

# CIT

Complex and Distributed IT Systems

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Operating Complex IT-Systems

BSc/MSc Seminars – Winter Term 2017/18

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# Agenda

1. Organizational Matters
  - Credits, Module, Registration
2. Learning Objectives

# Organizational Matters - Credits

- Fulfills the requirements of a „seminar“ in the computer science course studies
- OCITS BSc is targeted at Bachelor students of:
  - Informatik
  - Technische Informatik
  - Wirtschaftsinformatik
- OCITS MSc is targeted at Master students of:
  - Informatik
  - Technische Informatik (Computer Engineering)
  - Wirtschaftsinformatik
  - ICT Innovation
- Worth 2 SWS / 3 ECTS

# Organizational Matters – Module

- Module: Bachelor Seminar: Operating Complex IT-Systems
  - Portfolioprüfung
  - 100 points total (55P presentation, 45P paper)
  - Your total points are graded according to „Notenschlüssel 1“
    - $\geq 50$ P to pass,  $\geq 86$  for 1.0
- Module: Master Seminar: Operating Complex IT-Systems
  - Portfolioprüfung
  - 100 points total (55P presentation, 45P paper)
  - Your total points are graded according to „Notenschlüssel 1“
    - $\geq 50$ P to pass,  $\geq 86$  for 1.0

# Organizational Matters – Registration

- Register via email to [lauritz.thamsen@tu-berlin.de](mailto:lauritz.thamsen@tu-berlin.de) until 9am on October 23
- Email registration is not enough though:
  - Capacity is limited to 12 (in case we have more registration, I will follow *AllgStuPO* (§36) and select participants with the same priority randomly)
  - After I confirmed your registration on October 23, you also have to sign up for the module via **QISPOS until October 31**

# Agenda

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# Learning Objectives

- Goals:
  - Introduction to academic research and writing
  - Practice how to research and present a topic
  - Learn how to write a scientific essay
    - Essay should not only be a summary of a single paper, present an entire topic in your own words
    - Compare, evaluate, outline improvements, show open questions
    - Be practical: when to use technologies? try stuff, show code, give demos!
    - Be critical: Obvious limitations not stated? Future work still future work? How difficult is it to use technology?

# Learning Objectives

- Each student will get his own topic
- We will discuss current topics in the areas of distributed systems, cloud computing, and machine learning
- We provide literature entry points for each topic, but expect you to look for additional literature

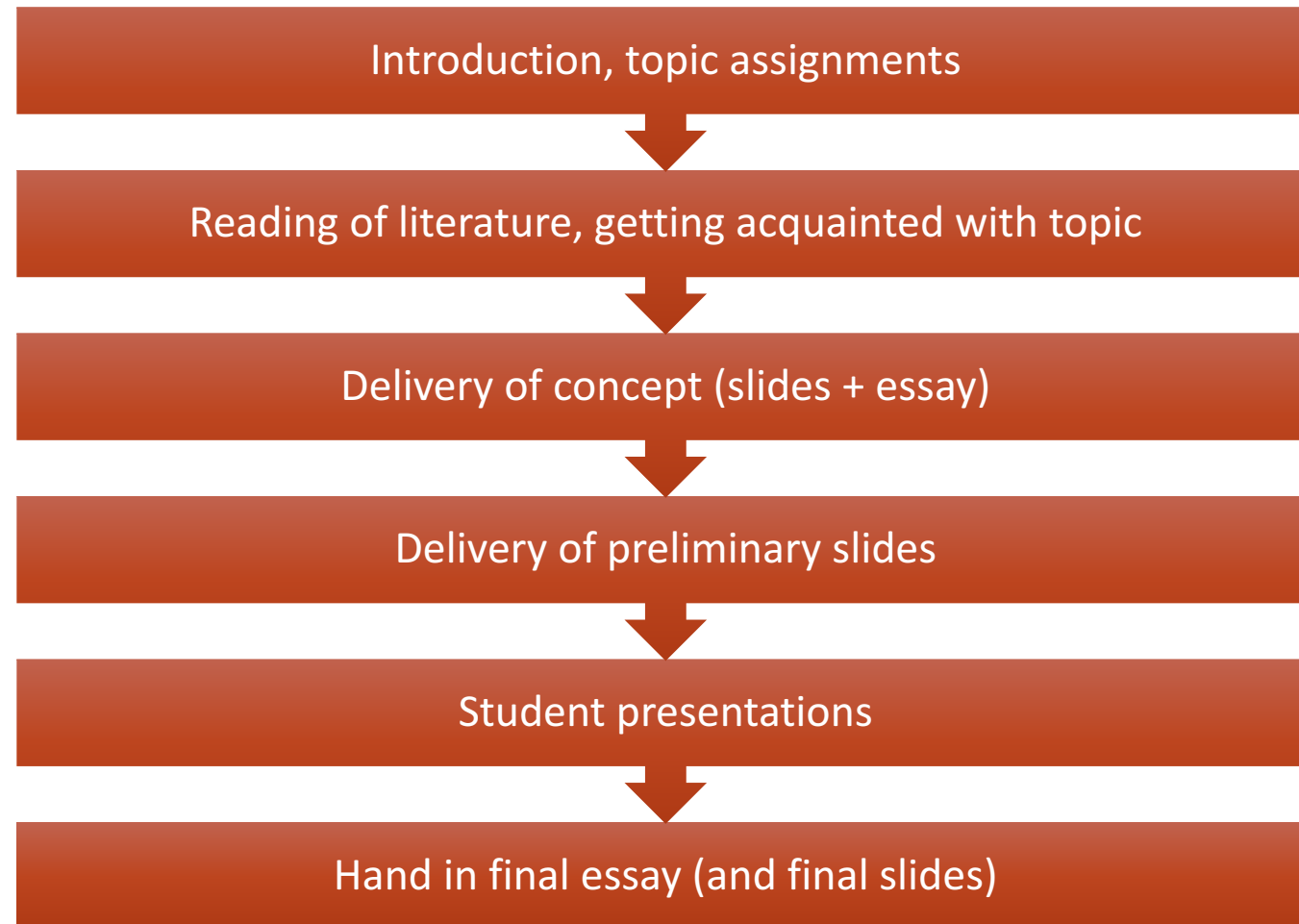


# Learning Objectives

- Giving a scientific presentation (in English)
  - 20 min presentation + 5-10 min discussion
- Writing a scientific essay (in English)
  - BSc Students: 4-5 pages including title page, figures, references, ...
  - MSc Students: 5-6 pages including title page, figures, references, ...
  - Handing in essays that violate page limits will result in deduction of points, no matter of content!
  - Essays **must comply to IEEE style**, see link on the course website
- Our servicetalk “Scientific writing and presenting” will give you advice on both, while in the seminar you practice both and get feedback

# The Seminar Step-by-Step

- See website for specific firm deadlines



# Topics and Topic Assignment

- List of available topics is available on website (see provided document)
- **Please send your *choice of at least three topics* via email to [lauritz.thamsen@tu-berlin.de](mailto:lauritz.thamsen@tu-berlin.de) until 9am on October 23**
- I will try to resolve any conflicts and will take into account these preferences as far as possible – where not possible, I will work with you to find a suitable alternative topic
- I will send you your assigned topic with the confirmations of registration on October 23

# Final Remarks

- Please attend our service talk on November 1, 4pm in E-N 152
- We will not grade concept and preliminary slides, but ...
  - Bad concept/slides will most likely impact final grade of seminar, because you will only get less and superficial feedback!
  - Talk to me as early as possible, when you face any problems!
- Deadlines are firm!