

iPraktikum

Summer Semester 2023 - Info Meeting



Matthias Linhuber



Maximilian Sölch



Philipp Zagar



Christoph Weinhuber



Prof. Stephan Krusche

Why us?



RReal clients

RReal problems

RReal data

RReal teamwork

RReal projects

RReal deadlines

RReal delivery

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 JIRA, Confluence, Bitbucket, Bamboo, Slack



... 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

Swift, Objective-C, Java, C++, C#, ...



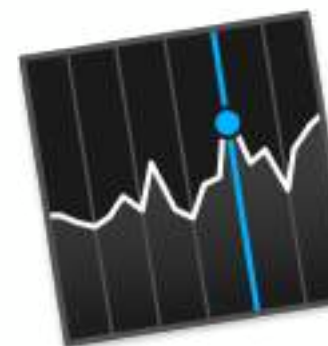
Basic skills in Modeling and Software Architecture

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.

iPraktikum Overview

Program Management

 **Lukas Alperowitz**
Program Manager
 **Dora Dzvonyar**
Program Manager
 **Bernd Bruegge**
Program Manager
Methodologist

Infrastructure

 **Helma Schneider**
Head of Technology
Administration
 **Franz Beilmaier**
Technical
Administration
 **Monika Markl**
Chair Secretary
 **Ruth Demmel**
Head of Movie Team



B/S/H/




 **Olaf Schumacher**
Adesso

 **Sacha Catelin**
Adesso

Project Management

 **Barbara Reichart**
Project Leader

 **Stefan Kofler**
Team Coach

Development Team

 **Annika Saken**

 **Matthias Holdorf**

 **Ghulam Nasir**

 **Jonas Tomasini**

 **Malte Bucksch**

 **Sarah Jungwirth**

 **Christoph Kracke**
BMW

Project Management

 **Stephan Krusche**
Project Leader

 **Florian Kistner**
Team Coach

Development Team

 **Fabian Warthenpfehl**

 **Stefan Reu**

 **Christian Eichhorn**

 **Daniel Nilsen**

 **Markus Jantunen**


 **Marla Narazani**

 **Patricia Vitoria Carrera**

 **Matthias Schaffer**
Bosch

 **Renata Soares**
Bosch

Project Management

 **Dr. Yang Li**
Project Leader

 **Stephan Rabanser**
Team Coach

Development Team

 **Ange Laure Temzeung Kouemo**

 **Ingo Glaser**

 **Samit Vaidya**

 **Agastya Fauzan Alfath**

 **Christian Dallago**

 **Michaela Pfister**

 **Shivguru Rao Bhimasena Visweswera**

 **Pavel Osipov**
B/S/H/

Project Management

 **Dora Dzvonyar**
Project Leader

 **Alexander Harlass**
Team Coach

Development Team

 **Ekaterina Sebina**

 **Dennis Nehrenheim**

 **Julian Zurmühl**

 **Alexander Maslew**

 **Belinda Zahra**

 **Fabian Manhardt**

 **Sami Amr Afifi**

 **Tomas Ruiz**

 **John Humbrecht**
Ignite Adaptive Sports


 **Alan Apt**
Ignite Adaptive Sports

 **Bernd Bruegge**
Global Project Liaison

Project Management

 **René Milzarek**
Project Leader

 **Sajjad Taheri**
Project Leader

 **Sebastian Stein**
Team Coach

 **Agnes Köhler**
Team Coach

Development Team

 **Robert Krämer**

 **Maximilian Reif**

 **Laurence Castagnoli**

 **Lukas Heinzmann**

 **Samy El Deib**

 **Philipp Heuer**

 **Aldijana Sakinovic**

 **Ding Liu**

 **Carmen Breyer**

 **Shpend Mahmuti**


 **Leon von Tippelskirch**
Quartett Mobile

Project Management

 **Sebastian Klepper**
Project Leader

 **Jan Philip Bernius**
Team Coach


Development Team

 **Kilian Käslin**

 **Arald Haveriku**


 **Jimmy Abu Al Denien**

 **Florian Heinz**

 **Florian Seppi**

 **Manuel Nonnenmacher**

 **Teodora Lata**

 **Thu Lao**

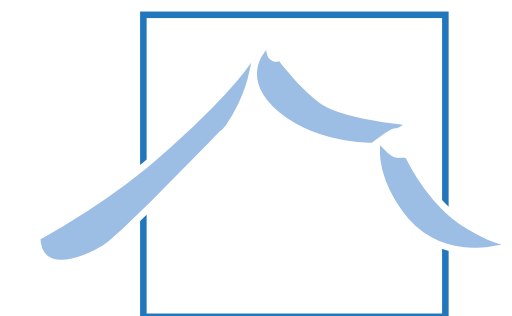
 **Lukas Alperowitz**
 **Dora Dzvonyar**
Coach Instructors

Cross-functional Teams

 **Dora Dzvonyar**
 **Florian Kistner**
 **Stephan Rabanser**
Modeling

 **Lukas Alperowitz**
 **Jan Philip Bernius**
 **Konstantin Kromer**
Release Management

 **Andreas Seitz**
 **Alexander Harlass**
 **Stefan Kofler**
Merge Management







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Quartett Mobile

 **Jens Pflüger**
Roche

 **Tobias Aigner**
Siemens CT

 **Dr. Asa MacWilliams**
Siemens CT

 **Dr. Stephan Verclas**
T-Systems

 **Dr. Raman Tandon**
WIWeB

Project Management

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 **René Milzarek**
Project Leader
 **Sajjad Taheri**
Project Leader

