

Experience with the first delivery of the JCSE in Skopje

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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

The screenshot shows a Moodle course page for 'Софтверско инженерство 2006 / 2007, четири годишни'. The user is logged in as 'Здравова Катерина'. The page features a 'Weekly outline' section with a list of forum posts and topics, including '19 February 25 February' and '26 February 4 March'. The 'Latest News' section on the right contains several announcements with dates and names. The 'Upcoming Events' section at the bottom right lists 'Втор тест' on Thursday, 10 May, and 'Задача 6' on Sunday, 3 June. The left sidebar contains navigation menus for 'People', 'Activities', 'Search Forums', and 'Administration'.

The screenshot displays a Moodle course interface. The main content area is titled 'Weekly outline' and lists several topics and posts. The left sidebar contains navigation menus for 'People', 'Activities', 'Search Forums', and 'Administration'. The right sidebar shows 'Latest News' and 'Upcoming Events'. The user is logged in as 'Здравкова Катерина'.

Successful team 😊

- ❑ Assistant: Boro Jakimovski
- ❑ Part time assistant Sanja Dejanovska (student of Joint M.Sc. studies)
- ❑ and me

Distribution of the 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-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 exercises

	D	E	F	G	H	I	J
22							
23							
24							
25	Review preliminary requirements specification 'Seminar organization'						
26	Review the requirements document 'Seminar organization'						
27	Apply FP method to Seminar organization						
28	Review product model (structured analysis) of seminar organization						
29	Derive use case diagram and class diagram from problem description						
30							
31	Specify regression test using ATOS						
32	Software metrics						
33							
34							
35	Project Management						
36							
37							
38							
39							

Lectures

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

Assignments:



The screenshot shows a Moodle course page titled "eCoursesII > СИ 06/07 3Г > Assignments". The page displays a table of assignments with columns for Week, Name, Assignment type, Due date, Submitted, and Grade. The assignments are listed as follows:

Week	Name	Assignment type	Due date	Submitted	Grade
2	Задача 1	Upload a single file	Sunday, 11 March 2007, 11:55 PM	View 40 submitted assignments	-
3	Задача 2	Upload a single file	Tuesday, 20 March 2007, 11:55 PM	View 38 submitted assignments	-
5	Задача 3	Upload a single file	Sunday, 1 April 2007, 11:55 PM	View 35 submitted assignments	-
6	Пре тест	Offline activity	Thursday, 29 March 2007, 02:00 PM	View 40 submitted assignments	-
7	Задача 4	Upload a single file	Sunday, 22 April 2007, 11:55 PM	View 33 submitted assignments	-
9	Задача 5	Upload a single file	Sunday, 6 May 2007, 11:55 PM	View 27 submitted assignments	-
12	Втор тест	Offline activity	Thursday, 10 May 2007, 11:00 AM	View 0 submitted assignments	-
13	Задача 6	Upload a single file	Sunday, 3 June 2007, 11:55 PM	View 0 submitted assignments	-

Below the table, there is a Moodle Docs link and a login status: "You are logged in as Звездислава Каревична (Logout)". A breadcrumb trail at the bottom shows "СИ 06/07 3Г".

The results of the assessment:

Student	Домашни задачи points(400)	Ресурси points(400)	Успехи points(1000)	Total points	Letter Grade
Госева, Александра	353 88.25%	224 74.67%	5778.43%	5778.43%	9
Анастасова, Дарфина	311 77.75%	169 56.33%	4806.57%	4806.57%	8
Ангелов, Христо	308 77%	228 76%	5267.57%	5267.57%	8
Аризановски, Милан	107 26.75%	156 52%	26337.57%	26337.57%	5
Аризанов, Томе	156 39%	125 41.67%	28146.14%	28146.14%	5
Брајанцкиев, Костадин	60 15%	184 61.33%	24434.86%	24434.86%	5
Божановски, Даниел	280 71.5%	129 43%	41576.29%	41576.29%	7
Бочевски, Горан	126 31.5%	24 8%	15021.43%	15021.43%	5
Ванев, Тихо	104 26%	112 37.33%	21070.86%	21070.86%	5
Вучковски, Јанина	245 61.25%	172 57.33%	51759.57%	51759.57%	7
Димитровски, Виктор	236 59%	174 58%	51072.86%	51072.86%	7
Димитров, Велко	133 33.25%	15 5%	14821.14%	14821.14%	5
Джатовски, Снеж	284 71%	130 43.33%	41459.14%	41459.14%	7
Илиевски, Иван	50 12.5%	253 84.33%	30343.29%	30343.29%	5
Илиев, Елица	362 90.5%	249 83%	61187.29%	61187.29%	10
Илиевска, Елена	216 54%	186 62%	46257.43%	46257.43%	7
Илиевски, Марјан	294 73.5%	168 56%	462 66%	462 66%	7
Кавал, Бојан	274 68.5%	1 0.33%	2739.29%	2739.29%	5
Кадиев, Костадин	28 7%	172 57.33%	20028.57%	20028.57%	6
Касиков, Никола	154 38.5%	238 79.33%	59284.57%	59284.57%	10
Кичев, Зоран	224 56%	123 41%	34749.57%	34749.57%	6
Крстевски, Весна	149 37.25%	210 70%	35970.86%	35970.86%	7
Крстевски, Горан	306 76.5%	192 64%	49871.14%	49871.14%	8
Крстевски, Јосип	295 73.75%	198 66%	49370.43%	49370.43%	8
Крстевски, Александар	196 49%	120 40%	31645.14%	31645.14%	6
Крстевски, Кирил	311 77.75%	183 61%	48425.57%	48425.57%	8
Крстевски, Живко	317 84.25%	129 43%	46666.57%	46666.57%	8
Миловова, Анелия	288 72%	1 0.33%	28941.29%	28941.29%	5
Миловова, Зоран	237 59.25%	262 87.33%	529 77%	529 77%	8
Миловова, Драган	375 93.75%	241 80.33%	616 88%	616 88%	10
Миловова, Мартина	295 73.75%	219 73%	51474.33%	51474.33%	8
Мишев, Милош	336 84%	252 84%	588 84%	588 84%	10
Миловова, Снеж	0 0%	112 37.33%	112 16%	112 16%	5
Павловиќ, Александар	107 26.75%	49 16.33%	15622.29%	15622.29%	5
Павловска, Зина	122 30.5%	248 82.67%	5791.43%	5791.43%	6
Павловска, Радмила	263 65.75%	173 57.67%	43662.29%	43662.29%	7

It is a pleasure to be a JCSE teacher with all prepared materials

Thank you all for your previous contribution