

E-course development projects – working with teachers



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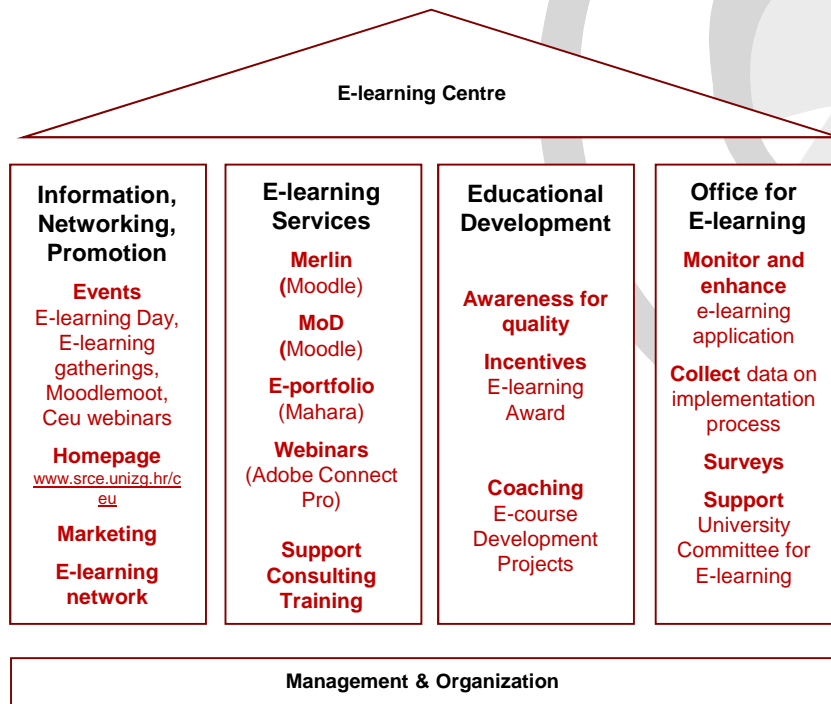
EUNIS Conference – Dundee, 10-12 June, 2015



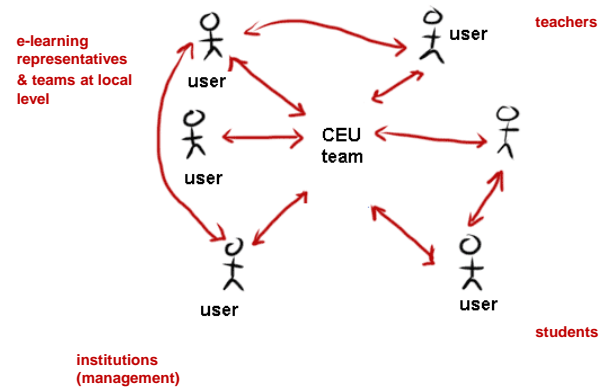
About E-learning Centre



- Established at University Computing Centre University of Zagreb in 2007
- Basic objectives:
 - to support teachers, students, e-learning teams and institutions
 - to provide and maintain reliable and generally accessible university platform for e-learning
 - to support the university network of people involved or interested in e-learning
 - to promote and foster implementation of e-learning
- On our platform for e-learning today there are:
 - 4 500 e-courses
 - 2 000 teachers
 - 25 000 students
- Today national Centre for e-learning in Croatia is primarily focused on the higher education



E-learning Centre support



- teachers – majority
 - listening to their needs and ideas
 - try to always say yes
 - working with them
 - different types of users- different approaches
- students
 - need occasional support
 - need proper introduction to e-learning at the beginning of studies
- institutions, local e-learning teams
 - advice and guidance on the implementation process

E-course development projects

- started in 2012 with aim to enhance the implementation of the University of Zagreb e-learning strategy
- one or two cycles per year
- in 2015 – 11 projects just finished

Goal:

- to increase a number of e-courses at University of Zagreb
- to enable teachers to get acquainted with new technologies and to provide support in implementation of these technologies in the educational process
- to work with teachers on establishment and development of their e-courses

What kind of support do we provide:

- individualized support
- guidance and training
- instructional design
- multimedia

