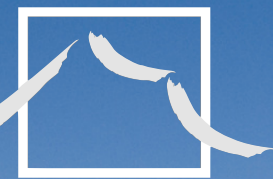


iPraktikum

Summer Semester 2020 - Info Meeting



Chair for Applied Software Engineering
Prof. Dr. Bernd Brügge



iPraktikum Summer 2020

In this course you develop a mobile application in the context of a larger system architecture. Depending on the project, you work with application servers, machine learning algorithms, smart sensors, intelligent clothing, wearables like the Apple Watch or micro-controllers.

You get to know the workflows, activities and tools of state-of-the-art agile software development from requirements engineering to system delivery. In particular, you learn Apple's programming language Swift, UI frameworks like UIKit and SwiftUI, and Server-Side Swift. In addition, you will gain hands-on knowledge in the fields of system modeling, usability engineering and continuous integration and delivery.

For this course, industry partners provide real problem statements. You get real team and project experience while working tightly together with a real client towards a real deadline.



Info Meeting

January 30, 4:30 pm
Interim Lecture Hall 1



Registration

ase.in.tum.de/ios



Preparation

Intro Course: April 14 - 22
Kickoff: April 22, 4:30 pm



Presentations

Design Review: June 17
Client Acceptance Test: July 22



Why us?



Real clients

Real problems

Real data

Real teamwork

Real projects

Real deadlines

Real delivery

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

In this course, you will...



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

Your project can also include application servers, sensors, wearables, micro-controllers, etc.



... **gain experience in all parts of an agile software project**

Planning, Design, Implementation, Testing, Delivery

Tooling: JIRA, Confluence, Bitbucket Server, Bamboo, Slack



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

Learn about Continuous Delivery and how to understand, prioritize, and implement feedback from customers and end users






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

Hold presentations in front of all participants and customers





Learn how to tell a story about your project and do an engaging live demo

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

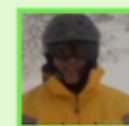



 Olaf Schumacher
Adesso

 Christoph Kracke
BMW

 Matthias Schaffer
Bosch

 Pavel Osipov
B/S/H/

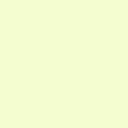
 John Humbrecht
Ignite Adaptive Sports
  Alan Apt
Ignite Adaptive Sports


