Introductory Session for
Master Students in Business Informatics
HWS 2023/24

These slides will be available
for download
on the following website:

www.wim.uni-mannheim.de

Master Mailing List

You will be added to the wifo-master mailing list.

Please note: From now on, all email correspondence will go to your University of Mannheim email account!

Check your university mail account regularly!

Communication

1. Please use ONLY your **university e-mail address** in a university environment

2. Identify the right **contact person**

3. E-Mail to **one** person (if you want to write to more than one individual at once, put them in copy)

4. Requests must always include the following **data**: full name, course of study, subjects, semester and matriculation number.

5. Screenshots of IT issues

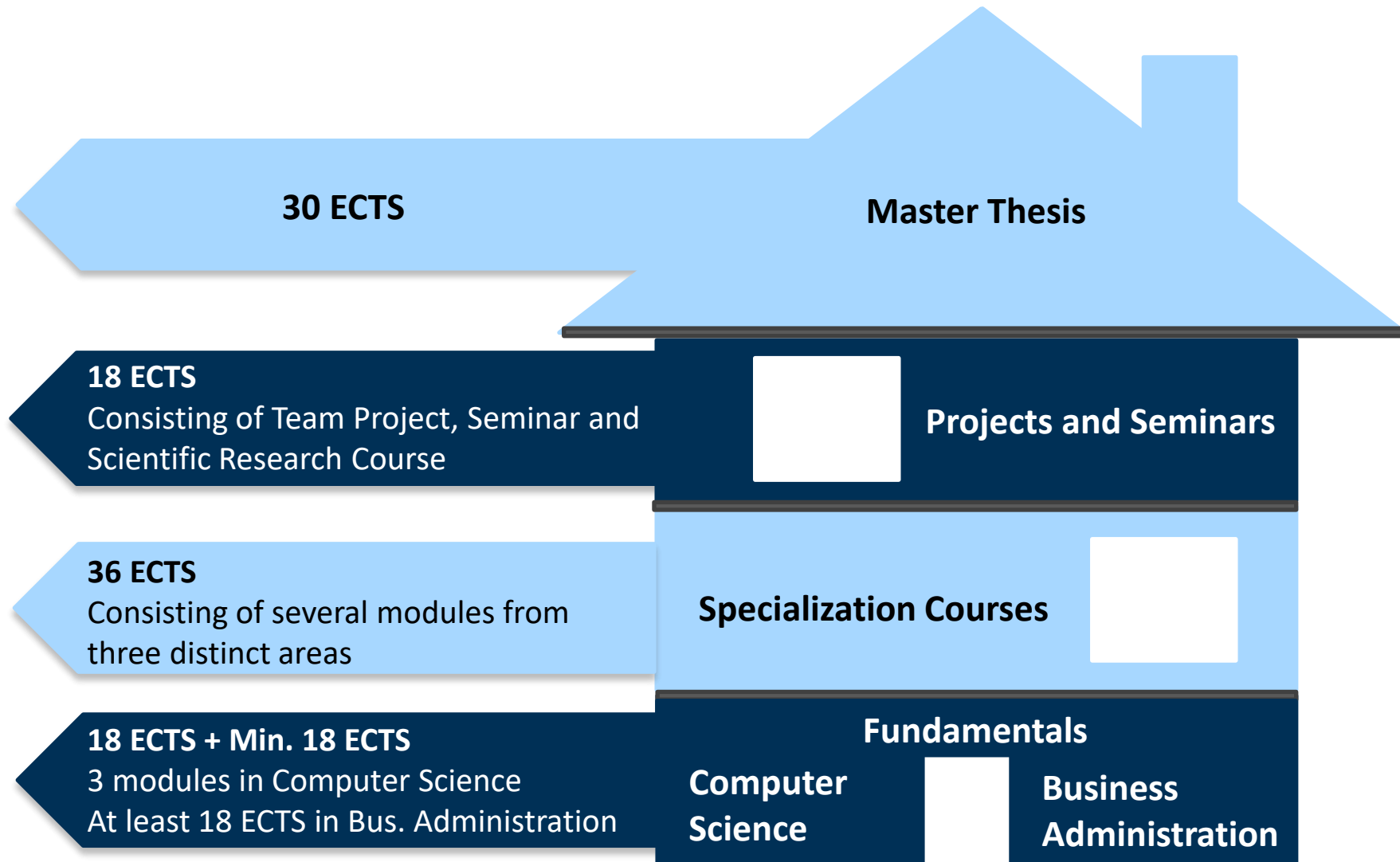6. Keep to **polite forms of communication** (no chat communication!) - appropriate form of adressing and wording

Communication

Good idea	Bad idea
From: max.mustermann@students.uni-mannheim.de Dear Ms. Czanderle/Dear Sir or Madam, I have two questions regarding the organization of the upcoming semester. There is an overlap of two courses. IE 500 Data Mining Exercise I overlaps with the IE 675b Machine Learning lecture. The alternatives that would fit into my week would be the IE 650 Knowledge Graphs lecture or the CS 600 Model Driven Development lecture. Can you help me out with this? Kind regards, Max Mustermann Matriculation number: 123456 M.Sc. Business informatics (1st FS/1st FS)	From: gommemode@gmail.com Hello. ☺☺☺ I am studying business informatics here, what do I have to do? Bye, Max