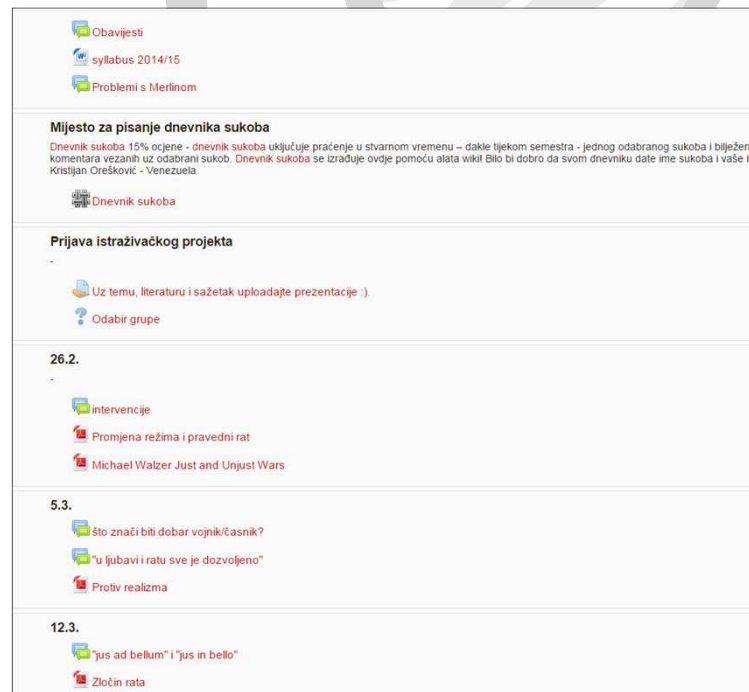
Our moto: „To work **with** teachers, not **for** them!”

What kind of support do we provide within the e-learning development projects:

- teacher's trainings – how to use technologies
- teacher's trainings – how to implement new technologies in the educational process
- instructional design in development of e-courses
- how to define learning outcomes and assessment methods in e-courses
- help in creation of various modules in e-courses
- adaptation of classroom learning materials for virtual environment
- development in technically demanding materials
- development of animations, simulations, videos...

E-course development project: *Theories and politics of peace, Faculty of Political Sciences*

- the goal was to establish and develop the e-course in blended mode (as the extension of the classroom course)
- teachers' knowledge about e-learning technologies was very poor
- first year course, 90 students
- available materials for classroom teaching
- teacher had clear idea what she wanted to accomplish with the e-course



The screenshot displays a user interface for an e-learning platform. At the top, there are navigation links: 'Obavijesti', 'syllabus 2014/15', and 'Problemi s Merlinom'. Below this is a section titled 'Mjesto za pisanje dnevnika sukoba' (Place for writing the conflict diary), which includes a brief description of the diary's purpose and a link to 'Dnevnik sukoba'. The next section is 'Prijava istraživačkog projekta' (Project report), featuring a link to upload presentations and a link to choose a group. The main content area is organized into sections with dates: '26.2.' (containing 'intervencije', 'Promjena režima i pravedni rat', and 'Michael Walzer Just and Unjust Wars'), '5.3.' (containing 'Što znači biti dobar vojnika/časnika?', 'U ljubavi i ratu sve je dozvoljeno', and 'Protiv realizma'), and '12.3.' (containing 'Jus ad bellum' i 'Jus in bello' and 'Zločin rata').

E-course development project: ***Track and field, Faculty of Kinesiology***

- the goal was to make an application that will enable students to enter their walking and running scores and then compare it with other results
- first year course, 250 students
- teacher worked with the E-learning Centre for several years constantly improving her e-course
- teacher had clear idea but still changed her mind several times during the project
- students find this application very helpful

Track and field Application – teachers' view

Rezultatska postignuća

Rezultatska postignuća Postavke

Student	M/F	100 m	Bod 100 m	200 m	Bod 200 m	400 m	Bod 400 m	800 m	Bod 800 m	1500 m	Bod 1500...	Bod	Ocjena
▶ [redacted]	M	13.28	421	28.16	366	1:05.84	236	2:40.55	118	5:53.08	293	0	0
▶ [redacted]	F	16.29	295	33.78	251	1:14.89	221	2:55.06	412	6:17.22	391	707	2
▶ [redacted]	F	16.51	270	37.69	85	1:22.28	77	3:11.76	264	6:48.42	258	0	0
▶ [redacted]	M	13.69	357	27.82	389	1:00.35	413	2:22.80	347	4:52.69	600	1013	4
▼ [redacted]	M	12.90	485	26.71	469	1:01.67	358	2:29.11	253	5:10.94	499	984	3

