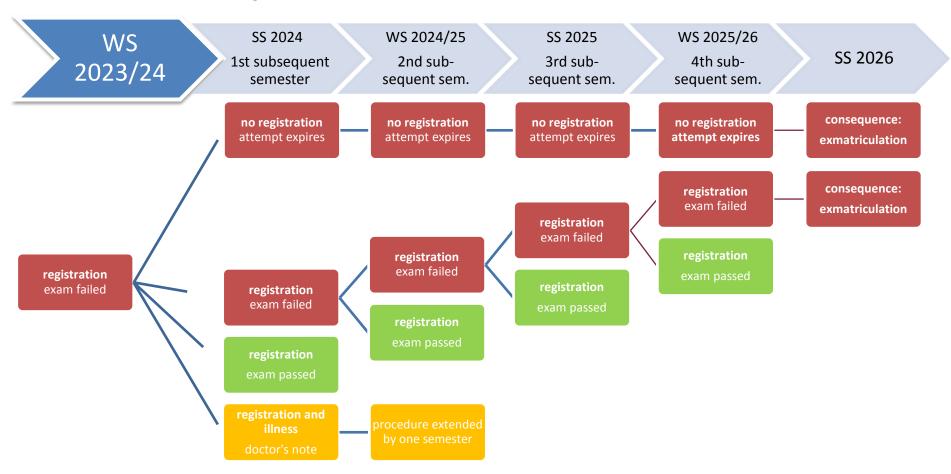
→ Separate registration and deregistration deadlines for **portfolio examinations** must be observed



- → After registration/deregistration, you will receive a confirmation email from the ZPA.
- → If an exam is failed or missed for the first time, this exam must be successfully completed within four semesters after initial registration.
- → This means that there is a **maximum of five examination attempts** available per module.



Example: First-time registration / exam failed





→ Written Examinations at Faculty 07:

Written examinations take place during the first three weeks following the lecture period

- 1st week: Examinations of the previous semester
  - → 05-09/02/2024
- 2<sup>nd</sup> & 3<sup>rd</sup> week: examinations of the current semester (WS 23/24)
  - → 12-23/02/2024

You will find the room where your exam takes place on PABO



#### **Examination Regulations**

- → General Part of the Master Examination Regulations (AT-MPO)
  - Information on the master's thesis, admission to examinations, failure and withdrawal from examinations, repeat examinations, recognition of examination achievements and legal remedies
- → Subject-specific examination regulations MIS
  - Structure of studies, further examination regulations as well as forms of examinations, study plan
- → Amendment regulations supplement the respective first full version

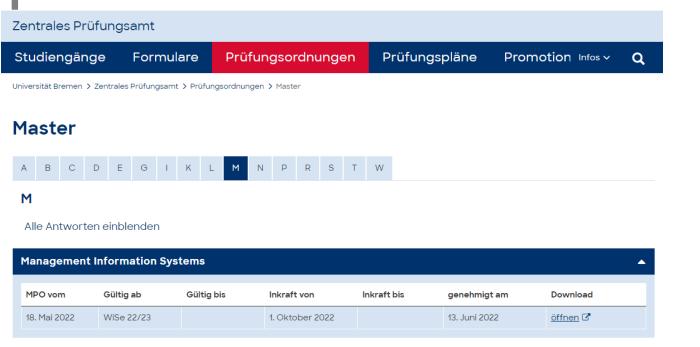


no English version available

### 3 Examinations

#### **Examination Regulations**

- → Publication of all examination regulations
  - official gazette: website of the ZPA



reading version: University webpage at
 <a href="https://www.uni-bremen.de/en/studies/orientation-application/offered-study-program">https://www.uni-bremen.de/en/studies/orientation-application/offered-study-program</a> → MIS



Studies > Orientation & Application > Offered Study Program > Degree Program Search

#### **Management Information Systems (Master)**



Title on graduation
Master of Science (M.Sc.)

Standard course length 4 Semester

Language of delivery

English

Application period (beginner) winter semester: 01.04. - 31.05.

Open admission

Apply now



#### **Examination Regulations**

→ Non-binding reading version in English available at <a href="https://www.uni-bremen.de/en/wiwi/studies/masters-degree-programs/management-information-systems/examinations">https://www.uni-bremen.de/en/wiwi/studies/masters-degree-programs/management-information-systems/examinations</a>



University of Bremen > Faculty of Business Studies and Economics > Studies > Master's Degree Programs > Management Information Systems > Examinations

#### **Examinations**

#### **Examination Regulations**

There are subject-specific examination regulations for all degree programs at the University of Bremen (binding versions: German only). An English translation of the subject-specific examination regulations for the study program Management Information Systems can be found here ...



