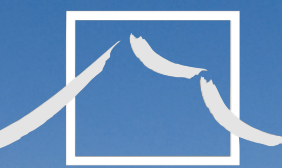


Info Meeting



Chair for Applied Software Engineering
Prof. Bernd Brügge, Ph. D.

iPraktikum Winter 2018/19

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 such as the Raspberry Pi or the Intel Curie.



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 and gain hands-on knowledge in the fields of system modeling, usability engineering and continuous 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
June 28, 4:00pm
Interims Lecture Hall 1



Registration
www1.in.tum.de/ios



Important Dates
Intro Course: October 8-12
Kickoff: October 18, 4:30 pm



- ✓ Real clients
- ✓ Real problems
- ✓ Real data
- ✓ Real teamwork
- ✓ Real projects
- ✓ Real deadlines
- ✓ Real delivery

 #iostum
@Is1intum

Why us?

This is a challenging, but rewarding course! We have:

RReal clients

RReal problems

RReal data

RReal teamwork

RReal projects

RReal deadlines

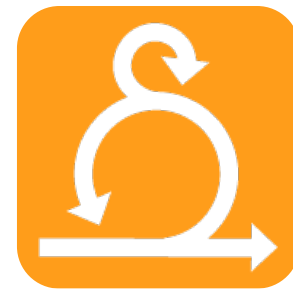
RReal delivery



In this course you ...



- ... develop a system in a mobile context for the iOS platform
 - In the context of a larger system architecture
 - Your project can also include: application servers, sensors, wearables, micro-controllers, ...



- ... gain experience in all phases of an agile software development project
 - Planning, Design, Implementation, Testing, Delivery
 - Tooling: JIRA, Confluence, Bitbucket Server, Bamboo, Slack ...



- ... regularly deliver your apps to the customer
 - Continuous Delivery
 - Gather feedback from your customer and end users






- ... improve your soft skills
 - Presentations for all participants and your customer
 - Software Cinema and Software Theater: learn how to tell a story about your project





