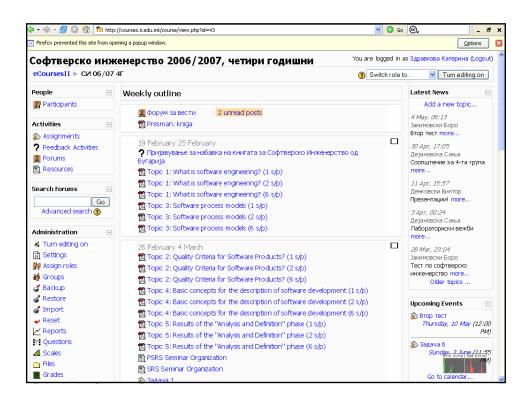
## Experience with the first delivery of the JCSE in Skopje

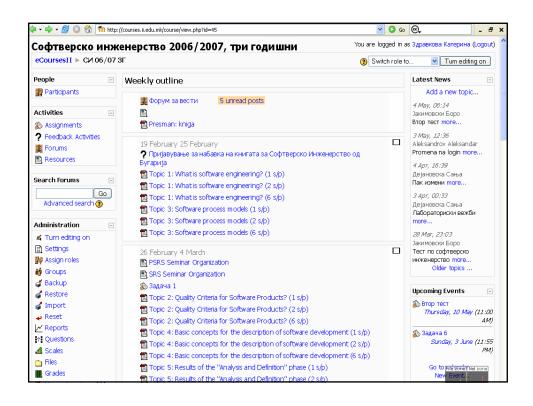
Katerina Zdravkova, Boro Jakimovski {keti, boroj}@ii.edu.mk

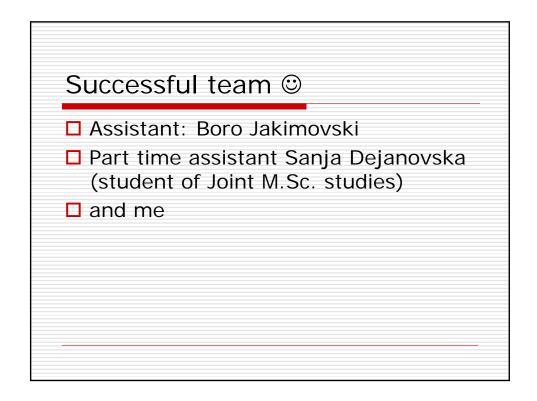
### Contents

- □ Target group
- ☐ Distribution of the obligations
- □ Lectures
- ☐ Student assignments
- ☐ Assessment
- □ Literature
- Conclusion

# Target group □ Compulsory module in the fourth semester for: ■ 75 students from 4-year studies ■ 46 students from 3-year studies □ 15 weeks \* 2 lectures + 2 theoretical exercises + 1 practical exercise □ Prerequisite: attended module in Data Structures from the third semester







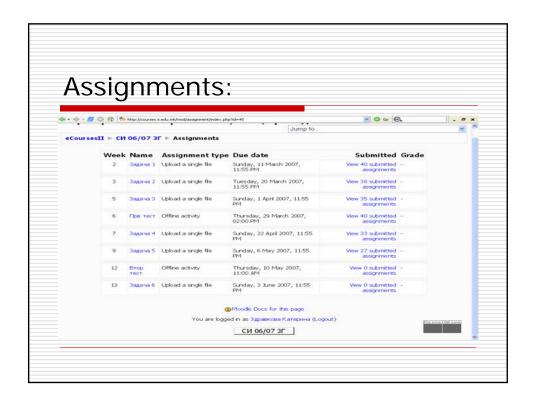
| Distribution of th                                    | ne obligations                                       |  |  |  |
|-------------------------------------------------------|------------------------------------------------------|--|--|--|
| 1 - What is Software engineering?                     | 3 - Software process models - introduction           |  |  |  |
| 2 - Quality criteria for software products            |                                                      |  |  |  |
| 4 - Basic concepts and software development documents | 5 - Results of the "Analysis and Definition" phase   |  |  |  |
| 6 - Cost estimation                                   | 7 - Basic concepts of the function-<br>oriented view |  |  |  |
| 8 - Basic concepts of the data-oriented view          | 9 - Basic concepts of the rule-oriented view         |  |  |  |
| 10 - Structured analysis                              | 11 - Basic concepts of state-oriented view           |  |  |  |
| 12 - Basic concepts of scenario-based view            | 13 - Object-Oriented analysis                        |  |  |  |
| 15 - Overview of design phase                         | 16 - Structured design, 17 - Object-oriented design  |  |  |  |
| 18 - Implementation                                   | 21 - Testing                                         |  |  |  |

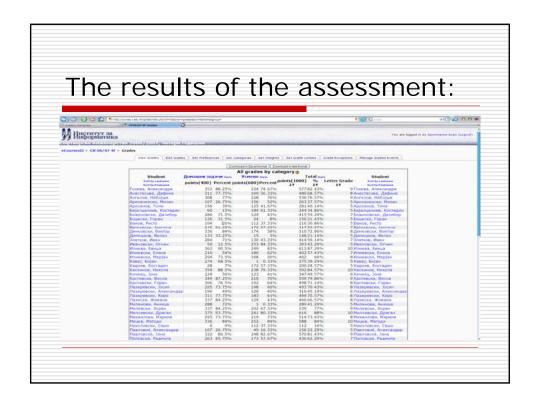
|          | Practical exer                       | rise         | 76          |           |   |     |   |  |  |
|----------|--------------------------------------|--------------|-------------|-----------|---|-----|---|--|--|
|          | ו ומטווטמו לאכו טואכא                |              |             |           |   |     |   |  |  |
| _        |                                      |              |             |           |   |     |   |  |  |
|          | D                                    | Е            | F           | G         | Н | l l | J |  |  |
| 22       |                                      |              |             |           |   |     |   |  |  |
| 23<br>24 |                                      |              |             |           |   |     |   |  |  |
|          | Review preliminary requirements spec | ification 'S | eminar orga | nization' |   |     |   |  |  |
|          | Review the requirements document 'S  |              |             | IIIZauoII |   |     |   |  |  |
|          |                                      |              |             |           |   |     |   |  |  |
|          |                                      |              |             |           |   |     |   |  |  |
| 29       |                                      |              |             |           |   |     |   |  |  |
| 30       | -                                    |              |             |           |   |     |   |  |  |
| 31       | Specify regression test using ATOS   |              |             |           |   |     |   |  |  |
| 32       | Software metrics                     |              |             |           |   |     |   |  |  |
| 33       |                                      |              |             |           |   |     |   |  |  |
| 34       | Duning at Management                 |              |             |           |   |     |   |  |  |
| 35       | Project Management                   |              |             |           |   |     |   |  |  |
| 37       |                                      |              |             |           |   |     |   |  |  |
| 38       |                                      |              |             |           |   |     |   |  |  |
| 39       |                                      |              |             |           |   |     |   |  |  |
|          |                                      |              |             | -         |   |     |   |  |  |
|          |                                      |              |             |           |   |     |   |  |  |

## Lectures ☐ Used and very slightly modified slides from JCSE ☐ Very easy to use and to explain ☐ Students find them very nice

## Additional reading Pressman (electronic version) Sommerville (printed version) Stani and others (printed version) INTENTION: We would like to translate the book from Bulgarian into Macedonian, and add all the missing lectures

## Student assignments + assessment Assignments: Very good results Students find them very useful Assessment: Based on Novi Sad questions Again good results Students were very satisfied





- □ It is a pleasure to be a JCSE teacher with all prepared materials
- ☐Thank you all for your previous contribution