 Leon von Tippelskirch
Quartett Mobile

 Sacha Catelin
Adesso

 Stephan Krusche
Project Leader

 Renata Soares
Bosch


 Dora Dzvonyar
Project Leader

 Bernd Bruegge
Global Project Liaison


Project Management

 Barbara Reichart
Project Leader

Project Management

 Stephan Krusche
Project Leader

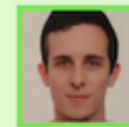
Project Management

 Dr. Yang Li
Project Leader

Project Management

 Dora Dzvonyar
Project Leader

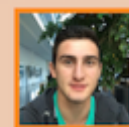
Project Management


 René Milzarek
Project Leader

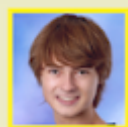
 Sajjad Taheri
Project Leader

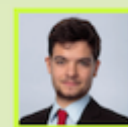
Project Management

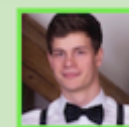
 Sebastian Klepper
Project Leader


 Stefan Kofler
Team Coach

 Florian Kistner
Team Coach


 Stephan Rabanser
Team Coach


 Alexander Harlass
Team Coach

 Sebastian Stein
Team Coach

 Agnes Köhler
Team Coach

 Jan Philip Bernius
Team Coach

 Lukas Alperowitz

 Dora Dzvonyar

Coach Instructors


Development Team

 Annika Saken

Development Team

 Fabian Warthenpfehl

Development Team

 Ange Laure Temzeung Kouemo

Development Team


 Ekaterina Sebina

Development Team


 Robert Krämer


 Maximilian Reif

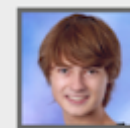
Development Team

 Kilian Käslin

Cross-functional Teams

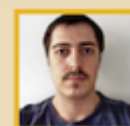
 Dora Dzvonyar


 Florian Kistner

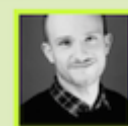
 Stephan Rabanser


Modeling

 Matthias Holdorf

 Stefan Reu

 Ingo Glaser

 Dennis Nehrenheim


 Laurence Castagnoli

 Lukas Heinzmann

 Arald Haveriku

 Lukas Alperowitz

 Jan Philip Bernius

 Konstantin Kromer

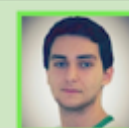
Release Management

 Ghulam Nasir

 Christian Eichhorn


 Samit Vaidya

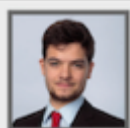
 Julian Zurmühl

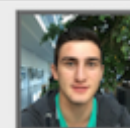
 Samy El Deib

 Philipp Heuer

 Jimmy Abu Al Denien

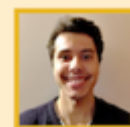
 Andreas Seitz

 Alexander Harlass

 Stefan Kofler

Merge Management


 Jonas Tomasini


 Daniel Nilsen

 Agastya Fauzan Alfath

 Alexander Maslew

 Aldijana Sakinovic

 Ding Liu


 Florian Heinz

 Malte Bucksch


 Markus Jantunen

 Christian Dallago

 Belinda Zahra

 Carmen Breyer

 Shpend Mahmuti

 Florian Seppi

 Sarah Jungwirth

 Marla Narazani

 Michaela Pfister

 Fabian Manhardt

 Sami Amr Afifi


 Shpend Mahmuti

 Manuel Nonnenmacher

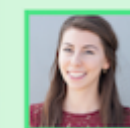
 Patricia Vitoria Carrera


 Shivguru Rao Bhimasena Visweswera

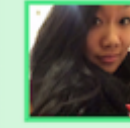
 Sami Amr Afifi

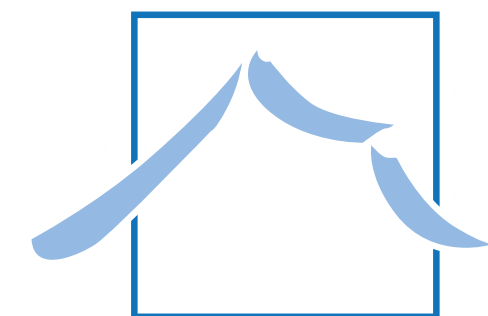
 Sami Amr Afifi

 Shpend Mahmuti

 Teodora Lata




 Tomas Ruiz

 Thu Lao








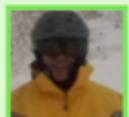




iPraktikum Overview




Program Management




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




Infrastructure





 **Helma Schneider**
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Administration
 **Franz Beilmaier**
Technical
Administration
 **Monika Markl**
Chair Secretary
 **Ruth Demmel**
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 **John Humbrecht**
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Global Project Liaison
Project Management
 **René Milzarek**
Project Leader
 **Sajjad Taheri**
Project Leader

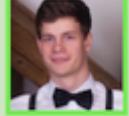


 **Leon von Tippelskirch**
Quartett Mobile
Project Management
 **Sebastian Klepper**
Project Leader



 **Jens Pflüger**
Roche
Project Management
 **Lukas Alperowitz**
Project Leader



 **Tobias Aigner**
Siemens CT
Project Management
 **Andreas Seitz**
Project Leader



 **Dr. Asa MacWilliams**
Siemens CT
 **Steffen Klepke**
Siemens CT
Project Management
 **Zardosht Hodaie**
Project Leader



 **Dr. Stephan Verclas**
T-Systems
 **Dr. Raman Tandon**
WIWeB
Project Management
 **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

