KTH Architecture and the Built Environment

Course Evaluation

A. Course Information

A1	Code and name of the course	AG2417 Web and Mobile GIS
	Number of credits	7.5
A2	Semester/Year, Period	2019 P1
A3	Student group	TTGTM
	Number of Students	3
A4	Teaching Staff	
	Course Examiner/Coordinator	Gyözö Gidofalvi
	Course Responsible	Gyözö Gidofalvi
	Lecturers	Gyözö Gidofalvi, Andrea Nascetti
	Exercise/Lab Assistants	Can Yang
A5	Main Course Literature	Internet GIS: Distributed Geographic Information Servicesfor the Internet and Wireless Networks, authored by Dr. Zhong-Ren Peng and Dr. Ming-Hsiang Tsou. Published by Wiley. 2003.

B. Summary of evaluation results by students

B1	Have the opinions of the course participants been collected?	VERBALLY
B2	Is a summary of the students' opinions attached to this protocol?	IMPLICITLY

C. Course responsible's comments on students' opinions. Please indicate, if any, the specific measures to improve the course in the future.

Due to the low number of students the course evaluations from students have been collected verbally in an open group discussion. Overall, the student's assessment of the course has been quite positive. The lectures were perceived to be somewhat theoretical, but the labs were viewed very useful for understanding the basic development concepts and tools. The student presentations of specific front-end programming concepts and frameworks were also useful. The project part of the course was highly enjoyed by the students; in which they have implemented a dynamic web page to visually analyze sustainability aspects of simulated travel behavior information from SAMPERS. The project required students to learn new client-side libraries (deck.gl) in addition to the standard libraries for

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web GIS. This was challenging but based on the exposure to various client-side libraries the student managed to successfully overcome this challenge and were able to deliver a rather polished and fully functional web GIS application. As it has been the case in some previous course instances, students felt that they would have liked to spend more time on the project. As it was noted previously in course analyses and as it was explained to the students, this is challenging because the initial lectures and labs are needed to introduce the basic concepts and technologies so that students are clear on the challenges and possibilities in designing a full-stack, open-source, web and mobile GIS application. Consequently, as it has been the case in previous course instances, the students will be encouraged to think about the project early on as they are learning the basic concepts and technologies in the lectures and labs. The students have appreciated the new course improvements that included: 2 guest lectures on cloud-based GIS (predominantly raster) data processing and visualization tools (GEE) and related GIS data collection tools (Google's ODK Collector and Aggregate) and the improved instructions on development environment setup, cloud hosting setup on Google Cloud Platform (GCP) and cloud deployment of NodeJS applications, Leaflet, Ajax, Node-Postgres and JSON.

Stockholm

Date: 2019-11-20

BRUNO SALERNO

(Students Representative)

(Course Responsible)