iPraktikum Summer 2018

Info Meeting

iPraktikum Summer 2018

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
February 1, 4:00pm
Interims Lecture Hall 2

Registration
www1.in.tum.de/ios

Important Dates
Intro Course: April 3-10
Kickoff: April 12, 4:30 pm

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

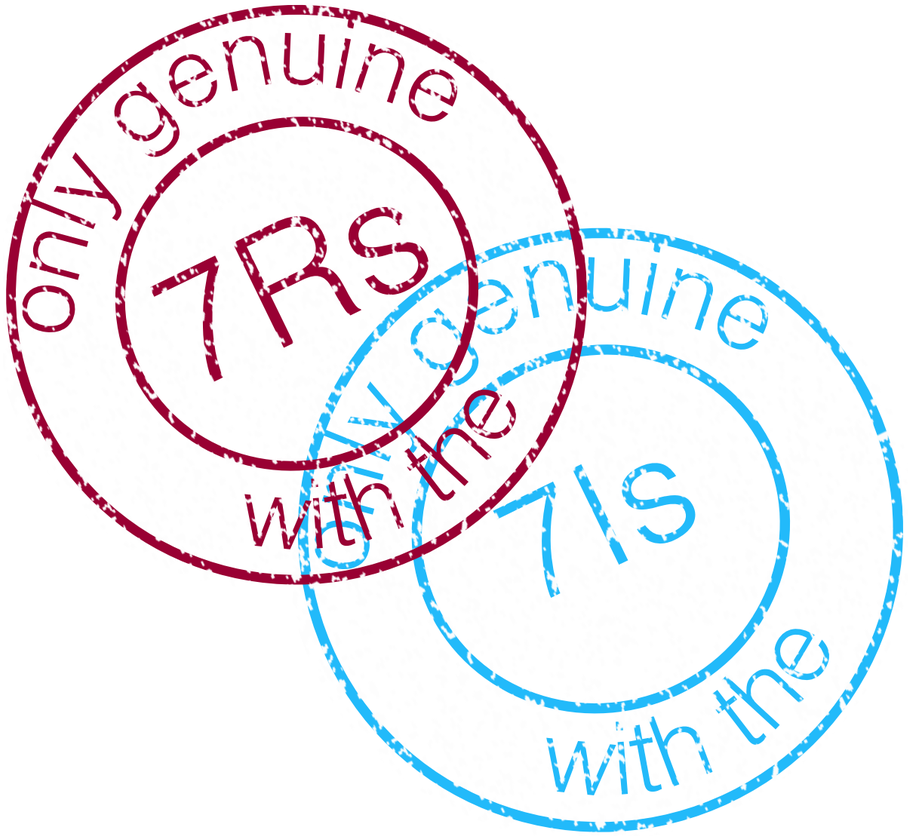
#iostum
@ls1intum

Contact: Dominic Henze (01.07.059, ios@in.tum.de)

Why us?

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

- **R**eal clients
- **R**eal problems
- **R**eal data
- **R**eal teamwork
- **R**eal projects
- **R**eal deadlines
- **R**eal delivery



- **I**nnovative
- **I**terative
- **I**ncremental
- **I**nteractive
- **I**nterdisciplinary
- **I**nternational
- **I**nternet of Things

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 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, …

... 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

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.

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

adesso

Olaf Schumacher
Adesso

Sacha Catelin
Adesso

Project Management

Barbara Reichart
Project Leader

Stefan Kofler
Team Coach

Development Team

Annika Saken

Matthias Holdorf

Ghulam Nasir

Jonas Tomasini

Malte Bucksch

Sarah Jungwirth

BMW

Christoph Kracke
BMW

Project Management

Stephan Krusche
Project Leader

Florian Kistner
Team Coach

Development Team

Fabian Warthenpfuhl

Stefan Reu

Christian Eichhorn

Daniel Nilsen

Markus Jantunen

Marla Narazani

Patricia Vitoria Carrera

BOSCH

Matthias Schaffer
Bosch

Renata Soares
Bosch

Project Management

Dr. Yang Li
Project Leader

Stephan Rabanser
Team Coach

Development Team

Ange Laure Temzeung Kouemo

Ingo Glaser

Samit Vaidya

Agastya Fauzan Alfath

Christian Dallago

Michaela Pfister

Shivguru Rao Bhimasena Visweswera

B/S/H/

Pavel Osipov
B/S/H/

Project Management

Dora Dzvonyar
Project Leader

Alexander Harlass
Team Coach

Development Team

Ekaterina Sebina

Dennis Nehrenheim

Julian Zurmühl

Alexander Maslew

Belinda Zahra

Fabian Manhardt

Sami Amr Afifi

Tomas Ruiz

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

Sebastian Stein
Team Coach

Agnes Köhler
Team Coach

Development Team

Robert Krämer

Maximilian Reif

Laurence Castagnoli

Lukas Heinzmann

Samy El Deib

Philipp Heuer

Aldijana Sakinovic

Ding Liu

Carmen Breyer

Shpend Mahmuti

Quartett mobile

Leon von Tippelskirch
Quartett Mobile

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Sebastian Klepper
Project Leader

