

# iPraktikum

Summer Semester 2024 - Info Meeting



Matthias Linhuber



Maximilian Sölch



Prof. Stephan Krusche



# Why us?



**Real clients**



**Real projects**



**Real problems**



**Real deadlines**



**Real data**



**Real delivery**



**Real teamwork**



**Real impact**

This is a **challenging**, but **rewarding** course!

# Our Philosophy

*“Tell me and I will forget.  
Show me and I will remember.  
Involve me and I will understand.  
Step back and I will act.”*

(Chinese Proverb)

# In this course, you will...



## **... develop a system in a mobile context for the iOS platform**

This can include application servers, sensors, wearables, micro-controllers, etc.



## **... gain experience in an agile software project**

Plan, design, implement, test, deliver using Gitlab, Confluence, Slack, Testflight



## **... regularly deliver your apps to the customer and users**

Understand, prioritize, and implement feedback from customers and end users



## **... improve your soft skills and learn to talk about your work**

Hold presentations, tell a story about your project in an engaging live demo

# Our expectations



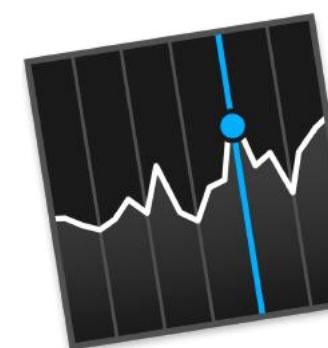
**Knowledge in OO programming languages and paradigms, Dev Tools**  
**Git, Swift, Java, C++, C#, ...**



**Basic skills in Modeling and Software Architecture**  
You understand e.g. UML Class and Component Diagrams



**Willingness to work in a team**  
Real team work as well as communication with the customer.



**High motivation and flexibility**  
Challenging tasks require attention and commitment beyond a normal lecture. This course is worth 10 ECTS, plan your time accordingly.

# Schedule



## **Intro Course: April 02 - April 09 (Homework due Apr 09)**

Intensive on-site course before the beginning of the Praktikum  
Introduction to Xcode, Swift, SwiftUI, git...

In-person  
attendance is  
mandatory. No  
excuses.



## **Kickoff: April 10, 5:00 pm**

All customers present their problem statements

Please make sure  
you can attend  
sessions full time  
(exception: repeat  
exams)



## **Design Review: May 29, 5:00 pm**

Intermediate presentation of all projects with live demos and a buffet



## **Client Acceptance Test: July 17, 5:00 pm**

Final presentations of all projects with live demos and a buffet

**DPM**

**DPM**

Matthias Linhuber Project Leader	Darius Augsburger	Keaton Nash	Krishna Mavani	Vladislavs Viktorovs	Tim Bodeit Customer
Benedikt Geisberger Coach	David Mang	Max Rosenblattl	Natalia Severynenko	Tilmann Walz Customer	

# iPraktikum SS 23

**Quartett**

**Quartett**

Markus Paulsen Project Leader	Aleksandra Topalova	Dominik Fuchs	Lukas Metten	Leon v. Tippelskirch Customer
Stefan Heun Coach	Caner Ciboglu	Gereon Elvers	Yoonseon Seong	Ishen Hasani Customer

**Serapion**

**Serapion**

Stephan Krusche Project Leader	Korbinian Weidinger Coach	Magnus Kühne	Jin Luo	Tim Bächle	Dominic Henze Customer
Zeynep İyigür Co-Project Leader	Alia Erfan	Daniel Cantzler	Patrycja Slotosch	Yassine Souissi	Palle Klewitz Customer

**msg**

**msg**

Maximilian Sölich Project Leader	Carlos Garzon	Inosensius Alvian	Marlon Bucciarelli	Pascal Altenkamp	Chantal Selim Customer
Arpen Matinyan Coach	Carolina Kawabata	Manuel Tamayo	Mohamed Aziz Talbi	Marvin Scheit Customer	

**SAP**

**SAP**

Matthias Linhuber Project Leader	Sophie Witt Coach	Chaehee Lee	Georg Habersack	Muhammed Enes Deniz	Nikolas Pietrek Customer
Robert Jandow Co-Project Leader	Anian Schleyer	Cornelius Weiss	João Paulo Caschera	Stephen Lukasewitz	Kristiyian Nachev Customer

