Proseminar/Seminar
Teaching iOS
Winter Semester 2016/17 - Info Meeting

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Goals

• Participate as tutor in the introduction courses for the iPraktikum (approx. 100 students)

• Learn how to teach Swift and concepts of advanced Software Engineering to students with varying knowledge

• Deepen your knowledge in iOS development

• Have fun :-)

Seminar/Proseminar Teaching iOS 2016/17 - Info Meeting
A typical day in the intro course

This could be you!
Our Philosophy

“Tell me and I will forget. Show me and I will remember. Involve me and I will understand. Step back and I will act.”

(Chinese Proverb)
Prerequisites

• You are familiar with the concept of object oriented languages
• You have experience in iOS development
  • Good knowledge in Swift
  • Experience with Objective-C is a plus
• You are highly motivated to take this course
Course Schedule

- Between **October 10** and **October 14**
- About **100 students** in the course
- We hold different kinds of sessions
  - Instructors: 6 sessions about **Swift, Xcode and iOS development**
  - Instructors: 1-2 sessions about **Workflow Topics** (e.g. Branch Management)
  - Tutors: 2 - 4 sessions about **advanced topics**

You are here :-(
Style of the sessions

90 min hands-on presentation

- Students immediately exercise the learned concepts in small examples
- A solution is provided

30 min exercise

- Summarizes the content of the whole presentation
- The students have to solve it on their own
- You correct the exercise solutions and give feedback to the students
What we expect during the course

• You attend all your sessions
• You support the participants by answering their questions
• You correct the exercise solutions
• Your prepare an own extraordinary presentation/exercise
• You present the topic in front of all students
Sessions

Instructor topics

• Swift: Intro, Intermediate, Advanced
• Your First iOS App
• Storyboarding
• Model View Controller
• Branch Management

Possible topics for tutors

• UI Design
• Server-Side Swift
• Protocol oriented programming
• Debugging using Xcode 8
• Your ideas!
Milestones

• Mid-August: structure of your presentation

• End of August: presentation and exercise

• Mid-September: you do a dry run and get feedback

• Beginning of October: final slides and exercise
How we grade

- Presentation (40%)
- Support (30%)
- Exercise correction (30%)
Registration process

1. Express your intention by filling out the form at www1.in.tum.de/teaching (-> Teaching iOS)
   Latest: June 27 - 15:00

2. We invite you to a personal interview on June 28 or 29
   Latest: June 28 - 18:00

3. After we have accepted you, prioritize the Seminar/Proseminar “Teaching iOS” in the department’s matching system
   Between: July 1 - July 6
Questions?
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