KIS Kontakt- und Informationsstelle

Dez.6 Studentische Angelegenheiten

People studying with a physical or mental impairment are often directly disadvantaged during their studies. Academic adjustments intend to counterbalance those disadvantages.

KIS provides advice on all questions regarding studying with special needs!

KIS – Office for Students with Disabilities or Chronic Diseases www.uni-bremen.de/kis kis@uni-bremen.de 0421 218 61050

Dr. Ingrid Zondervan



### Psychological Counselling and Social Counselling



#### **Social Counselling**

First point of contact for students with social, financial or economic issues



#### **Psychological Counselling**

Counselling for study-related and personal problems

The counselling is subject to confidentiality, free of charge and also available in English.

Beratung & Soziales



# Contact and registration via PBS secretariat



Phone: (0421) 2201-11310

Website: www.stw-bremen.de



Address: Campuspark Uni Bremen

Zentralbereich at Mensasee

Bibliothekstr. 2b, 28359 Bremen

To contact our

office:

Mo, Tue, Thu, Fr: 9 am – 1 pm

Wed: 2 pm - 4 pm



## 4 Practice and Transfer



@ Matei Meza/Universität Bremen

### Office for Practice and Transfer

We focus on our students' career development:

- → development of relevant soft skills,
- → internship counselling
- → From study to work: job application advice
- → Networking with potential employers from various industries and company sizes
- → Offer of our very own career portal (offer of internships & jobs; practice-relevant events) and
- → Testing real praxis tasks, i.e. to put theoretical knowledge into practice



## 4 Practice and Transfer

## PRACTICE FORMATS AT FB07

Teaching offers in the GS and/or elective module area

Among others, the PRAXIS
Summer Camp, the Career
Camp, "Digital Practice Case
Studies with Companies"
and "2030 Future
Challenges".

Half- and full-day workshops

including current career-relevant topics, case studies, soft skills development, and to learn about industries, potential employers, and career fields. Evening events for networking with potential employers

including the career networking evening

Other events and offers

e.g. faculty career day, company excursions, attendance of graduate congresses, demo days, competitions

Are you missing something or do you have ideas for improvement?

Contact the Office for Practice and Transfer and present your ideas!



## 4 Practice and Transfer

- → Career Portal: 7Careers
  - Internships & Jobs
  - Recruiting events
  - Employers

**–** ...



Register now

- → Instagram
  - news on presentations and events



Contact – Office for Practice and Transfer

Ms Maren Hartstock

**phone:** +49 (0)421 218-66505

**E-mail:** prakwiwi@uni-bremen.de

**Web:** <a href="https://www.uni-bremen.de/en/wiwi/practice-and-">https://www.uni-bremen.de/en/wiwi/practice-and-</a>

transfer/offers-for-students

LinkedIn: <a href="https://www.linkedin.com/in/marenhartstock/">https://www.linkedin.com/in/marenhartstock/</a>

Office: Enrique-Schmidt-Str. 1

WiWi1, room: A3420

Office hours: Mon-Thu upon appointment



# 5 Study Abroad



© Matej Meza / Universität Bremen

### Office for International Affairs

We focus on our students' international experience:

- → Consulting on the topic of studying abroad and possible funding opportunities
- → Contact and support for outgoing and incoming students at the faculty
- → Selection of applications for a semester abroad
- → Arrangement of Learning Agreements
- → Support with the recognition process
- → Establishment of cooperations with universities worldwide



# 5 Study Abroad

- → Preparations start one year before the planned stay
- → Special visa might be required for non-German / non-European citizens

#### → Info Sessions of the Office for International Affairs on Studying Abroad

#### **Study Abroad**

Interested in a semester abroad?

Semesters abroad are not mandatory, but they do enrich your studies and your CV. This event will provide information on studying abroad, on foreign language courses, and on English language credits.