**Program Management**

Stephan Krusche	Matthias Linhuber	Maximilian Sölich	Philipp Zagar

**adesso / BMW**

Stephan Krusche Project Leader	Julian Ostarek Coach	Dmitry Fadeev	Jingjing Yu	Onurcan Aydin	Thomas Frommann Customer
Valery Andraichuk Co-Project Leader	Berke Keser	Iheb Ghanmi	Mateus Messias Mendes	Valentin Böhm	Volodymyr Kolibaba Customer

**Prof. Plötz**

**Prof. Plötz**

Prof. Bernd Brügge Project Leader	Katjana Kosic Coach	Maria Pospelova	Kevin Marek Nöller	Hanseul Park	Prof. Werner Plötz Customer
Philip Zagar Co-Project Leader	Julian Kraus	Jorge Marin Ruiz	Salahuddin Sediqi		

**IABG**

**IABG**

Patrick Bassner Project Leader	Armin Stantzik Coach	Ahmet Ibrahim Senturk	Indri Cali	Yassin El Gezawi	Martin Glas Customer
Léon Friedmann Co-Project Leader	Agata Andrysia	Dennis Denk	Nicias Schümann	Sebastian Franz Customer	

**BSH**

**BSH**

Patrick Bassner Project Leader	Eylül Naz Can	Marc Beil	Simone Domenici	Vishaveet Ghora	Berkay Ogulcan Tural Customer
Ramona Eckert Coach	Jonas Stich	Philipp Nagy	Timur Krüger	Tamara Fiedler Customer	

**RBG**

**RBG**

Ruth Demmel Production	Andreas Jung Video	Felix Neumann Video	Martin Meir Audio
Vincent Picking Technical Admin	Robert Jandow Technical Admin	Magnus Kühne Technical Admin	Colin Wilk Technical Admin
Timor Morrien Technical Admin	Ignacio Garcia Technical Admin		

**Admins**

**ZEISS**

**ZEISS**

Maximilian Sölich Project Leader	Erik Traise Coach	Huiyu Chu	Leon Graeb	Yuanyuan Yin	Markus Ritter Customer
Anna Lottner Co-Project Leader	Dominik Michael Aulinger	Husein Jusic	Yiming Chen	Jonas Frenzel Customer	

Project Lead (PhD Student)



**Matthias Linhuber**  
Project Leader



**Darius Augsburger**



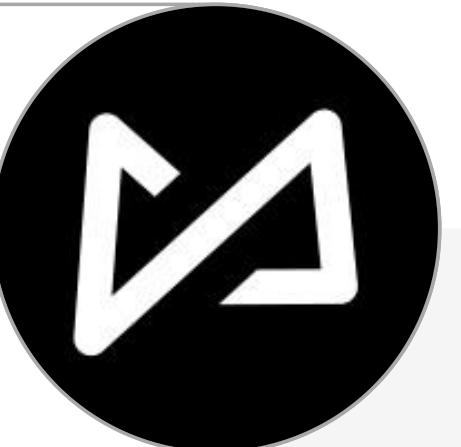
**Keaton Nash**



**Krishna Mavani**



**Vladislavs Viktorovs**



**DPM**



**Tim Bodeit**  
Customer



**Benedikt Geisberger**  
Coach



**David Mang**



**Max Rosenblattl**



**Nataliia Severynenko**



**Tilmann Walz**  
Customer

Team Coach

Developer (Potentially You 😊)

Customer

# Impressions



# Application

1

Express your intention by filling out form at [ase.cit.tum.de/ios](http://ase.cit.tum.de/ios)  
**Latest: Feb 14, 23:59 (Munich time)**

2

**Complete a small technical challenge on Artemis (self-register  
for the course *iPraktikum Technical Challenge (SS24)*)**  
**Latest: Feb 14, 23:59 (Munich time)**

3

Log in to the matching system of the Informatics department  
and make sure to give the iPraktikum your priority  
**Latest: Feb 14**

# Further Information

- Check our website: [ase.cit.tum.de/ios](http://ase.cit.tum.de/ios)
- Get an impression of the projects
  - Come to the **Client Acceptance Test** on the **8th of February, IHS1**
  - Talk to the participants and customers
  - Watch the recordings of previous terms [on our website](#)
- For all other questions write an email to [ios@in.tum.de](mailto:ios@in.tum.de)



Questions?

[ios@in.tum.de](mailto:ios@in.tum.de)