

# Designing Technology – Session I

## Kick-Off

14 October 2024

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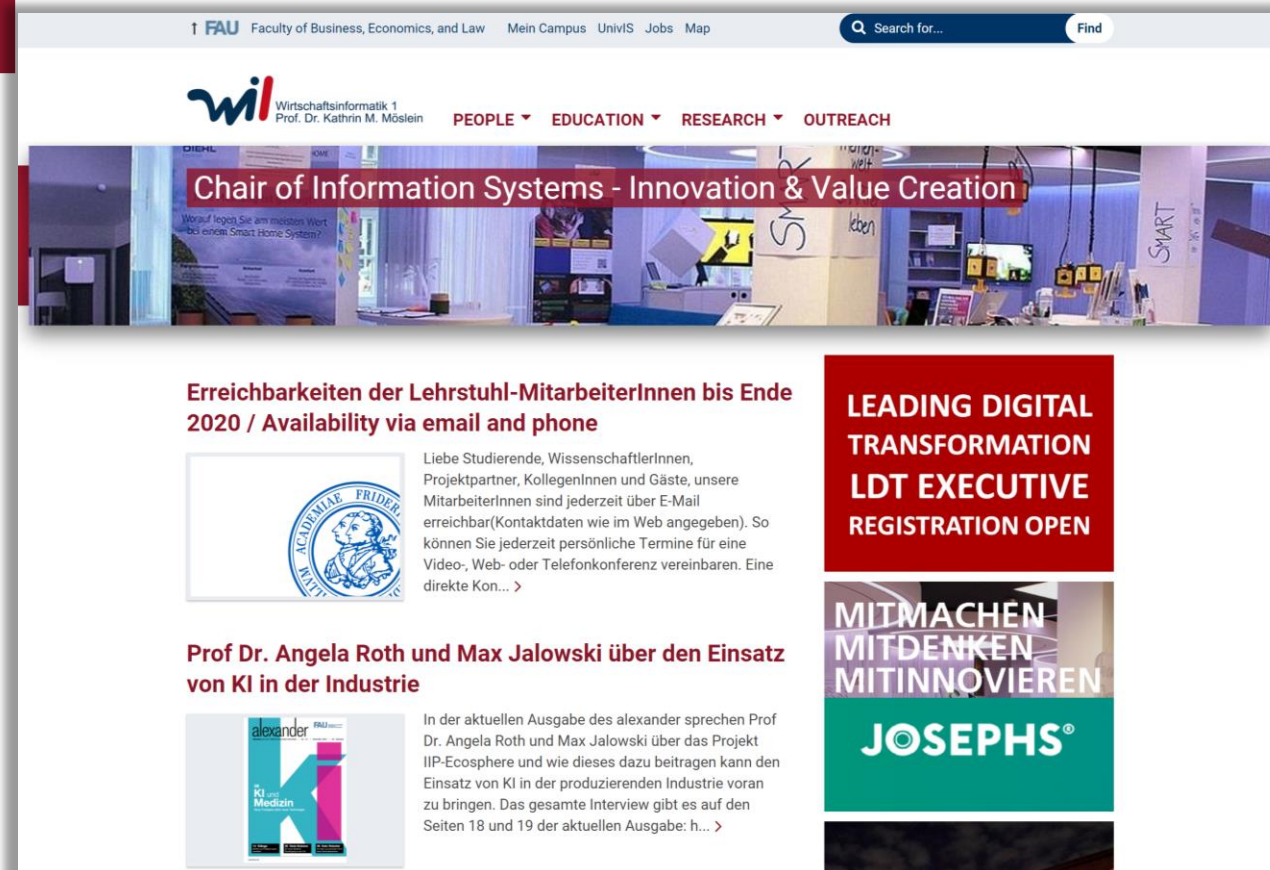