Please note: The info session is held in German. You can of course ask questions in English. If you are interested in certain topics, please check our webpage at

www.uni-bremen.de/en/wiwi/international-affairs/outgoing-bremen-students-abroad

**Datum:** Donnerstag, 12.10.2023 **Uhrzeit:** 14:00 Uhr bis 15:00 Uhr **Raum:** NW1 H2 (W0020)

#### **Dates**

First study abroad info event **09.11.2023 16-18 Uhr** WiWi1 A1100

Second study abroad info event: Application process 14.12.2023 16-18 Uhr WiWi1 A1070

Application deadline FB 7 **15.01.2024** 

Selection interviews South Africa, UK, US January 2024

1. Deadline open places **05.02.2024** 

2. Deadline open places SoSe **01.08.2024** 

<u>https://www.uni-bremen.de/en/wiwi/international-affairs/outgoing-bremen-students-abroad/partner-program-semester-abroad/application-process</u>



# 5 Study Abroad

- → Instagram
  - News on events and deadlines
  - Information on partner universities and countries
  - Experiences from students



Contact – Office for International Affairs

Ms Sandra Dinkeldein Ms Siegrid Cinar

**phone:** +49 (0)421 218-66515 / 66513

**E-mail:** fb07international@uni-bremen.de

**Web:** <u>https://www.uni-bremen.de/en/wiwi/international-affairs</u>

Office: Enrique-Schmidt-Str. 1

WiWi1, room: A3440 / A3080

Office hours: Mon–Fri upon appointment



- → Webpage: <u>www.uni-bremen.de/en/wiwi</u>
  - Studies Downloads
    - Information brochure, Module guide
  - Studies Master's MIS
    - Quick links to Course Catalog, Module Guide and Program Description
    - Information on Examinations
- → StugA (student council): Facebook "StugA-WiWi", <u>www.stugawiwi.de</u>
  - Organization of orientation week
     Work in several faculty boards
  - CounsellingParties
  - Engagement at StugA meetings...



- → E-mail address university: webmail.uni-bremen.de
  - User name: s\_12x3yz@uni-bremen.de, see semester documents
  - Password: see semester documents
  - Uni e-mail address is the ONLY address used by the university
  - Crucial for infomails from university (e.g. from the faculty, ZPA, StugA)
- → Facebook and Instagram: Study Center, Office for Praxis and Transfer, Office for International Affairs



#### → Language Course German

- As a student in an international study program, you can take a German course with 4 credit hours per week (SWS) for free
- Language courses are offered by the Sprachenzentrum (Language Center) of the Bremen Universities
- German courses:
   <a href="https://www.uni-bremen.de/en/language-centre-of-the-universities-in-the-land-of-bremen/languages-a-z/a-g/german">https://www.uni-bremen.de/en/language-centre-of-the-universities-in-the-land-of-bremen/languages-a-z/a-g/german</a>



- → Institutions at the University of Bremen
  - PBS Psychological Counselling:
    - Anxiety over exams
    - Self-confidence
    - Work structuring
    - ...
  - KIS Office for Students with Disabilities or Chronic Diseases
  - Studierwerkstatt: Learning and applying methods for successful studies
  - AG familienfreundliches Studium: Family Friendly University (student group)
  - Language Centre (SZHB)
- → Overview of consultation services for students https://www.uni-bremen.de/en/university/campus/consultation



# Student Advisory Service

#### **General Information and Counselling**

Study Center Business Studies and Economics

contact: Dr. Katharina Liebscher

e-mail: stzwiwi@uni-bremen.de

phone: +49 (0)421/218-66512

office: Enrique-Schmidt-Straße 1

WiWi1, room A3410

office hours: Mon-Thu upon appointment

#### **Specific Questions and Consulting**

**Program Coordinator MIS** 

contact: Prof. Dr. Julia Kensbock

e-mail: kensbock@uni-bremen.de

phone: (e-mail preferred)

office: Max-von-Laue-Straße 1

WiWi2, room F2430

office hours: upon appointment

web: Faculty Webpage: https://www.uni-bremen.de/en/wiwi

ZPA: https://www.uni-bremen.de/en/zpa

Stud.IP: https://elearning.uni-bremen.de/

Course "Infoveranstaltungen FB7" (Stud.IP)

Course "7Services" (Stud.IP)

Facebook, Instagram

#### MIS Webpage:





# Information on Starting Your Studies

Faculty of Business Studies and Economics

Faculty

Studies

Research

International Affairs

Practice and Transfer

a

University of Bremen > Faculty of Business Studies and Economics > Studies > Master's Degree Programs > Management Information Systems > Academic Program Curriculum

### **Academic Program Curriculum**

Course of Study



#### Useful Information at the Beginning of Your Studies

Email: Start of Your Studies &

Contacts at the Faculty: Click here for the list 2

Info Session "Introduction to the Program": Click here for the Presentation (will come soon)