

Teamwork I

Task description

As a team, familiarize yourself with the topic provided to you using information provided at the lectures, in materials, in additional materials, **course book**, and with possible other materials your own search for information provides. Cross-check the information, especially if you utilize AI in your information retrieval.

As a team, after you have gathered the necessary detailed enough information about the topic, prepare a short (10-15 min) group presentation of the topic. The presentation should be an introductory overview of a topic for an audience that you can assume to have some technical background but no prior knowledge of this specific topic. The presentations will take place on the 14.12. ending seminar lecture.

You can utilize following for example questions when gathering information and creating presentation of the topic:

- Why is the topic relevant/important/necessary in the context of digital technology?
- What are the key elements of your topic and what their roles are within the topic?
- What are the typical methods/techniques/algorithms used within your topic?
- What are common example(s) of hands-on applications from within your topic?
- How does your topic relate to digital information representation?

Timetable

- Introduction of the team work during 30.11. lecture.
- Time to complete the task as a group (same groups as topic assignments): 30.11.-14.12.
- Groups presentation in ending seminar on 14.12., see instructions below for how to prepare for the ending seminar
- Additional guidance will be given in both courses' lectures during weeks 49 and 50 on request.
- Final guided time for preparing the presentation will be organized during the Working in International Teams class in week 50.

Tasks & teams

Teams	Topic
(Teams on campus) team 1, (Teams online) team 2	Different number systems and conversions between the systems
(Teams online) team 3, (Teams on campus) team 1	Binary number system and binary arithmetics
(Teams on campus) team 2, (Teams online) team 1	Character encoding and transcoding
(Teams online) team 2 (Teams on campus) team 3	Logic in Digital Technology
(Teams on campus) team 4, (Teams online) team 1	Logic gates, truth tables and logic circuits

Instructions on end seminar and presentations of team work I

General instructions for groups:

- Prepare a presentation with slides (Powerpoint, Prezi, ..). Make sure the presentation can be shown through Powerpoint-software or a web browser.
- Make sure all group members take part in the presentation and everybody has an equal share of work, also when presenting.
- Respect the schedule.
- The basics of presentation skills will be handled in Working in Intl Teams on Thursday (7 Dec)

If you are in an on campus -group:

Where:

Classroom X

Timetable:

12.45-12.50 Opening words (Lecturers)

12.50-13.05 (Teams on campus) team 1

13.05-13.20 (Teams on campus) team 1

13.20-13.35 (Teams on campus) team 2

13.35-13.50 (Teams on campus) team 3

13.50-14.05 (Teams on campus) team 4

14.05-14.10 Closing words (Lecturers)

Recording:

You can find the recording of the on campus -seminar from [here](#).

If you are in an online group:

Where:

Virtual classroom of Digital Technology Essentials -course

* Make sure you have your web camera and microphone set up and ready for the presentation.

Timetable:

14.20-14.25 Opening words (Lecturers)

14.25-14.40 (Teams online) team 2

14.40-14.55 (Teams online) team 3

14.55-15.10 (Teams online) team 1

15.25-15.40 (Teams online) team 2

15.40-15.55 (Teams online) team 1

15.55-16.00 Closing words (Lecturers)

Recording:

You can find the recording of the online -seminar from [here](#).