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

Development Team

Development Team



Development Team

Development Team


Development Team


Development Team

Cross-functional Teams


 **Robert Krämer**
 **Maximilian Reif**




 **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**

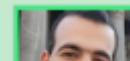
 **Ramakant Agrawal**

 **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**


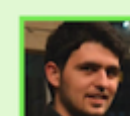
 **Florian Heinz**

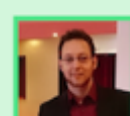
 **Gaurav Srivastava**


 **Lara Marie Reimer**


 **Christian Kiwitt**

 **Aly Saleh**

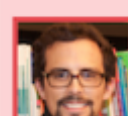
 **Carmen Breyer**
 **Shpend Mahmuti**

 **Florian Seppi**

 **Irina Camilleri**

 **Monika Varshney**

 **Lukas Steigerwald**

 **João Trindade**

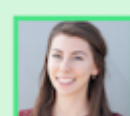
 **Manuel Nonnenmacher**

 **Kirsten Rauffer**

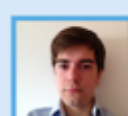
 **Ning Wang**

 **Marcus Hott**

 **Richard Otto**


 **Teodora Lata**

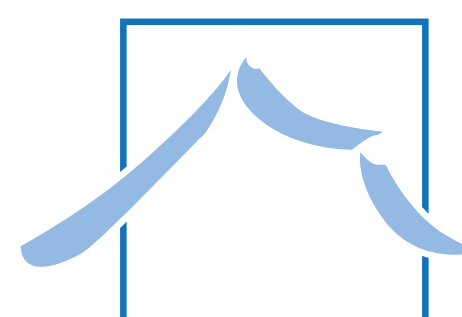
 **Tobias Piffrader**

 **Pedro Silva**

 **Selina Elsner**

 **Simon Zimmermann**

 **Thu Lao**



Our expectations



Knowledge in OO programming languages and paradigms

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



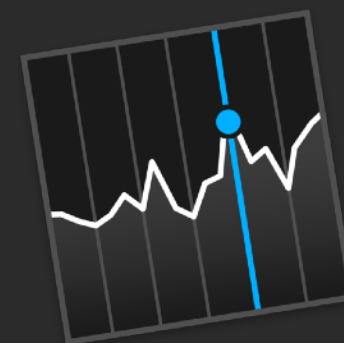
Basic skills in Modeling and Software Architecture

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.

Important Dates



Final Presentations of this semester: February 6, 4:30pm @ Interim HS1

Client Acceptance Test of all projects with live demo and buffet

We also have a livestream: <https://livestream.com/ls1intum/1920CAT>



Intro Course: April 14-22 (Homework due April 23)

Intensive course before the beginning of the Praktikum

Introduction to Xcode, Swift, git...

Attendance is mandatory. No excuses.

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



Kickoff: April 22, 4:30 pm @ MI HS1

All customers present their problems

We plan for 10-12 projects with 6-8 team members

Application

1

Express your intention by filling out the form at www1.in.tum.de/ios
Latest: February 12

2

Log in to the matching system of the Informatics department and make sure to give the iPraktikum your priority
Between: February 7 - 12