 **Sebastian Klepper**
Project Leader

 **Lukas Alperowitz**
Project Leader

 **Andreas Seitz**
Project Leader

 **Zardosht Hodaie**
Project Leader


 **Constantin Scheuermann**
Project Leader

 **Sebastian Stein**
Team Coach
 **Agnes Köhler**
Team Coach

 **Jan Philip Bernius**
Team Coach

 **Marius Schulz**
Team Coach

 **Alexander Meissner**
Team Coach

 **Cecil Wöbker**
Team Coach

 **Konstantin Kromer**
Team Coach

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Cross-functional Teams

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 **Kilian Käslin**

 **Thomas Breier**


 **Simon Rehwald**

 **Xiaoyu Guo**

 **Josef Seidl**

 **Dora Dzvonyar**
 **Florian Kistner**
 **Stephan Rabanser**
Modeling

 **Laurence Castagnoli**
 **Lukas Heinzmann**

 **Arald Haveriku**



 **Michael Fröhlich**

 **Ramakant Agrawal**

 **Daniel Gallenberger**


 **Dimitar Magurev**

 **Lukas Alperowitz**
 **Jan Philip Bernius**
 **Konstantin Kromer**
Release Management

 **Samy El Deib**
 **Philipp Heuer**




 **Jimmy Abu Al Denien**

 **Florian Dreier**

 **Madhukar Sollepura Prabhushankar**

 **Francisco Rubin**

 **Valeria Chernenko**

 **Andreas Seitz**
 **Alexander Harlass**
 **Stefan Kofler**
Merge Management

 **Aldijana Sakinovic**
 **Ding Liu**

 **Florian Heinz**

 **Gaurav Srivastava**

 **Lara Marie Reimer**

 **Christian Kiwitt**

 **Aly Saleh**

 **Carmen Breyer**
 **Shpend Mahmuti**


 **Florian Seppi**

 **Irina Camilleri**

 **Monika Varshney**

 **Lukas Steigerwald**

 **João Trindade**

 **Manuel Nonnenmacher**

 **Kirsten Rauffer**

 **Ning Wang**

 **Marcus Hott**

 **Richard Otto**


 **Teodora Lata**

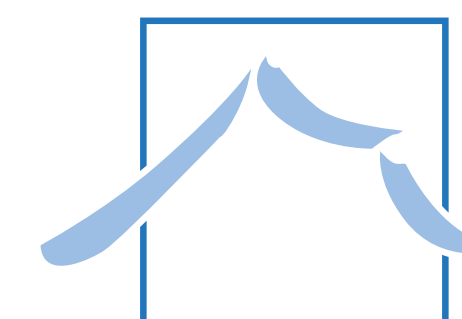
 **Tobias Piffrader**

 **Pedro Silva**

 **Selina Elsner**

 **Simon Zimmermann**

 **Thu Lao**



Schedule



Intro Course: Apr 11 - Apr 18 (Homework due Apr 18)

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

**In-person
attendance is
mandatory. No
excuses.**

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



Kickoff: April 19, 5:00 pm @ MI HS 1

All customers present their problem statements



Design Review: June 14, 5:00pm @ MI HS 1

Intermediate presentation of all projects with live demos and a buffet



Client Acceptance Test: July 19, 5:00pm @ MI HS 1

Final presentations of all projects with live demos and a buffet

Impressions



Application

1





Express your intention by filling out form at ios.ase.cit.tum.de and **complete a small technical challenge** on Artemis (self-register for the course *iPraktikum Technical Challenge (SS23)*)
Latest: February 14, 11:59 pm (Munich time)

iPraktikum Technical Challenge (SS23)
iPraktikum SS23 Technical Challenge

Exercises Lectures Statistics Refresh Filter (0) Oldest

Search by exercise name
Exercise name Search

Feb 12, 2023 - Feb 18, 2023 (Exercises: 4)

 Technical Challenge - Array Calculator	You have not started this exercise yet.
Start exercise Not released Easy	Due Date: in 21 days
 Technical Challenge - Bookstore	You have not started this exercise yet.
Start exercise Not released Easy	Due Date: in 21 days
 Technical Challenge - Developer	You have not started this exercise yet.
Start exercise Not released Easy	Due Date: in 21 days
 Technical Challenge - Extending the Array Calculator	You have not started this exercise yet.
Start exercise Not released Easy	Due Date: in 21 days

Application

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Express your intention by filling out form at ios.ase.cit.tum.de and **complete a small technical challenge** on Artemis
Latest: February 14, 11:59 pm (Munich time)

2

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

3

You can check yourself if you have been matched to the course docmatching.in.tum.de/index.php/schedule
From: February 23

Further Information

- Check our website: ipraktikum.in.tum.de/ios
- Get an impression of the projects
 - Come to the **Client Acceptance Test** on the **9th of February, Interim HS1**
 - 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



Questions?

ios@in.tum.de