Industry Partner

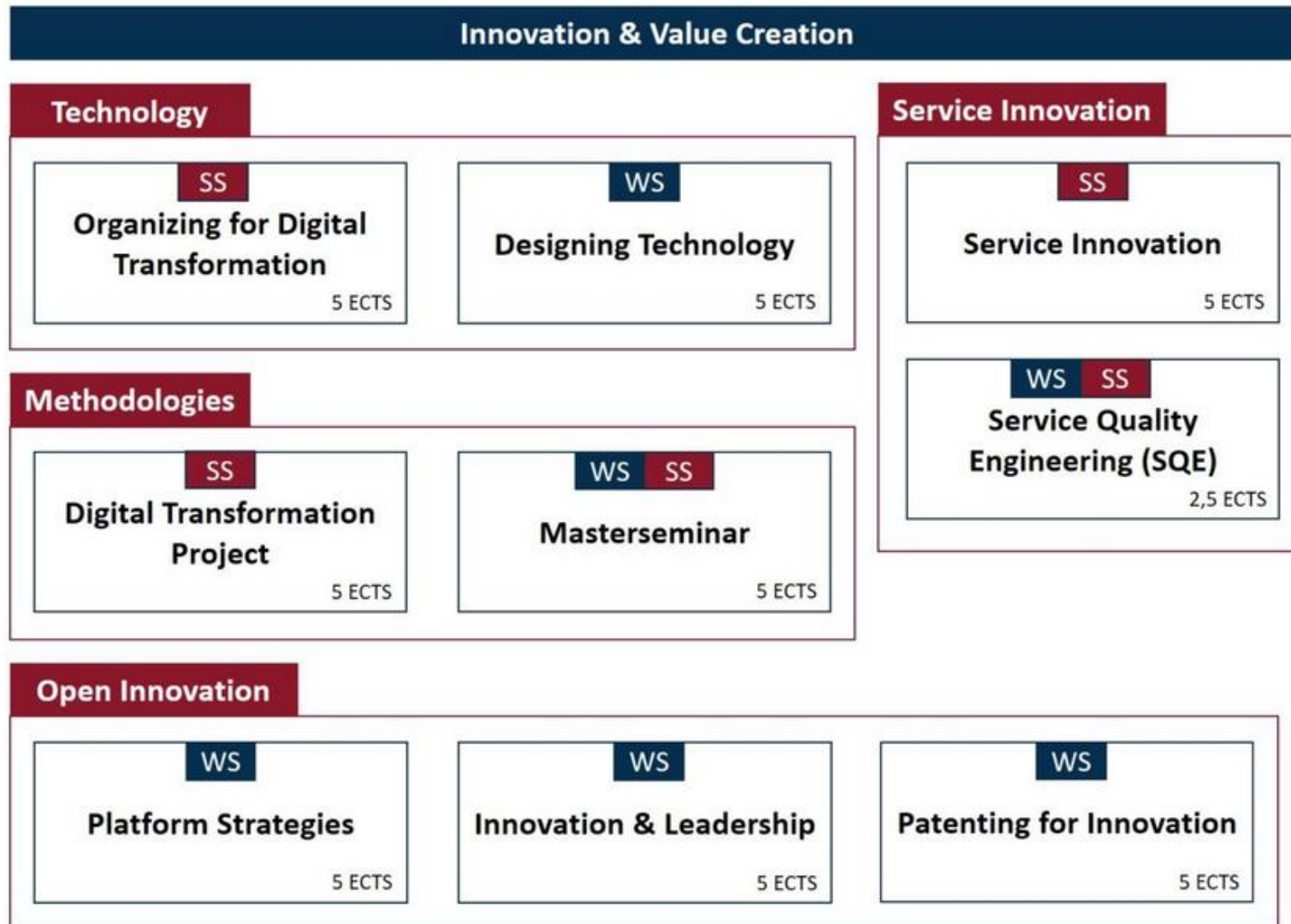
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- 1 **Course Organisation**
  - 2 **Working Mode during the Course**
  - 3 **Q&A**

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[www.wi1.rw.fau.de](http://www.wi1.rw.fau.de)



The screenshot shows the website for the Chair of Information Systems - Innovation & Value Creation. The header includes the FAU logo, navigation links (Mein Campus, UnivIS, Jobs, Map), a search bar, and the chair's name. The main navigation menu lists PEOPLE, EDUCATION, RESEARCH, and OUTREACH. The main banner features a photograph of a modern office space with the text "Chair of Information Systems - Innovation & Value Creation". Below the banner, there are three main content blocks: 1. "Erreichbarkeiten der Lehrstuhl-MitarbeiterInnen bis Ende 2020 / Availability via email and phone" with a circular logo and text about contact options. 2. "Prof Dr. Angela Roth und Max Jalowski über den Einsatz von KI in der Industrie" with a cover image of the journal "alexander" and text about an interview. 3. "LEADING DIGITAL TRANSFORMATION LDT EXECUTIVE REGISTRATION OPEN" and "MITMACHEN MITDENKEN MITINNOVIEREN JOSEPHS®" promotional banners.