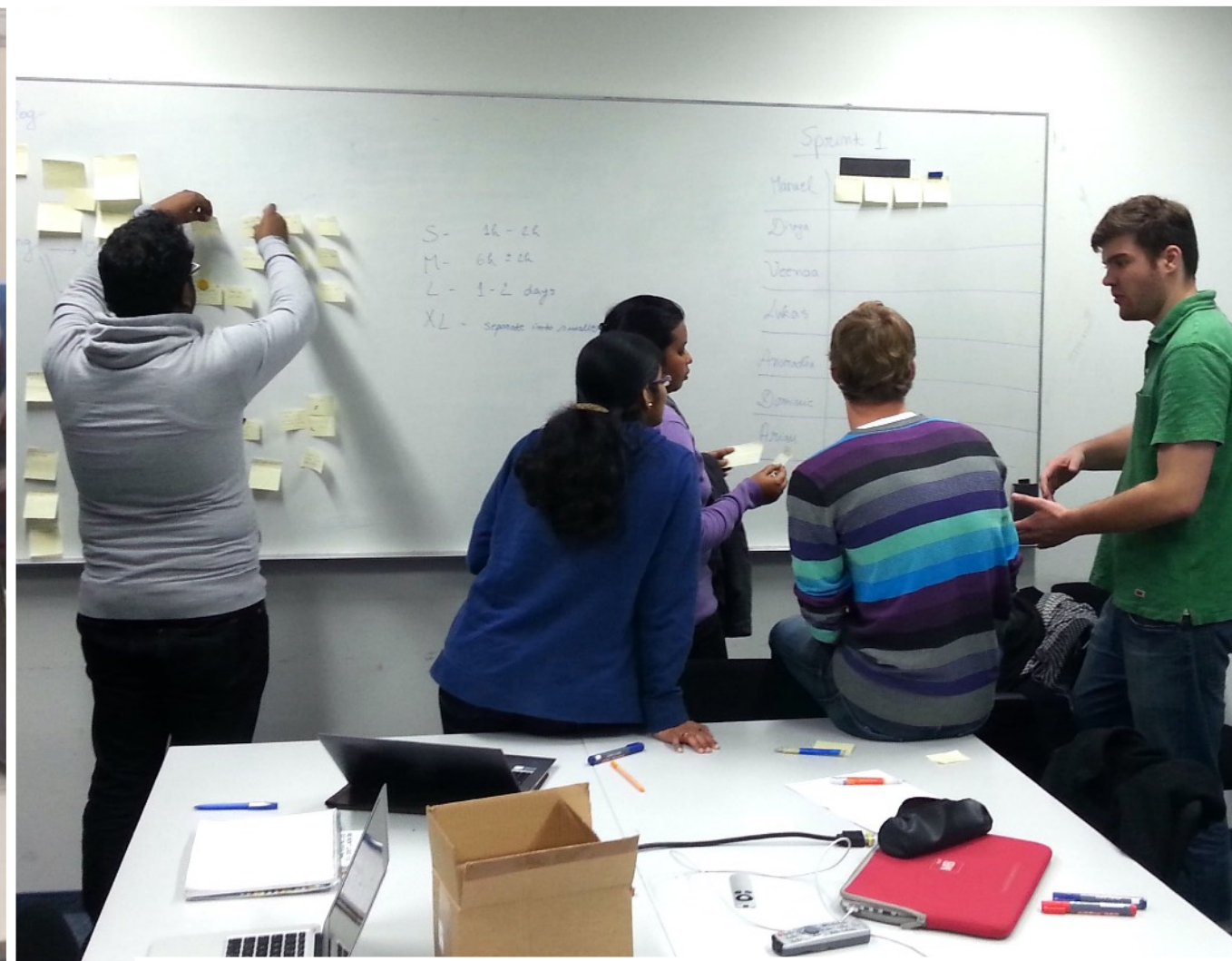
3

You can check yourself if you have been matched to the course
From: February 20

Impressions



Impressions



Further Information

Check our web site www1.in.tum.de/ios

Get an impression of the projects

- Come to the Client Acceptance test
- Talk to the participants and customers at the buffet afterwards
- Watch the recordings of previous terms: e.g. www1.in.tum.de/ios18

For all other questions write an email to ios@in.tum.de

A large group of people, mostly young adults, are gathered in a modern, brightly lit indoor space, possibly a conference or event. They are arranged in many rows, looking towards the camera. Some are holding signs, including one that says "ZEISS" and another that says "KitchenPaul". The background shows long wooden tables and benches where other people are sitting. A large white speech bubble with a black outline is positioned in the upper right quadrant, containing the word "Questions?" in a bold, black, sans-serif font.

Questions?