Your role as a coach









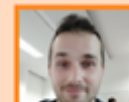










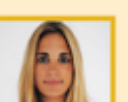









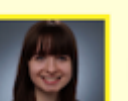







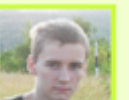

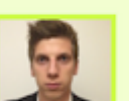


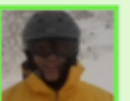









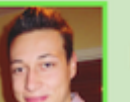





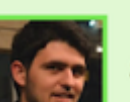





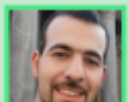














Program Management

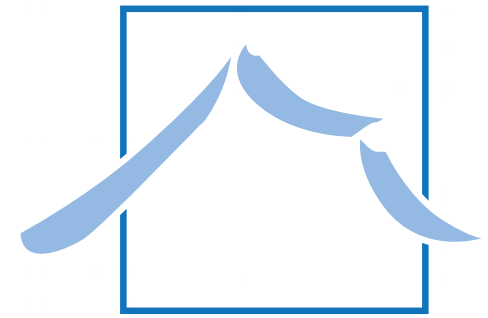
Infrastructure

Your role as a coach

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

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

adesso		BMW		BOSCH		B/S/H/		IGNITE Adaptive Sports		Quartett mobile		Coach Instructors			
<p>Project Management</p> <p> Olaf Schumacher Adesso</p> <p> Sacha Catelin Adesso</p> <p> Barbara Reichart Project Leader</p> <p> Stefan Kofler Team Coach</p> <p>Development Team</p> <p> Annika Saken</p> <p> Matthias Holdorf</p> <p> Ghulam Nasir</p> <p> Jonas Tomasini</p> <p> Malte Bucksch</p> <p> Sarah Jungwirth</p>		<p>Project Management</p> <p> Christoph Kracke BMW</p> <p> Stephan Krusche Project Leader</p> <p> Florian Kistner Team Coach</p> <p>Development Team</p> <p> Fabian Warthenpfehl</p> <p> Stefan Reu</p> <p> Christian Eichhorn</p> <p> Daniel Nilsen</p> <p> Markus Jantunen</p> <p> Marla Narazani</p> <p> Patricia Vitoria Carrera</p>		<p>Project Management</p> <p> Matthias Schaffer Bosch</p> <p> Renata Soares Bosch</p> <p> Dr. Yang Li Project Leader</p> <p> Stephan Rabanser Team Coach</p> <p>Development Team</p> <p> Ange Laure Temzeung Kouemo</p> <p> Ingo Glaser</p> <p> Samit Vaidya</p> <p> Agastya Fauzan Alfath</p> <p> Christian Dallago</p> <p> Michaela Pfister</p> <p> Shivguru Rao Bhimasena Visweswera</p>		<p>Project Management</p> <p> Pavel Osipov B/S/H/</p> <p> Dora Dzvonyar Project Leader</p> <p> Alexander Harlass Team Coach</p> <p>Development Team</p> <p> Ekaterina Sebina</p> <p> Dennis Nehrenheim</p> <p> Julian Zurmühl</p> <p> Alexander Maslew</p> <p> Belinda Zahra</p> <p> Fabian Manhardt</p> <p> Sami Amr Afifi</p> <p> Tomas Ruiz</p>		<p>Project Management</p> <p> John Humbrecht Ignite Adaptive Sports</p> <p> Alan Apt Ignite Adaptive Sports</p> <p> Bernd Bruegge Global Project Liaison</p> <p>Project Management</p> <p> René Milzarek Project Leader</p> <p> Sajjad Taheri Project Leader</p> <p>Team Coach</p> <p> Sebastian Stein Team Coach</p> <p> Agnes Köhler Team Coach</p> <p>Development Team</p> <p> Robert Krämer</p> <p> Maximilian Reif</p> <p> Laurence Castagnoli</p> <p> Lukas Heinzmann</p> <p> Samy El Deib</p> <p> Philipp Heuer</p> <p> Aldijana Sakinovic</p> <p> Ding Liu</p> <p> Carmen Breyer</p> <p> Shpend Mahmuti</p>		<p>Project Management</p> <p> Leon von Tippelskirch Quartett Mobile</p> <p>Project Management</p> <p> Sebastian Klepper Project Leader</p> <p>Team Coach</p> <p> Jan Philip Bernius Team Coach</p> <p>Development Team</p> <p> Kilian Käslin</p> <p> Arald Haveriku</p> <p> Jimmy Abu Al Denien</p> <p> Florian Heinz</p> <p> Florian Seppi</p> <p> Manuel Nonnenmacher</p> <p> Teodora Lata</p> <p> Thu Lao</p>		<p>Modeling</p> <p> Dora Dzvonyar  Florian Kistner  Stephan Rabanser</p> <p>Release Management</p> <p> Lukas Alperowitz  Jan Philip Bernius  Konstantin Kromer</p> <p>Merge Management</p> <p> Andreas Seitz  Alexander Harlass  Stefan Kofler</p>			



Your role as a coach

Program Management

Lukas Alperowitz
Program Manager

Dora Dzvonyar
Program Manager

Bernd Bruegge
Program Manager
Methodologist

Infrastructure

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Head of Technology
Administration

Franz Beilmaier
Technical
Administration

Monika Markl
Chair Secretary

Ruth Demmel
Head of Movie Team

IGNITE Adaptive Sports
AT FLÖHRA MOUNTAIN RESORT

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

Quartett mobile

Leon von Tippelskirch
Quartett Mobile

Project Management

Sebastian Klepper
Project Leader

Roche

Jens Pflüger
Roche

Project Management

Lukas Alperowitz
Project Leader

SIEMENS

Tobias Aigner
Siemens CT

Project Management

Andreas Seitz
Project Leader

SIEMENS

Dr. Asa MacWilliams
Siemens CT

Steffen Klepke
Siemens CT

Project Management

Zardosht Hodaie
Project Leader

T-Systems

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
Prabhu Shankar

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

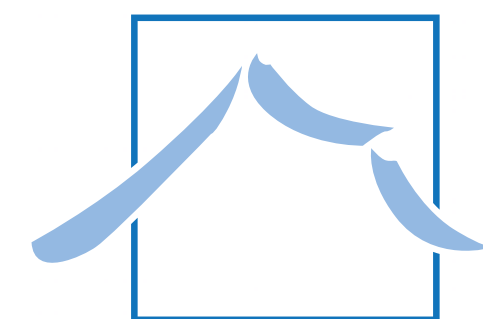
Tobias Piffrader

Pedro Silva

Selina Elsner

Simon Zimmermann

Thu Lao



Our expectations



Knowledge in object-oriented programming languages and paradigms (such as Objective-C, Swift, Java, C++, C#,)



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



Team player abilities
Our projects require real team work as well as communication with the customer.



