

# iPraktikum Summer 2017

## Info Meeting

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



## iPraktikum Summer 2017

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 Meeting**  
February 2, 4:00pm  
Interims Lecture Hall 1

 **Registration**  
[www1.in.tum.de/ios](http://www1.in.tum.de/ios)

 **Kickoff Meeting**  
April 27, 4:30 pm  
Interims Lecture Hall 1



 only genuine  
7RS  
with the

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

 #iostum  
@is1intum

 ZD.B ZENTRALE  
DIENTLEISTUNG  
BAYERN **Contact:** Cora Devonyar (01.07.59, [ios@in.tum.de](mailto:ios@in.tum.de)) 

# 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 Server, Bamboo, Slack ...



... 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: right after this meeting!

- Client Acceptance Test of all projects with live demo and buffet afterwards
- Join us or watch the livestream at <http://www1.in.tum.de/ios1617cat>



## Intro Courses: April 19-25

- Intensive 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 at that time: Please apply next semester!



## Kickoff: April 27, 4:30 pm, Interims Lecture Hall 1

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



# Course Structure

**Program Management**

Lukas Aporowitz  
Program Manager

Dora Dzvonyar  
Program Manager

Bernd Bruegge  
Program Manager  
Methodologist

**Infrastructure**

Helma Schneider  
Head of Technology  
Administration

Franz Beilmaler  
Technical  
Administration

Monika Markl  
Chair Secretary

Ruth Demmel  
Head of Movie Team

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

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Administration

Franz Beilmaler  
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 Aligner  
Siemens CT

**Project Management**

Andreas Seltz  
Project Leader

**SIEMENS**

Dr. Asa MacWilliams  
Siemens CT

Steffen Klepke  
Siemens CT

**Project Management**

Zardosht Hodsie  
Project Leader

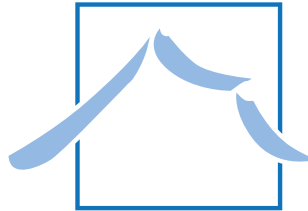
**T-Systems**

Dr. Stephan Verclas  
T-Systems

Dr. Raman Tandon  
WIWiB

**Project Management**

Constantin Scheuermann  
Project Leader



**Team Coach**

Sebastian Stein  
Team Coach

Agnes Köhler  
Team Coach

**Team Coach**

Jan Phillip 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

**Coach Instructors**

Lukas Alperowitz

Dora Dzvonyar

**Development Team**

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**Cross-functional Teams**

Robert Kramer

Maximilian Reif

Kilian Käslin

Thomas Breier

Simon Rehwald

Xiaoyu Guo

Josef Saidl

**Modeling**

Dora Dzvonyar

Florian Köstner

Stephan Rebaner

Laurence Gastagnoli

Lukas Heinzmann

Arald Haveriku

Michael Fröhlich

Ramakant Agrawal

Daniel Gallenberger

Dimitar Magurav

**Release Management**

Lukas Alperowitz

Jan Philip Bamius

Konstantin Kromer

Samy El Deib

Philipp Heuer

Jimmy Abu Al Denien

Florian Dreier

Madhukar Sollepura  
Prabhu Shankar

Francisco Rubin

Valeria Chernenko

**Merge Management**

Andreas Seltz

Alexander Harless

Stefan Köfler

Aldijana Sakinovic

Ding Liu

Florian Heinz

Gaurav Srivastava

Lara Marie Reimer

Christian Kivitt

Aly Saleh

Carmen Breyer

Shoand Mahmuti

Florian Seppel

Irina Camilleri

Monika Varshney

Lukas Steigerwald

João Trindade

Manuel Nonnenmacher

Kirsten Rauffer

Ning Wang

Marcus Holt

Richard Otto

Tadora Lata

Tobias Pittreder

Pedro Silva

Selina Elsner

Simon Zimmermann

Thu Lao

# Application

- 1 Express your intention by filling out the form at [www1.in.tum.de/ios](http://www1.in.tum.de/ios)  
Due: **February 08**
- 2 Log in to the [matching system](#) of the Informatics department and make sure to give the iPraktikum your priority  
Between: **February 03 - February 08**
- 3 You can check whether you have been matched to the course  
From: **February 15**



# Impressions





# Impressions





# Further information

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

## Get an impression of the projects

- Stay here for the Client Acceptance test, which starts right now or watch the livestream at <http://www1.in.tum.de/ios1617cat>
- Talk to the participants and customers at the buffet afterwards
- Watch the recordings of previous terms: e.g. [www1.in.tum.de/ios16](http://www1.in.tum.de/ios16)

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