Agenda

Structure of the M.Sc. Program

30 ECTS

Master Thesis

18 ECTS
Consisting of Team Project, Seminar and Scientific Research Course

Projects and Seminars

36 ECTS
Consisting of several modules from three distinct areas

Specialization Courses

18 ECTS + Min. 18 ECTS
3 modules in Computer Science
At least 18 ECTS in Bus. Administration

Fundamentals

Computer Science

Business Administration

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Fakultät für Wirtschaftsinformatik
und Wirtschaftsmathematik

Structure of the M.Sc. Program Fundamentals Computer Science

Module no.	Name of module	Offered	Language	ECTS
CS 404	Kryptographie I/ Cryptographie I	FSS	E	6
CS 408	Selected Topics in IT-Security	FSS	E	6
CS 500	Advanced Software Engineering	HWS	E	6
CS 530	Database Systems II	FSS	E	6
CS 550	Algorithmics	FSS/HWS	E	6
CS 560	Large-Scale Data Management	HWS	E	6
IE 500	Data Mining I	FSS/HWS	E	6
IE 560	Decision Support	HWS	E	6

Structure of the M.Sc. Program Fundamentals Business Administration

Five distinct focus areas:

Operations Management (OPM)

Management (MAN)

Marketing (MKT)

Accounting and Taxation (ACC & TAX)

Banking, Finance and Insurance (FIN)

Structure of the M.Sc. Program Specialization Courses

Computer Science (CS)

Information Engineering (IE)

Information Systems (IS)

Specialization Courses CS-Courses

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und Wirtschaftsmathematik

Module no.	Name of Module	Offered	Language	ECTS
CS 600	Model Driven Development	HWS	E	6
CS 651	Cryptographie II	HWS	E	6
CS 652	Data Security and Privacy	FSS	E	6
CS 655	Cryptography	FSS	E	6
CS 660	Compiler Construction	HWS	E	6
CS 661	Parallel Programming	FSS	E	6
CS 664	Blockchain Security	HWS	E	6
CS 666	Digital Forensics and Incident Response	HWS	E	6
DS 203	Responsible AI: Conceptual Foundations, Methods and Applications	HWS	E	6
	Reinforcement Learning – Coding	HWS	E	5
CS 647	Image Processing	HWS	E	6
CS 646	Higher Level Computer Vision	HWS	E	6

Specialization Courses
IE-Courses

Information Engineering (IE)

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Module no.	Name of Module	Offered	Language	ECTS
IE 630	Query Optimization	FSS	E	6
IE 650	Knowledge Graphs	HWS	E	6
IE 670	Web Data Integration	HWS	E	3
IE 671	Web Mining	FSS	E	3
IE 672	Data Mining II	FSS	E	6
IE 675b	Machine Learning	HWS	E	9
IE 678	Deep Learning	FSS	E	6
IE 692	Advanced Process Mining	FSS	E	6

Specialization Courses
IE-Courses

Module no.	Name of module	Offered	Language	ECTS
IE 683	Web Data Integration Project	HWS	E	3
IE 684	Web Mining Project	FSS	E	3
IE 694	Artificial Intelligence Applications in Industry	FSS	E	6
IE 696	Advanced Methods in Text Analytics	HWS/FSS	E	6

Specialization Courses
IS-Courses

Module no.	Name of module	Offered	Language	ECTS
IS 512	IT Management in the Digital Age	MMM*	E	6
IS 513	Applied IT Management in the Digital Age	MMM*	E	6
IS 515	Process Management & Analytics	MMM*	E	6
IS 540	Management of Enterprise Systems	MMM*	E	6
IS 541	Methods and Theories in Information Systems (ManTIS)	MMM*	E	6
IS 556	Public Blockchains	MMM*	E	6
IS 607	Digital Innovation	MMM*	E	6
IS 613	Applied Project in Design Thinking and Lean Software Development	MMM*	E	6

Specialization Courses
IS-Courses

Module no.	Name of Module	Offered	Language	ECTS
IS 614	Corporate Knowledge Management	MMM*	E	6
IS 615	Design Thinking and Lean Development in Enterprise Software Development	MMM*	E	6
IS 616	Large Scale Data Analysis and Visualization	MMM*	E	6
IS 622	Network Science	MMM*	E	6
IS 629	Agile Software Product Management and Design	MMM*	E	6
IS 661	Text Analytics	MMM*	E	6

For a detailed description please use the module catalog of the „Mannheim Master in Management":
https://www.bwl.uni-mannheim.de/media/Fakultaeten/bwl/Dokumente/Studium/MMM/Modulkatalog_MMM_Deutsch.pdf

How to select your Specialization Courses

- You need modules with 36 ECTS in total
- You have the free choice among all offered modules
- After passing the subject area Fundamentals Computer Science, you may choose additional courses from this area as specialization courses
- More information can be found in the examination regulations (§ 28)

Projects and Seminars

Team Project
12 ECTS /

Seminar
4 ECTS

Scientific Research
2 ECTS

PLEASE NOTE:
Each student MUST take a Seminar and Scientific Research as well as a Team Project.

