Seminar
Teaching iOS
Info Meeting (January 19, 2015)
Goals

- Participate as tutor in the Swift introduction courses for the iOS Praktikum 2015 (approx. 100 students)
- Learn how to teach advanced software engineering concepts
- Deepen your knowledge in iOS development
- Have fun :-)
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)
iOS Praktikum 2014/15
Course Schedule

• Between April 8 and April 22 (preliminary)
• 3 courses with 10 sessions each
• About 30 students in each course
• We hold 6 sessions about Swift, Xcode and iOS development
• The tutors hold 2 - 4 sessions about advanced topics
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

- The exercise summarizes the content of the whole presentation
- The students have to solve it on their own
- Tutors correct the exercise solutions and give feedback to the students
Prerequisites

• You are familiar with the concept of object oriented languages

• You have experience in iOS development
  • Good knowledge in Objective-C
  • First experience with Swift is a plus

• You are highly motivated to take this course
What we expect during the course

• You attend all your sessions of your assigned course
• You support the participants by answering their questions
• You check the exercise solutions
• Your prepare your own presentation/exercise and tutorial for an advanced topic
• You present the topic in all three courses
Introduction Topics

• Introducing Swift
• Your First iOS App
• Intermediate Swift
• Storyboarding
• Advanced Swift
• Model View Controller
Possible topics for tutors

• Data Serialization
• RESTful Services
• Core Data (optional)
• Branch Management
• Release Management
Milestones

• You create the structure of your presentation and tutorial until the end of February

• You create a presentation and the exercise until mid March

• End of March you hold a dry run of your presentation in front of us

• You include the feedback and deliver the final slides and exercises until the beginning of April
How we grade

- Presentation (40%)
- Tutorial (20%)
- Support (20%)
- Exercise / TrafficWatch correction (20%)
Registration process

1. Apply via email (Details [www1.in.tum.de/ios](http://www1.in.tum.de/ios) (-> Teaching iOS) Until: January 27

2. We invite you to a personal interview Latest: February 2

3. If accepted prioritize the Seminar „Teaching iOS“ in the matching system Between: January 30 - February 3
Questions?