Jan Philip Bernius
Team Coach

Development Team

Kilian Käslin

Arald Haveriku

Jimmy Abu Al Denien

Florian Heinz

Florian Seppi

Manuel Nonnenmacher

Teodora Lata

Thu Lao

Coach Instructors

Lukas Alperowitz

Dora Dzvonyar

Cross-functional Teams

Modeling

Dora Dzvonyar

Florian Kistner

Stephan Rabanser

Release Management

Lukas Alperowitz

Jan Philip Bernius

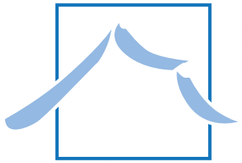
Konstantin Kromer

Merge Management

Andreas Seitz

Alexander Harlass

Stefan Kofler



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Roche

Jens Pflüger
Roche

Project Management

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Project Leader

Marius Schulz
Team Coach

Development Team

Thomas Breier

Michael Fröhlich

Florian Dreier

Gaurav Srivastava

Irina Camilleri

Kirsten Rauffer

Tobias Piffrader

SIEMENS

Tobias Aigner
Siemens CT

Project Management

Andreas Seitz
Project Leader

Alexander Meissner
Team Coach

Development Team

Simon Rehwald

Ramakant Agrawal

Madhukar Sollepura
Prabhu Shankar

Lara Marie Reimer

Monika Varshney

Ning Wang

Pedro Silva

SIEMENS

Dr. Asa MacWilliams
Siemens CT

Steffen Klepke
Siemens CT

Project Management

Zardosht Hodaie
Project Leader

Cecil Wöbker
Team Coach

Development Team

Xiaoyu Guo

Daniel Gallenberger

Francisco Rubin

Christian Kiwitt

Lukas Steigerwald

Marcus Hott

Selina Elsner

T-Systems

Dr. Stephan Verclas
T-Systems

Dr. Raman Tandon
WIWeB

Project Management

Constantin Scheuermann
Project Leader

Konstantin Kromer
Team Coach

Development Team

Josef Seidl

Dimitar Magurev

Valeria Chernenko

Aly Saleh

João Trindade

Richard Otto

Simon Zimmermann

Lukas
Alperowitz

Dora
Dzvonyar

Coach Instructors

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Stephan
Rabanser

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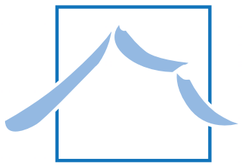

Important Dates

Final Presentations Winter Semester: February 8, 4:30pm, Interims 2

- Client Acceptance Test of all projects with live demo and buffet afterwards
- We also have a livestream: https://livestream.com/ls1intum/1718CAT

Intro Course: April 3-9 (Homework due April 12)

- Intensive course before the beginning of the Praktikum
- Introduction to Xcode, Swift, Git…

Kickoff: April 12, 4:30 pm, Interims Lecture Hall 1

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

Attendance is mandatory.
No excuses.

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

Application Process

1. Express your intention by filling out the form at www1.in.tum.de/ios
   Due: February 14

2. Log in to the matching system of the Informatics department and make sure to give the iPraktikum your priority
   Between: February 9 - February 14

3. You can check yourself if you have been matched to the course
   From: February 21

Impressions

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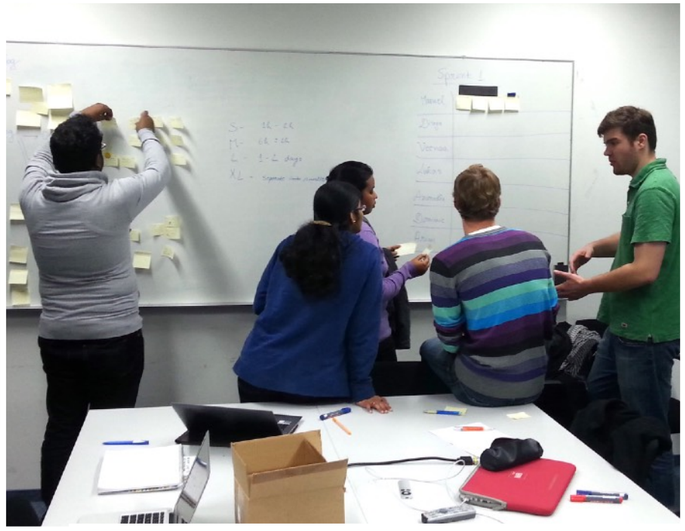

Further information

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

Get an impression of the projects

- Come to the Client Acceptance test next week
- 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