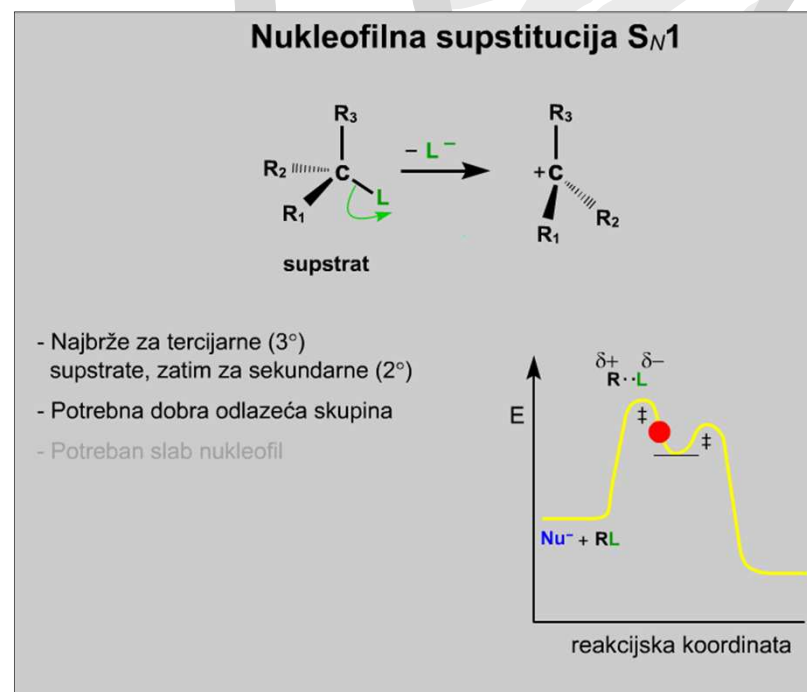
Rekordi muški		Rekordi žene		
	WR	Bodovi WR	HR	Bodovi HR
100 m	9.58	1356	10.20	1138
200 m	19.19	1351	20.76	1103
400 m	43.18	1300	45.64	1136
800 m	1:40.91	1296	1:44.07	1199

▶ [redacted]	M	13.50	387	28.10	370	1:11.20	114	3:10.50	0	7:07.40	57	0	0
▶ [redacted]	M	13.89	328	28.40	350	1:04.75	266	2:31.32	223	5:28.02	409	759	1
▶ [redacted]	M	12.62	534	25.27	583	57.39	506	2:26.98	283	5:17.78	462	1045	4
▶ [redacted]	M	13.89	328	29.90	257	1:05.69	240	2:50.20	41	6:07.29	235	0	0
▶ [redacted]	M	12.13	626	25.22	587	58.75	457	2:26.22	204	5:14.05	477	1103	5

Grafovi rezultata muški Grafovi rezultata žene

E-course development project : *Organic chemistry, Faculty of Chemical Engineering and Technology*

- the goal was to create three animations that will help students to better understand specific chemical processes
- teacher had unrealistic idea about complexity of making animations
- first year course, 90 students
- animations were produced in Adobe Flash



Experience with teachers on projects so far

- fear and reluctance present at the beginning is slowly fading
- positive experience brought more interested teachers
- lack of knowledge of what e-learning is
- teachers have problems changing their teaching methods and increasing interaction in their e-courses
- after some time in the process focus moved from animations to instructional design



Students' feedback about e-courses that participated in e-learning development projects

- Positive feedback
- Lot of time and effort
- Benefit

YES	NO
<ul style="list-style-type: none">• animations• forums• assignment submissions• availability of learning materials and information	<p>Complex tasks such as:</p> <ul style="list-style-type: none">• Mind map• Wiki <p>Quiz not clearly defined or announced</p>

The most common mistakes teachers made in development of e-courses

- too much too soon
- no clear idea about aims of the e-course
- no outcomes
- not enough information for students on use of e-learning platform
- not enough preparation
- bad course structure and organization
- annulling the grades

E-learning Centre team



Questions?

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www.srce.unizg.hr/en

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