Projects and Seminars - Team Projects

Team Project
12 ECTS /

- 12 ECTS, 1 or 2 semesters
- **Presentation: at 10:15 am on September 4.**
- Registration: portal² "Team Projects Master Wifo & MMDS"
- Registration will start on September 4.
  You can register until September 7.
- Registration is possible AFTER the presentation of the new Team Projects!

Projects and Seminars -
Team Projects

Withdrawal from a team project:

- If you have applied and have been accepted for a team project, then you are registered for the examination

- You can withdraw from the team project within
  - 3 weeks for a 6-month team project
  - 6 weeks for a 12-month team project

- To withdraw from the team project, you have to inform:
  - Your supervisor
  - Birgit Czanderle (will inform the Student Services Office)
    → email to studienberatung.wim@uni-mannheim.de

Projects and Seminars
Scientific Research Course

Scientific Research
2 ECTS

- 2 ECTS

- Block seminar during the semester or in lecture-free period

- Offered several times a year

- Dates will be announced via mailing list

Seminars

Seminar
4 ECTS

Module no.	Name of module	Offered	Language	ECTS
CS 701	Selected Topics in Algorithmics and Cryptography	Irregular	E	4
CS 704	Master Seminar Artificial Intelligence	Irregular	E	4
CS 707	Seminar Data and Web Science	Irregular	E	4
CS 708	Seminar Software Engineering Prof. Atkinson	Irregular	E	4
CS 709	Seminar Text Analytics	Irregular	G/E	4
CS 710	Selected Topics in Data Science	Irregular	G/E	4
CS 715	Large-Scale Data Integration Seminar	Irregular	E	4
CS 716	IT-Security	Irregular	E	4
CS 719	Seminar on Process Analysis	Irregular	E	4

Seminars

Module no.	Name of module	Offered	Language	ECTS
CS 720	Uncertainty Estimation	Irregular	E	4
CS 721	Seminar Data-Science I	Irregular	E	4
CS 722	Seminar Ethical Aspects of AI	Irregular	E	4
CS 730	Advanced Implementation Techniques for Database Systems	Irregular	E	4
CS 731	Database Theory	Irregular	E	4
IE 704	Seminar AI Systems Engineering	Irregular	E	4
IS 712	Contemporary Issues in Information Systems Research	Irregular	E	4

Seminars

Module no.	Name of module	Offered	Language	ECTS
IS 722	Seminar Context- Aware and Distributed Systems	MMM*	E	4
IS 742	Seminar Trends in Enterprise Systems	MMM*	E	4
IS 751	E-Government Adoption and Societal Change	MMM*	E	4
IS 752	Seminar on Process and Management Analytics	MMM*	E	4

Seminars

- Registration for CS-seminars via Portal² until September 4
- You have to choose at least 3 priorities
- IE- and IS-seminars have different application process
- BUT: consider the requirements of each seminar

Masters Thesis

- 6 Months
- Every chair has individual requirements that you have to fulfill to be considered
- It is recommended to not write any exams during this period

Masters Thesis

In addition to the general information:

- It is your own responsibility finding a supervisor
- So, start early enough contacting relevant chairs

If you cannot find a supervisor after a relevant effort you can apply for our EMERGENCY-process.

But keep in mind: this is really for emergency and not Plan A to do!

Study abroad

- All students have the opportunity to study abroad
- for one or two semesters
- without paying tuition fees

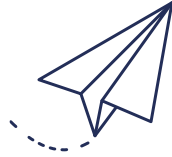*Credits: Sophie Henle*

What for?

Don't miss the unique opportunity to

- – immerse yourself in another culture
- – overcome challenges and gain new soft skills
- – experience high-class education systems
- – brush up your foreign language skills
- – form lifelong friendships and international networks
- – boost your CV and your career opportunities
- – …

Where to?

- with over **450 partner universities in 60 countries,** you can choose from a variety of universities all around the globe

- 70 of those are faculty-owned partner universities

- even lesser-known regions can become exciting destinations for your exchange!

First steps

- take a look at the different **application deadlines,** depending on your program of study and your host country

- take part in one of the mandatory **Introductory Study Abroad Sessions** right at the beginning of your studies

- look for suitable **partner universities** all around the globe

Application Deadlines

Exchange destinations and application deadlines are divided into two regions:

Region	Deadline	Semester
Overseas North & South	**15 October 2023**	fall 2024 or spring 2025
Europe (without Russia)	**31 January 2024**	fall 2024 or spring 2025
Europe (remaining places)	**30 April 2024**	fall 2024 or spring 2025

Table for Master degrees starting in the fall term 2023.

If you want to travel to Overseas North in fall semester of 2024 or spring semester of 2025, you have to apply by 15 October 2023!

Contact

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Consultation hour(s):

by appointment via email