- Systems Thinking
- Cybernetics
- Resource Analytics
- Dynamic Capabilities

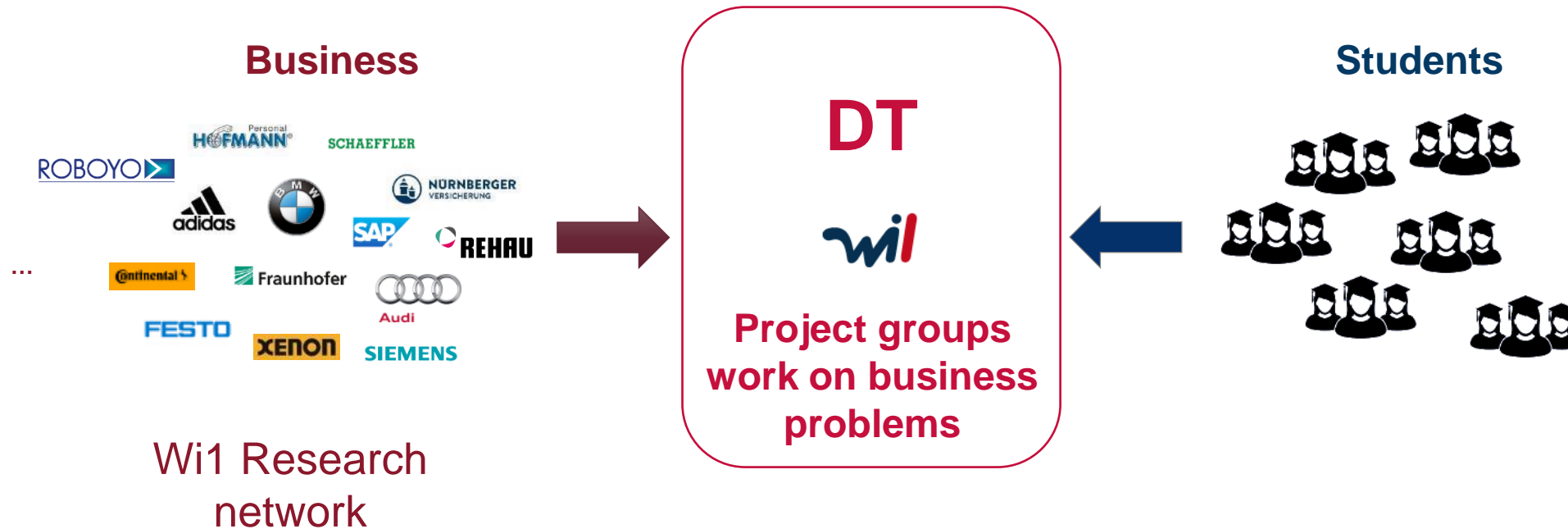
- Design Thinking
- Heuristic Search
- Evolutionary Models
- Project Management

# Course Outline



# Course Format

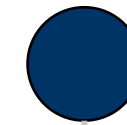
Designing Technology



# Course Schedule

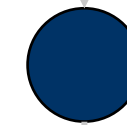
Sessions and exam deadlines

Session	Date	Time
<b>Session I</b> <i>Course Kick-Off &amp; Case Introduction</i>	14.10.24	13:15 – 15:00
<b>Session II</b> <i>Case Presentation by Project Partner &amp; PM and SCRUM</i>	28.10.24	13:15 – 14:45 15:00 – 16:30
<b>Session III</b> <i>Designing Technology</i>	04.11.24	13:15 – 14:45 15:00 – 16:30
<b>Session IV</b> <i>Design &amp; Innovation</i>	11.11.24	13:15 – 14:45 15:00 – 16:30
<b>Session V</b> <i>DSR</i>	18.11.24	13:15 – 14:45 15:00 – 16:30
<b>Session VI</b> <i>Writing &amp; Presenting</i>	25.11.24	13:15 – 14:45 15:00 – 16:30
<b>Session VII</b> <i>Mid-Term-Presentation</i>	09.12.24	13:15 – 14:45 15:00 – 16:30
<b>Session VIII</b> <i>Final Presentation of Research Project</i>	24.02.25	13:15 – 16:30
<b>Hand-In for Written Assignment</b>	17.03.25	23:55



