Introduction to the Master’s program

*Information Systems Management (Wirtschaftsinformatik)*

Prof. Dr. Stefan Tai
Welcome

The next 30 minutes
• „Information Systems Management“ 2018
• Introduction to the Master's program
• Organizational information

....followed by
• Q&A with student counselors
A Connected World
Disruptive innovations and game changers

Infographic source: smartinsights.com
5 Reasons Businesses Use the Cloud

Every year, more and more businesses are adopting cloud. While traditionally thought of as an IT decision, cloud is increasingly being considered a business decision to enable company functions. Take a look at five reasons why more businesses are adding the cloud to their technology arsenals.

1. It offers better insight and visibility
   Businesses are using cloud technology to support their analytics efforts. Of leading organizations:
   - 54% use analytics extensively to derive insights from big data
   - 59% use cloud to share data seamlessly across applications
   - 59% intend to use cloud to access and manage big data in the future

2. It makes collaboration easy
   Cloud allows work to be accessed from anywhere on multiple devices, making cross-functional collaboration much easier. Here’s what leading organizations—those that are gaining competitive advantage through cloud—cited as popular uses:
   - 58% collaborate across the organization and ecosystem
   - 59% improve integration between development and operations

3. It can support a variety of business needs
   Companies are forging a tighter link between technology and business outcomes. Take a look at the business functions companies have migrated to the cloud.
   - 18% messaging
   - 15% storage
   - 13% office/productivity suites

4. It allows for rapid development of new products and services
   The cloud offers businesses valuable capabilities. Here’s what leading organizations say it enables them to do:
   - 52% use it to innovate products & services rapidly
   - 24% are able to offer additional products & services

5. The results are proven
   From business growth to increased efficiency, businesses using cloud are realizing benefits across the company.
   - 25% of businesses saw a reduction in IT costs
   - 55% saw an increase in efficiency
   - 49% saw improvement in employee mobility

Sources: CDW, IBM Center for Applied Insights
“Information Systems [Engineering/Management]”

...has traditionally been about:
  “practical and theoretical problems of collecting and analyzing information in a business function area including business productivity tools, applications programming and implementation, electronic commerce, digital media production, data mining, and decision support” [Wikipedia]

...today is more about:
  „Decisions in computer science of strategic relevance“: Without a profound knowledge in (core) computer science strategic decision making is no longer possible

  „Computer Science + Management“ – or –
  „Software and Information Science + Management“
„Riding the Architect Elevator“ *

*Credits to Gregor Hohpe,
### Key Information

<table>
<thead>
<tr>
<th>Title</th>
<th>Information Systems Management (Wirtschaftsinformatik)</th>
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| Starting dates | April *(summer semester)*  
October *(winter semester)* |
| Credit points | 120 |
| Duration | 4 semesters |
| Degree | Master of Science (M.Sc.) |
| Languages | English, German |

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**...further information available:**

# Organization of the Master’s program

<table>
<thead>
<tr>
<th>120 CP</th>
<th>Information Systems Management (Wirtschaftsinformatik)</th>
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<tbody>
<tr>
<td>1st semester 30 CP</td>
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<tr>
<td>2nd semester 30 CP</td>
<td>\textit{Studies in Information Systems} (Fachstudium Wirtschaftsinformatik) 24 to 30 CP</td>
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<tr>
<td>3rd semester 30 CP</td>
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<td>4th semester 30 CP</td>
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“Study Areas”
What is a Study Area?

A study area ...

- ... accumulates modules of different chairs (Fachgebiete) under a specific focus to provide a professional deepening and profiling
- ... offers a better orientation within the module offering of Faculty IV
Core Studies (Fachstudium)

**Studies in Information Systems (Fachstudium Wirtschaftsinformatik)**
Compulsory elective modules worth **24 to 30 CP** from the study area

- Information Systems (Informationssysteme)

**Studies Computer Science (Fachstudium Informatik)**
Compulsory elective modules worth **18 to 24 CP** from **one** of the study areas

- Distributed Systems and Networks (Verteilte Systeme und Netze)
- Data and Software Engineering
Program Structure

Core Studies (Fachstudium)

Studies in Economics & Management (Fachstudium Wirtschaft und Management)
Compulsory elective modules worth 18 to 24 CP from the catalog

- Business, Economics and Management
Classes at TU Berlin are categorized as

- Lectures (VL – Vorlesungen)
- Exercises (UE – Übungen)
- Seminars (SE – Seminare)
- Integrated lectures consisting of lectures and exercises (IV – Integrierte Veranstaltung)
- Projects (P – Projekte)

**Important:**
*Modules of ≥12 CP must belong to the Project category*
Electives
Students may choose *any modules* worth 12 to 18 CP from the entire range of courses offered at scientific institutions of higher education in the Berlin-Brandenburg region.

Master's thesis
worth 30 CP, see next slide for main research areas

*After successfully completing the Master's program you will receive the academic degree 'Master of Science' (M.Sc.)*
**Support**

Student Counseling
Room MAR 6.021
Tel. 314 - 2 10 05 | studienberatung-cs@eecs.tu-berlin.de
Consultation hours: online

**Examination Board Information Systems Management (Prüfungsausschuss Wirtschaftsinformatik)**
The Examination Committee is responsible for all issues related to examinations, including:
- Designating examiners and co-examiners
- Recognition of grades or credits earned outside Faculty IV
- Granting approvals of non-required courses
- Granting approvals for deadline extensions and exceptions

Chair: Prof. Dr. Sabine Glesner
Office: **Verena Salomo** | Room MAR 6.023 | Tel. 314 - 7 34 00 | verena.salomo@tu-berlin.de
Consultation hours: Mon/Tue 9-12, Wed/Thu 10-16
Academic Coordinator
Prof. Dr.-Ing. Stefan Tai | tai@tu-berlin.de
Office: Anita Hummel | Room EN-247a
Tel. 314 - 732 60 | anita.hummel@tu-berlin.de
Consultation by arrangement

„Freitagsrunde“ – Student Initiative of Faculty IV
http://wiki.freitagsrunde.org/Hauptseite
Office: Room MAR 0.005
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Thank You

and

Best wishes for your studies!