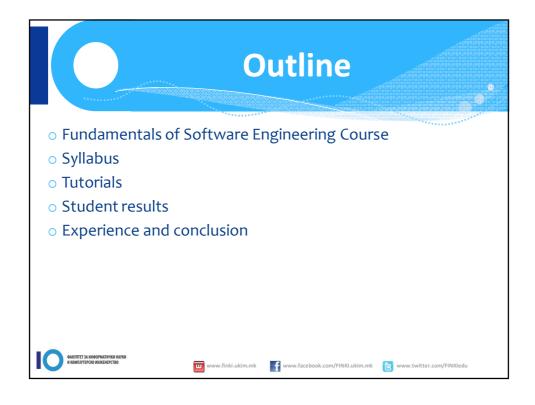
Experience with new course "Fundamentals of Software Engineering"

Boro Jakimovski

Faculty of Computer Science and Engineering Ss. Cyril and Methodius University in Skopje



Fundamentals od Software Engineering

- The course was introduced in the new curricula of the new Faculty
- o The curricula had only specified its outline as:
- "Description of Software Engineering, Software architectures, Structured design, Object oriented design, Sofware reusability, Definition of software development process and management of software development process, ..."
- It is, more or less, an overview of what Software engineering is.









Fundamentals of Software Engineering

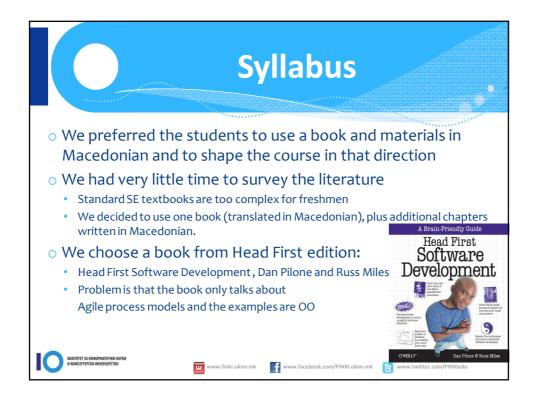
- Main problem
 - The course is in the 1st semester (450 students, 3 professors)
- The course was definitely too early
 - Some students learnt how to program in parallel with the course
 - No background of any object oriented concept
- The main focus of the teachers was to explain to the students that
 - · Software development is an important process
 - This process has several steps and why every step is important
 - Be aware that the process involves many actors, especially non-IT customers that do not know what they want
 - Main goal high quality software

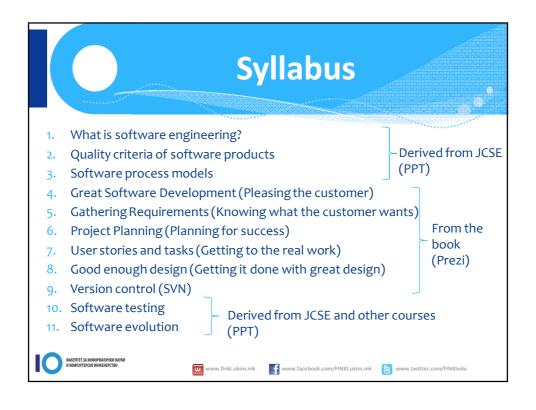


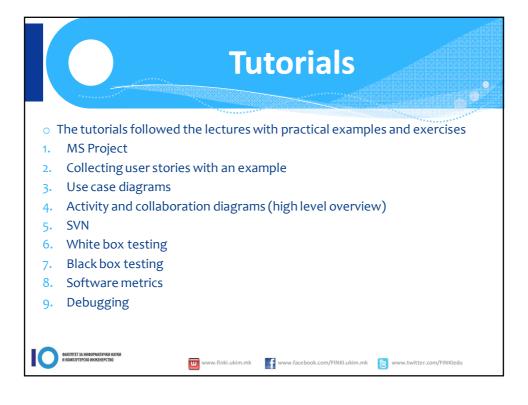


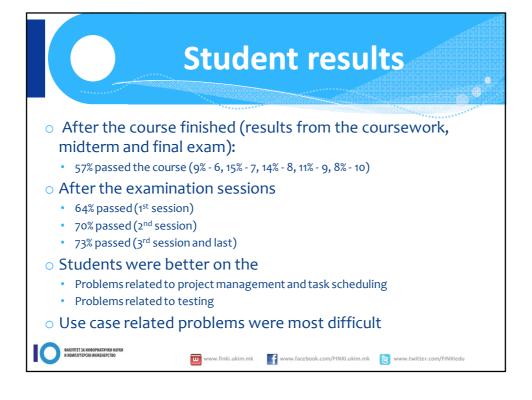












Student feedback

- Was the course difficult (1-5, 5 being hardest)
 - Average 2.42 (only 20% saying 4 and 5)
- Was the course interesting (1-5, 5 begin most interesting)
 - Average 4.02 (only 3% saying 1 and 5% saying 2)
- Were the presentation clear and well presented (1-5, 5 being better)
 - Average 4.3
- Students that filled the feedback (30% of 450) had average score of 8
 - 10% of them have not passed the course at the time of the feedback.









Experience and conclusion

- The course is definitely too early
 - The students found it either too abstract or too simple
 - Cannot introduce good examples
 - Cannot use a good text book since all of them introduce OOA/OOD and UML
- We tried to push an initiative to swap the course with different course from the second semester but with no luck
- The course will be revised this year
 - The SE part will be minimised and a more overview course of Computer and Software Engineering will be introduced





www.facebook.com/FINKI.ukim.mk

www.twitter.com/FINKle