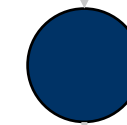
14.10. | Session I – Kick-Off

*Choose to take the course or un-register*



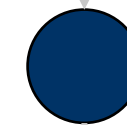
21.10. 13:15 | Final registration

*Team formation & case selection via StudOn (first come, first served)*



28.10. | Session II – Case partner presentation & Lecture

*Reach out to your supervisors at case partner*



04.11. | Session III – Lecture

*Continuous feedback on your initiative*

# Detailed Course Schedule

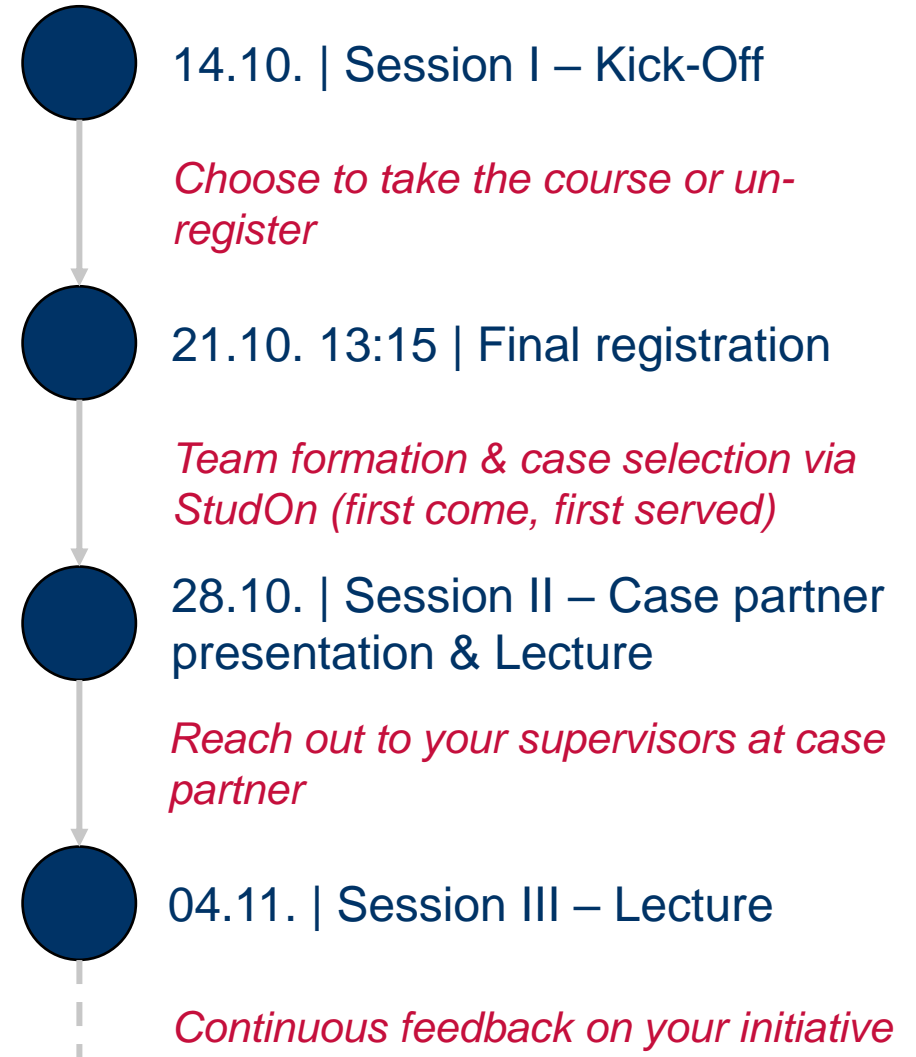
Registration to the course



- Register for course until October 21<sup>st</sup> 13:15
- Once registered, you will receive a grade!

<https://terminplaner6.dfn.de/de/b/e69a123fed08b6ea90fcc6a09503d5b8-370022>

- Students organise themselves in teams by registering to the groups on StudOn (3-6 students per group)
- We have 2 teams for each of the 3 Use-Cases. Choice is up to you and follows a first-come, first-serve manner.
- Please ensure that each team has a diverse background. E.g. focus on business, IT, informatics, PM



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Examination:

The course grade will be determined based on the following mode of evaluation:

- Research Project (50%) (partly team work) (70742)
  - Written Assignment (50%) (partly team work) (70741)
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These measures are independent of the group size.

## Scope of the paper

- The length of the paper should be between 20-30 pages, which is measured by word count. This corresponds to 6,500-10,000 words.
- Templates are on the website
- In addition, we have a whole “how to write seminar papers” session

## Scope of the presentation

- The duration of the presentation should be within 30 min +/- 3 min. We suggest around 15 min presentation of the business case and 15 min demonstration (Mock-Up)
- The presenters should have more or less equal length of speaking time
- In the last session we focus on presentation skills and “how to present in business”

# Plagiarism is a serious offence!

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## What is plagiarism?

