

iOS Praktikum WS15/16

July 9, 2015

Info Meeting



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



iOS Praktikum WS15/16



Course Goal

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 background, tools and skills required to develop these applications. In particular, you learn Apple's new programming language Swift and key concepts of modeling, usability engineering and continuous delivery.

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

Info Meeting
July 9, 4:15 pm s.t.
Interims Lecture Hall 1

Kickoff Meeting
October 15, 5:30 pm s.t.
Lecture Hall 1

Registration
www1.in.tum.de/ios



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



Contact: Lukas Alperowitz (01.07.55, ios@in.tum.de)

Why should you attend?

This is a challenging course!

We have

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



What we expect from you



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



Abilities in UML-Modeling

You understand e.g. Deployment Diagrams and Use Case Diagrams



Team player abilities

Our projects are demanding and require real team work as well as communication with the customer



High motivation

Challenging tasks require attention and commitment beyond a normal lecture

During the course you ...



- ... gain experience in all phases of an agile software development project
 - Analysis, Design, Implementation, Testing, Delivery
 - State of the art tools: JIRA, Confluence, Bamboo, Stash, HockeyApp, ...



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



- ... deliver the application 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

Important Dates



Customer Acceptance Test Summer Term: July, 16 - 4 pm Interim 1

- Final presentations of all projects with live demo and buffet afterwards
- Join us or watch the live stream <http://www1.in.tum.de/ios15cat>



Intro Courses: October 5-16 (preliminary)

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

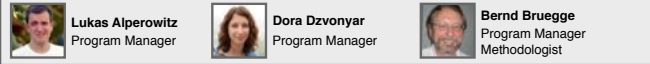


Kickoff: October 15, 4 p.m., Lecture Hall 1

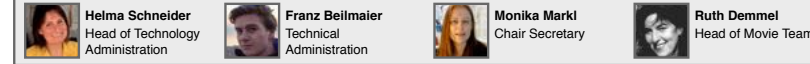
- Problem statement presentations by the customers
- Planned: 10-12 projects with 7-8 team members

iOS Praktikum 2015

Program Management



Infrastructure



Allianz	T-Systems	wirecard	Audi	BMW	BOKOWSKY & LAYMANN	BR	SIEMENS	Lufthansa	NTT DATA	SIEMENS	Coach Instructors				
Project Management Dr. Andrea Rohde Karl Schriek Dr. Pouya Tafti Bernd Bruegge	Project Management Dr. Stephan Verclas Prof. Dr. Birgit Vogel-Heuser Thomas Kirchner Constantin Scheuermann	Project Management Kaloyan Enimanev Sreelekha Sankar Sunniva Darcy Nitesh Narayan	Project Management Jonas Reimers Jörg Flerlage Stefan Nosović	Project Management Vitus Holzner Florian Pitschmann Stephan Krusche	Project Management Markus Bokowsky Amel Mahmuzic Zardosht Hodaie	Project Management Mustafa Isik Martin Wagner	Project Management Prof. Dr. Monika Sturm Markus Sauer Constantin Scheuermann Andreas Seitz	Project Management Johannes Hansen Tobias Mohr Lukas Alperowitz	Project Management Frank von Eitzen Dr. Yang Li	Project Management Dr. Asa MacWilliams Steffen Klepke Zardosht Hodaie	Lukas Alperowitz	Dora Dzvoniyar	Andreas Seitz		
Development Team	Development Team	Development Team	Development Team	Development Team	Development Team	Development Team	Development Team	Development Team	Development Team	Development Team	Modeling				
Ana Petrovska	Leonardo Serra	Jon Tingvold	Spyridon Chalikias	Maximilian Frei	Lewon Simonian	Daniel Soller	Yuanrui Li	Jonas Zitzelsberger	Karl Mattes	ChenYang Chen	Dora Dzvoniyar	Raoul Friedrich	Dominic Giebert	Maximilian Schramme	
Release Management	Release Management	Release Management	Release Management	Release Management	Release Management	Release Management	Release Management	Release Management	Release Management	Release Management	Architecture				
André Kohn	Alexander Harlass	Maximilian Flis	Dmitry Zeldin	Oriana Baldizan	Anna Kolpakova	Karim Alweheshy	Jan Wasgint	Julian Geistbeck	Joan Perez Guerrero	Mathias Quintero	Lukas Alperowitz	Christoph Graumann	René Mitzarek	Dominique d'Argent	
Simon Rummert	Johannes Bachhuber	Daniel Gruber	Luc Gaasch	Ibrahim Al-Khayat	Michael Kratzer	Frank Hermann	Ann Katrin Gibtnr	Florian Kistner	Manuel Schultheiss	Nikolaos Tzioras	Andreas Seitz	David Frey	Florian Fittschen	Philip Kluz	
Ilya Migal	Galina Volynets	Katharina Bui	Apostolos Diamantis	Amr Arafat	Hermann Groz	Alona Kharchenko	Alihan Livdumlu	Frederic Furtmeier	Agnes Köhler	Adnan Makhani					
Imran Badshah	Konstantin Kromer	Marten Schwarzmann	Astrid Berchtold	Benedikt Gesele	Pascal Philipp	Arsatius Regler	Bastian Rodehüser	Katharina Schneeweiss	Ahmed Wadi	Andrada Stan					
Lukas Sandmeir	Sri Vishnu Totakura	Michaela Tiefbler	Benjamin Strobel	Daniel Göhlen	Uygar Tarakci	Thomas Guenzel	Chrysa Papadaki	Marcus Höfer	Henning Helmbrecht	Cecil Wöbker					
Patrick Nieves	Ulrike Niemann	Torben Teepe	Duc Huy Bui	Mohamed Ibrahim	Volker Bischoff		Hoang Yen Nguyen	Marie Weintraud	Hesham Ghandour	Dominik Drexler					
Sirma Gjorgievska		Zolboo Ochirsukh							Julia Ludmann	Hanlin Liang					

Registration process

- 1** Express your intention by filling out the survey on www1.in.tum.de/ios
Due: **July 15**
- 2** Login to the [matching system of the informatics department](#) and make sure to give the iOS Praktikum your highest priority
Between: **July 10 - July 15**
- 3** We inform you about your participation
Due: **July 23**

Further information

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

Whats possible in three months?

- Watch the presentations of the Client Acceptance Test next week
- Talk to the participants at the buffet afterwards

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