High motivation
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: July 12, 4:30pm, Interims 1

- Client Acceptance Test of all projects with live demo and buffet afterwards
- We also have a livestream: <https://livestream.com/lis1intum/18CAT>



Intro Course: October 8-17 (Homework due October 17)

- 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: October 18, 4:30 pm, Interims Lecture Hall 2

- All customers present their problems
- Planned: ~10 projects with 6-9 team members

Application

1

Express your intention by filling out the form at www1.in.tum.de/ios
Due: **July 04**

2

Log in to the matching system of the Informatics department and make sure to give the iPraktikum your priority
Between: **June 29 - July 04**

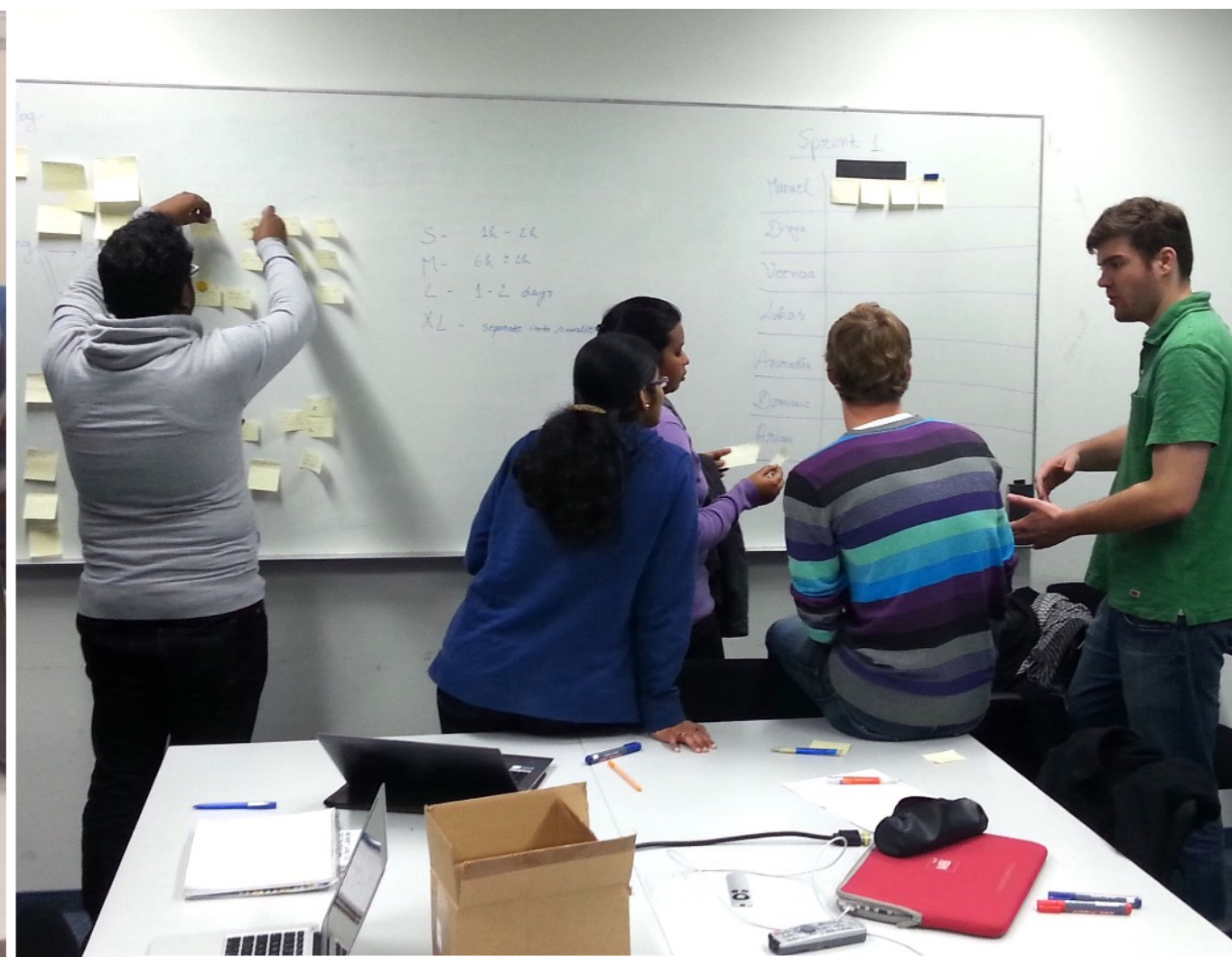
3

You can check yourself if you have been matched to the course
From: **July 12**

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/ios17

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

Questions?