- Plagiarism is the unauthorized use or close imitation of the language and thoughts of another author and the representation thereof as one's own original work

## There is a zero tolerance policy for plagiarism!

- Each assignment will be checked for plagiarism using a variety of methods
- Any case of plagiarism will be reported to the board of examiners

## Consequences of plagiarism

- The final grade will be a 5.0
- The paper containing suspected plagiarism will be forwarded to the board of examiners, who will decide about further consequences. Plagiarism is a serious offence that can lead to severe consequences like a removal from the register of students

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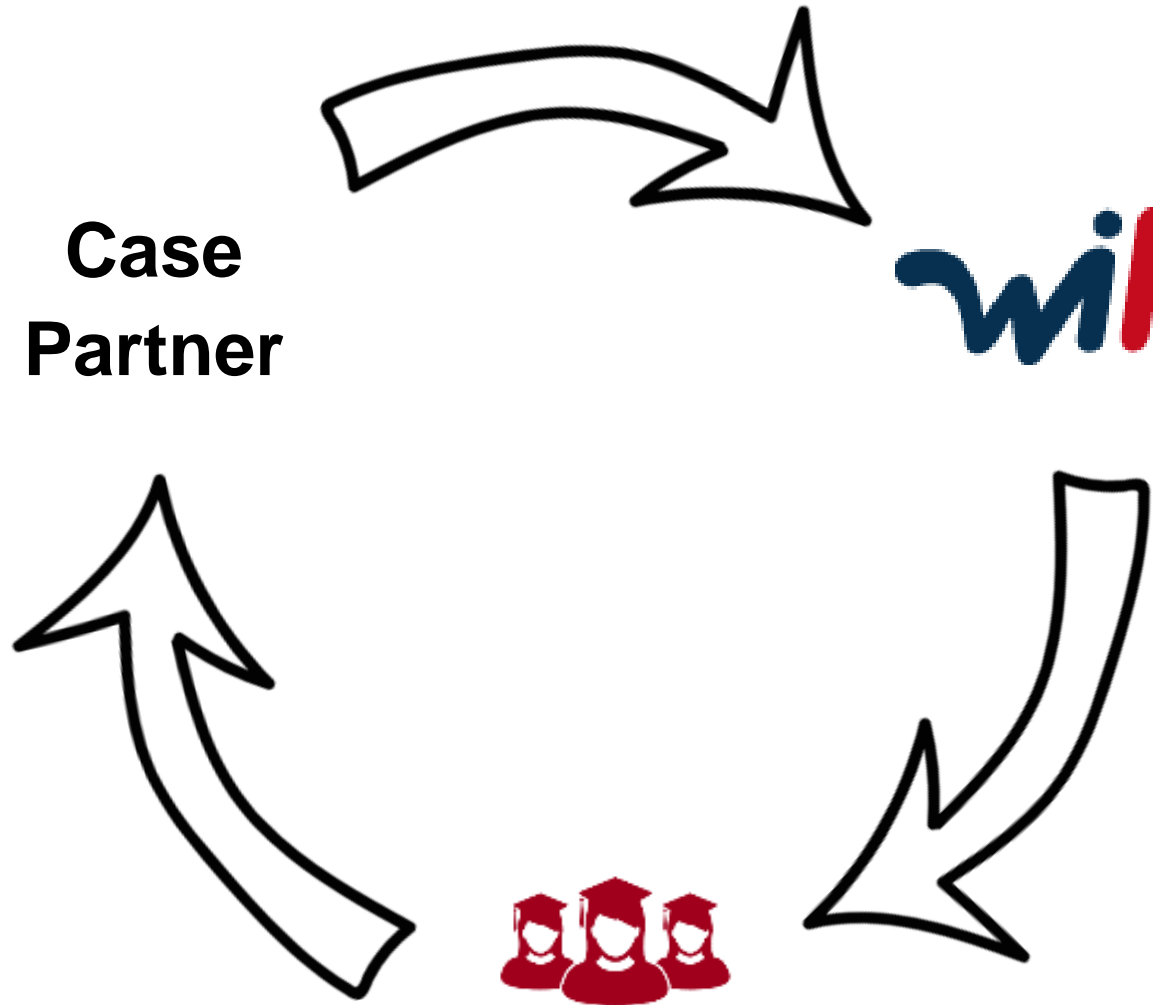
**1 Course Organisation**

