

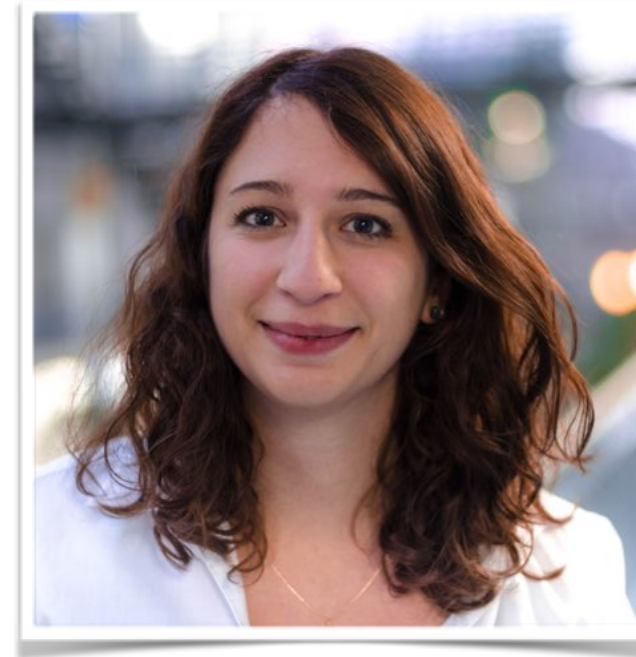


# Proseminar/Seminar Teaching iOS

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 :-)





# 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
- You 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](http://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?

[ios@in.tum.de](mailto:ios@in.tum.de)