



Course and Examination Fact Sheet: Autumn Semester 2016

3,618: App Development and Enterprise Mobility

ECTS credits: 2

Overview examination/s

(binding regulations see below)

Decentral - Presentation (in groups - all given the same grades) (30%)

Decentral - Group examination paper with presentation (all given the same grades) (70%)

Attached courses

Timetable -- Language -- Lecturer

[3,618,1.00 App Development and Enterprise Mobility](#) -- Englisch -- [Schenkel Peter](#), [Blum Thorsten](#), [Zigelski Alexander](#)

Course information

Course prerequisites

Basic programming skills

First experience with development tools such as Eclipse, Visual Studio Code, Android Studio or Xcode.

Course content

The course aims to understand basic development principles and to provide practical knowledge on how to develop apps.

Course structure

Develop an app idea and implement the app in groups of 3 students.

The concept and the implementation are evaluated.



The course is divided in 4 blocks. Between the blocks the students have time to implement workpackages. In each block the groups present their work to discuss open issues.

Course literature

Helpful Links

Official React Native Tutorial & Documentation — <https://facebook.github.io/react-native/docs/tutorial.html>

A more technical companion to the official tutorial — <http://www.reactnativeexpress.com/>

Guide from planning an app to implementing it with React Native — <http://makeitopen.com/>

Building Your First iOS App with JavaScript — <https://www.smashingmagazine.com/2016/04/the-beauty-of-react-native-building-your-first-ios-app-with-javascript-part-1/>

React Native Playground — A lot of code examples you may test instantly in the browser - <https://rnplay.org/>

Facebook explains why they developed React Native — <https://code.facebook.com/posts/1014532261909640/react-native-bringing-modern-web-techniques-to-mobile/>

An extensive list with components, articles and guides about React Native — <https://github.com/jondot/awesome-react-native>

Additional course information

Peter Schenkel graduated in computer science (KIT) and holds a PhD degree in information management from the University of St. Gallen. He has been working as a developer, IT project manager and strategy consultant in various industries for several years. He is now managing director of storyx AG - a consulting company focusing on enterprise mobility concepts and new technologies.

Please direct any questions to peter.schenkel@storyxag.com.

A laptop with Mac OS/Windows/Linux and a smartphone for testing is required.

- Install Node.js — <https://nodejs.org/en/download/>

- Install React Native

- Type `npm install -g react-native-cli` in a command line

— Install Visual Studio Code — <https://code.visualstudio.com/>

- Install Visual Studio Code Extension "React Native Tools" — <https://marketplace.visualstudio.com/items?itemName=vsmobile.vscode-react-native>

To develop for iOS (only on OS X):

- Install XCode via App Store

To develop for Android (Windows, Linux, OS X):



- Install Android Studio — <https://developer.android.com/studio/install.html>

Examination information

Examination sub part/s

1. Examination sub part (1/2)

Examination time and form

Decentral - Presentation (in groups - all given the same grades) (30%)

Remark

Präsentation Idee und Umsetzungsplan

Examination-aid rule

Practical examination

No examination-aid rule is necessary for such examination types. The rules and regulations of the University of St. Gallen apply in a subsidiary fashion.

Supplementary aids

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Examination languages

Question language: English

Answer language: English

2. Examination sub part (2/2)

Examination time and form

Decentral - Group examination paper with presentation (all given the same grades) (70%)

Remark

Codequalität, Funktionsfähigkeit

Examination-aid rule

Term papers

- Term papers must be written without anyone else's help and in accordance with the known quotation standards, and they must contain a declaration of authorship.
- The documentation of sources (quotations, bibliography) has to be done throughout and consistently in accordance with the APA or MLA standards. The indications of the sources of information taken over verbatim or in paraphrase (quotations) must be integrated into the text in accordance with the precepts of the applicable quotation standard, while informative and bibliographical notes must be added as footnotes (recommendations and standards can be found, for example, in METZGER, C. (2015), Lern- und Arbeitsstrategien (11th ed., 4th printing). Aarau: Sauerländer).
- For any work written at the HSG, the indication of the page numbers both according to the MLA and the APA standard is never optional.
- Where there are no page numbers in sources, precise references must be provided in a different way: titles of chapters or



sections, section numbers, acts, scenes, verses, etc.

- For papers in law, the legal standard is recommended (by way of example, cf. FORSTMOSER, P., OGOREK R. et SCHINDLER B. (2014, Juristisches Arbeiten: Eine Anleitung für Studierende (5. Auflage), Zürich: Schulthess, or the recommendations of the Law School).

Supplementary aids

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Examination languages

Question language: English

Answer language: English

Examination content

Concept and implementation are evaluated.

Examination relevant literature

None

Please note

We would like to point out to you that this fact sheet has absolute priority over other information such as StudyNet, faculty members' personal databases, information provided in lectures, etc.

When will the fact sheets become binding?

- Information about courses and examination time (central/decentral and grading form): from the start of the bidding process on 25 August 2016
- Information about decentral examinations (examination-aid rule, examination content, examination relevant literature): after the 4th semester week on 17 October 2016
- Information about central examinations (examination-aid rule, examination content, examination relevant literature): from the start of the enrolment period for the examinations on 07 November 2016

Please look at the fact sheet once more after these deadlines have expired.