**2 Working Mode during the Course**

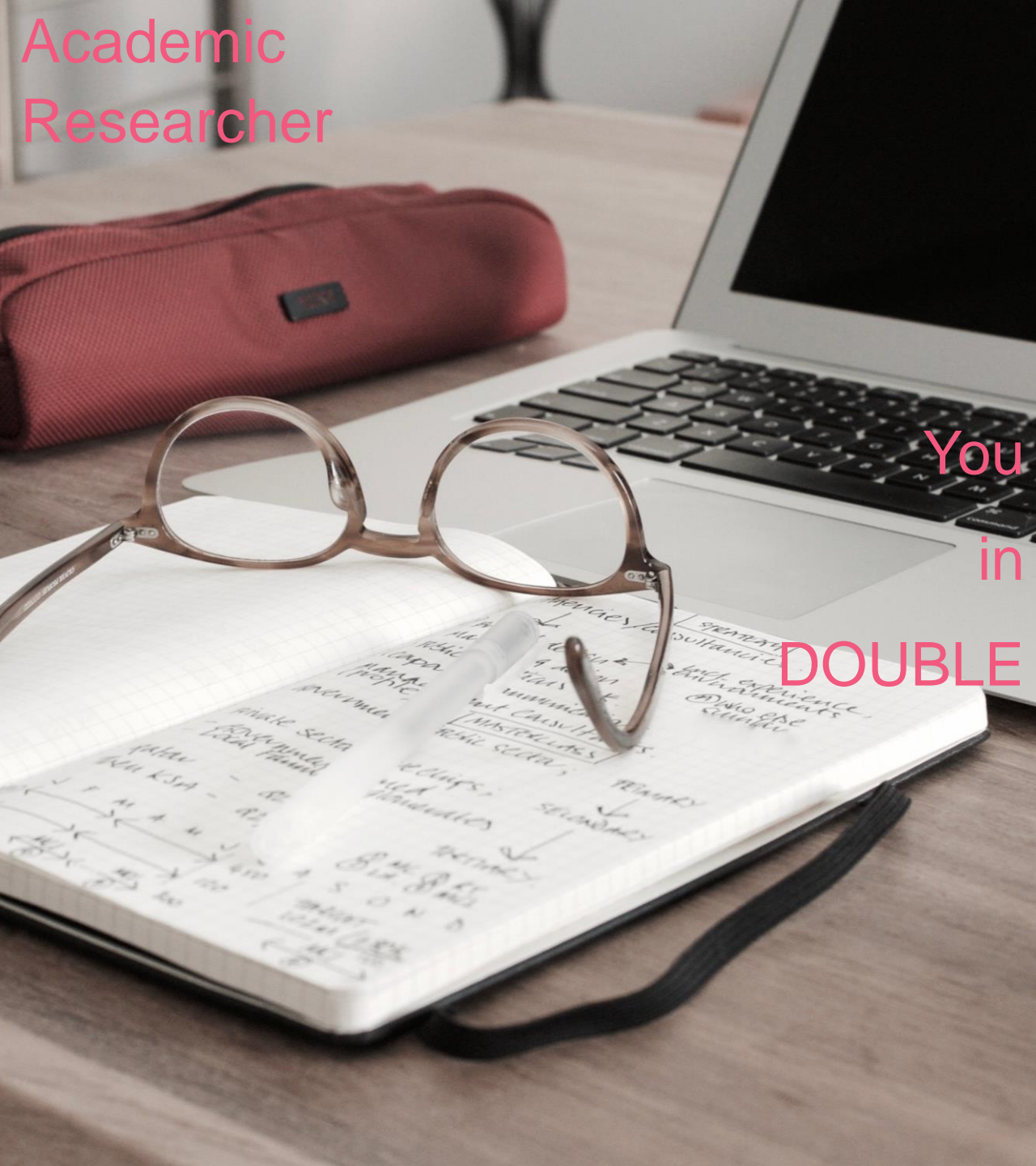
**3 Q&A**

# How we work in DT

The working mode







Academic  
Researcher

Developer for  
Businesses

You are  
in a

DOUBLE ROLE

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TECHNOLOGY



DESIGNING THEOREM  
**NLP**

LARGE LANGUAGE MODELS  
**NLP**



RETRIEVAL AUGMENTED GENERATION



RETRIEVAL AUGMENTED GENERATION



**LAG LAG**



RETRIEVAL-LANGUAGE-MODELS



RETRIEVAL-AUGMENTED-GENERATION

GENERATION



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Q&A

