

iPraktikum Winter 2016/17

Info Meeting



iPraktikum Winter 2016/17

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, smart sensors such as iBeacons, intelligent clothing, wearables like the Apple Watch or micro-controllers such as the Raspberry Pi or the Intel Edison.



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 new 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 Meetings

June 23, 4:00 pm
or June 30, 4:00 pm
Interims Lecture Hall 1



Registration

www1.in.tum.de/ios



Kickoff Meeting

October 20, 2016



- ✓ 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

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



Our expectations



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



Skills in Modeling

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. You cannot solve this alone!



High motivation

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

In this course you ...



... gain experience in all phases of an agile software development project

- Planning, Design, Implementation, Testing, Delivery
- Tooling: JIRA, Confluence, Bitbucket, Bamboo, HockeyApp ...



... develop an mobile iOS application

- In the context of a larger system architecture
- Your project can also include: application servers, sensors, wearables, micro-controllers, ...



... 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 you “sell” your project

Dates



Final Presentations Summer Semester: July 14, 4:30 pm, Interim 1

- Client Acceptance Test of all projects with live demo and buffet afterwards
- Join us or watch the live stream <http://www1.in.tum.de/ios16cat>



Intro Courses: October 10-14

- 5-day course before the beginning of the Praktikum
- Introduction to Xcode, Swift, Git...

Attendance is mandatory. No excuses. If you know that your dog will be sick in october: Please apply next semester!



Kickoff: October 20, 4:30 pm, Interims Lecture Hall 2

- All customers present their problems
- Planned: 10-12 projects with 7-8 team members




Course Structure

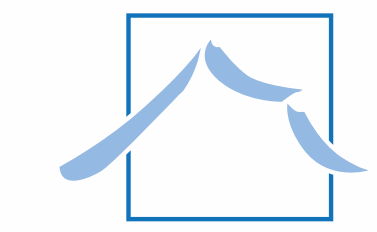
Program Management

 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

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



Course Structure

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

IGNITE Adaptive Sports

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

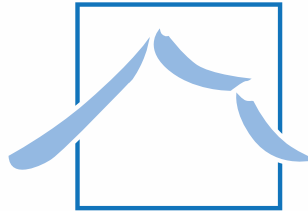
T-Systems

Dr. Stephan Verclas
T-Systems

Dr. Raman Tandon
WIWeB

Project Management

Constantin Scheuermann
Project Leader



Coach Instructors

Lukas Alperowitz

Dora Dzvonyar

Team Coach

Sebastian Stein
Team Coach

Agnes Köhler
Team Coach

Team Coach

Jan Philip Bernius
Team Coach

Team Coach

Marius Schulz
Team Coach

Team Coach

Alexander Meissner
Team Coach

Team Coach

Cecil Wöbker
Team Coach

Team Coach

Konstantin Kromer
Team Coach

Cross-functional Teams

Development Team

Development Team

Development Team

Development Team

Development Team

Development Team

Modeling

Dora Dzvonyar

Florian Kistner

Stephan Rabanser

Development Team

Robert Krämer

Maximilian Reif

Development Team

Kilian Käslin

Development Team

Thomas Breier

Development Team

Simon Rehwald

Development Team

Xiaoyu Guo

Development Team

Josef Seidl

Release Management

Lukas Alperowitz

Jan Philip Bernius

Konstantin Kromer

Development Team

Laurence Castagnoli

Lukas Heinzmann

Development Team

Arald Haveriku

Development Team

Michael Fröhlich

Development Team

Ramakant Agrawal

Development Team

Daniel Gallenberger

Development Team

Dimitar Magurev

Merge Management

Andreas Seitz

Alexander Harlass

Stefan Kofler

Development Team

Samy El Deib

Philipp Heuer

Development Team

Jimmy Abu Al Denien

Development Team

Florian Dreier

Development Team

Madhukar Sollepura Prabhu Shankar

Development Team

Francisco Rubin

Development Team

Valeria Chernenko

Development Team

Aldijana Sakinovic

Ding Liu

Development Team

Florian Heinz

Development Team

Gaurav Srivastava

Development Team

Lara Marie Reimer

Development Team

Christian Kiwitt

Development Team

Aly Saleh

Development Team

Carmen Breyer

Shpend Mahmuti

Development Team

Florian Seppi

Development Team

Irina Camilleri

Development Team

Monika Varshney

Development Team

Lukas Steigerwald

Development Team

João Trindade

Development Team

Manuel Nonnenmacher

Development Team

Kirsten Raufer

Development Team

Ning Wang

Development Team

Marcus Hott

Development Team

Richard Otto

Development Team

Teodora Lata

Development Team

Tobias Piffrader

Development Team

Pedro Silva

Development Team

Selina Elsner

Development Team

Simon Zimmermann

Development Team

Thu Lao

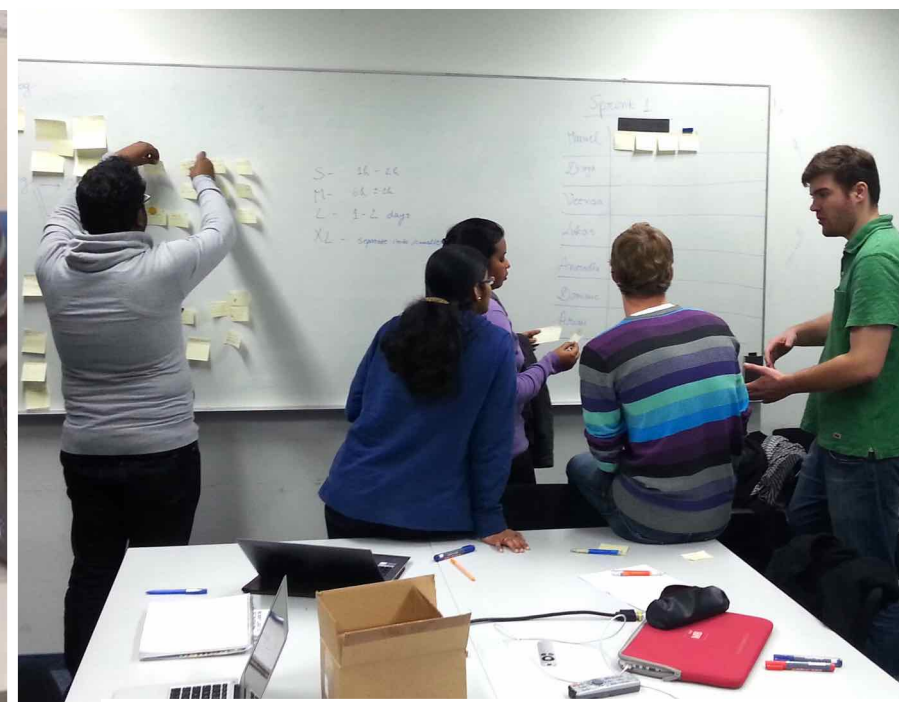
Application

- 1 Express your intention by filling out the form at www1.in.tum.de/ios
Due: **July 6**
- 2 Log in to the [matching system](#) of the Informatics department and make sure to give the iPraktikum your priority
Between: **July 1 - July 6**
- 3 We inform you about your participation
Latest: **July 16**

Impressions



Impressions



Further information

Check our web site <http://www1.in.tum.de/ios>

Get an impression of the projects

- Come to Client Acceptance Test: 14 July, 4:30pm, Interims Lecture Hall 1
- Talk to the participants and customers at the buffet afterwards
- Watch the recordings of previous terms: e.g. www1.in.tum.de/ios1516

For all other questions write an email to [**ios@in.tum.de**](mailto:ios@in.tum.de)