

# Practical Course Software Engineering for Business Information Systems – SEBA Lab Course: Preliminary Discussion

Oleksandra Klymenko, Zoom, 7<sup>th</sup> of July, 2021

Chair of Software Engineering for Business Information Systems (sebis)  
Faculty of Informatics  
Technische Universität München  
[www.matthes.in.tum.de](http://www.matthes.in.tum.de)

## Goals of the SEBA Lab Course (former Web App Lab)

- Deepen your knowledge from the Web Application Engineering (SEBA Master) course
- Get familiar with new technologies such as Blockchain, NoSQL databases, Cloud Computing, REST APIs, React.js, NLP, ML, etc.
- Get more practical experience in application development
- Collect teamwork experience and practice presentation skills in English
- Participate in current research projects at sebis and collaborate with industry partners

## Organization

Date	Time	Room	Topic
18.10.2021	17:00-18:00	<a href="#">8102.EG.116</a> (Garching-Hochbrück)*	Initial Meeting – Project Proposals
Weekly meetings (on project team level)			
21.12.2021	10:30-16:30	<a href="#">8102.EG.116</a> (Garching-Hochbrück)*	Intermediate Presentations
Weekly meetings (on project team level)			
08.02.2022	09:30-16:30	<a href="#">8102.EG.116</a> (Garching-Hochbrück)*	Final Presentations

\* Subject to change. The meetings will be held onsite only if current corona regulations will allow it.

## General Information

- Only for Master's students
- Preferred admission for students who successfully participated in SEBA Master
- Solid programming skills required
- 48 students will be accepted
- 10 ECTS / 6 SWS
- Presentations are planned onsite
- Registration per Matching System and Survey below between 15<sup>th</sup> of July 2021 and 20<sup>th</sup> of July 2021
  - <https://matching.in.tum.de/>
  - <https://forms.gle/T25WvJfhE4PohnwE8>

## Further Information

- <https://www.matthes.in.tum.de/pages/18witnulbiwl6/SEBA-Lab-Course>
- Latest information on the course
- Additional literature for the lab course

## Examination

- Presentation of team results in two meetings
- Final application with the source code
- Retrospective slides deck
  - Key learnings by each team member
  - Contribution matrix



**Application**

- User-Centered Design
- Architecture Documentation
- Code Quality
- Team Work



**Presentation**

- Content
- Structure & Style
- Time Management
- Quality of the Answers

**For successful completion of the course, both examination modules  
have to be passed!**

Some of our industry partners from the past for external topics



# Visit Latest information on the course



<https://wwwmatthes.in.tum.de/pages/18witnulbiwl6/SEBA-Lab-Course>

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### SEBA Lab Course

Last modified by Oleksandra Klymenko Jun 30

**Attributes of this Course**

Acronym	SEBA Lab
Contact (organization)	Oleksandra Klymenko
ECTS	10
Exam	Oral
Language	English
Lecturer	Prof. Dr. Florian Matthes
Level	Master
Module No.	IN2106, 2129, 4077
Rhythm	Winter
Room	see description
SWS	6
Time	see description

Organizer	Oleksandra Klymenko	
Type	Lab Course	Edit
Maximum number of participants	48	

**News**

Preliminary Discussion: 07.07.2021 at 17:00-18:00 will take place online via Zoom.  
Kickoff: 18.10.2021 at 15:30-17:30 is planned to take place onsite\*.  
Intermediate Presentations: 21.12.2021 at 10:30-16:30 is planned to take place onsite\*.  
Final Presentations: 08.02.2022 at 09:30-16:30 is planned to take place onsite\*.  
Please fill out the following survey [link](#) so that we are able to create equally skilled teams.

**Contact**

For questions or any feedback on the course, please contact Oleksandra Klymenko.

**Registration**

Registration per Matching System [link](#) and Survey [link](#) between 15th of July 2021 and 20th of July 2021.  
Only for Master's students!

**Content and teaching goals**

The Master Lab Course Web Applications is an opportunity for students to work on interesting projects in the field of web applications. Students will collaborate in small teams and implement a web application over the course of the term. Each team is advised by one teaching assistant of the chair.

The goals of the lab course are:

- Deepen your knowledge from the SEBA Master course
- Get familiar with new technologies such as Blockchain, NoSQL databases, Cloud Computing, REST APIs, React.js, NLP, ML, etc.
- Get more practical experience in application development
- Collect teamwork experience and practice presentation skills in English
- Participate in current research projects at seba and collaborate with industry partners

**Schedule**

Date	Time	Place	Topic	Attendance
07.07.2021	17:00 - 18:00	Zoom <a href="#">link</a> (pwd: 587933)	Preliminary Discussion	voluntary
18.10.2021	15:30 - 17:30	8102.EG.116 <a href="#">link</a> (Garching-Hochbrück*)	Kickoff Meeting - Project Proposals	<b>mandatory</b>
Weekly meetings (on project team level)				
21.12.2021	10:30 - 16:30	8102.EG.116 <a href="#">link</a> (Garching-Hochbrück*)	Intermediate Presentations	<b>mandatory</b>
Weekly meetings (on project team level)				
08.02.2022	09:30 - 16:30	8102.EG.116 <a href="#">link</a> (Garching-Hochbrück*)	Final Presentations	<b>mandatory</b>

\* Subject to change. The meetings will be held onsite only if current corona regulations will allow it.

**References**

[Ox10] A. Osterwalder, Y. Pigneur: Business Model Generation: A Handbook for Visionaries, Game Changers, and Challengers, John Wiley & Sons, 2010

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[Kru05] S. Krup: Don't make me think! Web Usability: Das intuitive Web, New Riders Press, 2005

[Hoek06] R. Hoekman: Designing the Obvious: A Commonsense Approach to Web Application Design, New Riders Press, 2006

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[Jai04] S. Jablonksi, I. Petrov, C. Meier, U. Mayer: Guide to Web Application and Platform Architectures, Springer, 2004

# Summary

## Registration

15.07.2021-20.07.2021

- Matching System  
<https://matching.in.tum.de/>
- Survey  
<https://forms.gle/T25WvJfhE4PohnwE8>

## Up-to-date information

<https://www.matthes.in.tum.de/pages/18witnulbiwl6/SEBA-Lab-Course>

## Contact

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MSc.

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