

EVALVACIJA

Udeleženci (priloga 1) so vrnil 10 vprašalnikov (priloga 2). Izpolnjevali so jih na samem, tako da so res svobodno lahko odgovarjali. Eden/ena ni vrnil/a ankete.

Povsem enotni so bili (z najvišjo oceno) pri ovrednoteju komunikacije pred samim seminarjem. Ta je potekala seveda le prek elektronske pošte, a so dobili zares izčrpna navodila tako o seminarju kot za logistiko in sam prihod do Zavoda. Najvišja ocena je bila enoglasno dana tudi dobri uravnoveženosti med predavanji in prostim časom, kamor je spadal tudi izlet po Sloveniji (s terensko meritvijo) in vodeni ogled po Ljubljani. Enako velja za oceno delovnega vzdušja.

Pri ocenjevanju samih predavanj je potrebno upoštevati, da smo imeli učitelje dveh predmetov. Pri tem so tisti, ki so študirali fiziko, med svojim šolanjem bistveno več potrebovali matematike kot obratno. Prav zato za fizike matematična predavanja niso predstavljala manj domače stvarine; obratno je to veljalo za učitelje matematike, ki so jim bila nekatera fizikalna predavanja očitno prezahtevna. Povprečne ocene so zapisane v tabelah. Morda bi morali dodati tudi možnost NE VEM, saj nekateri niso mogli presoditi, ali bodo lahko predstavljene zamisli uporabili pri pouku.

Veljalo bi razmisliti, če bi prihodnje leto nekaj časa namenili tudi ločenim sekcijam (matematika, fizika).

The cooperation between mathematics and sciences – from research towards enhanced teaching, Ljubljana, Slovenia 22-27 August 2010;

Please, share your opinion about EACH lecture with us.

Tine Golež: From calculus ...

Please use the scale: 1-Strongly disagree, 2-Disagree, 3-Agree, 4-Strongly agree	
The ideas presented at this lecture interesting.	3,4
The ideas presented at this lecture were clearly and well presented.	3,9
The presenter was knowledgeable and well prepared.	3,9
I will be able to use the ideas presented at the seminar in my future work.	3,2

Damjan Kobal: Technology, motivation, teaching and Hands on simple techno-math ideas

Please use the scale: 1-Strongly disagree, 2-Disagree, 3-Agree, 4-Strongly agree	
The ideas presented at this lecture interesting.	3,5
The ideas presented at this lecture were clearly and well presented.	3,9
The presenter was knowledgeable and well prepared.	3,9

I will be able to use the ideas presented at the seminar in my future work.	3,3
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Damjan Kobal: From real to virtual with GeoGebra

Please use the scale: 1-Strongly disagree, 2-Disagree, 3-Agree, 4-Strongly agree	
The ideas presented at this lecture interesting.	3,5
The ideas presented at this lecture were clearly and well presented.	3,9
The presenter was knowledgeable and well prepared.	3,9
I will be able to use the ideas presented at the seminar in my future work.	3,3

Simon Zell: Fermat meets Pythagoras

Please use the scale: 1-Strongly disagree, 2-Disagree, 3-Agree, 4-Strongly agree	
The ideas presented at this lecture interesting.	3,4
The ideas presented at this lecture were clearly and well presented.	3,5
The presenter was knowledgeable and well prepared.	3,7
I will be able to use the ideas presented at the seminar in my future work.	3,3

Simon Zell: Experiments and concept of variable

Please use the scale: 1-Strongly disagree, 2-Disagree, 3-Agree, 4-Strongly agree	
The ideas presented at this lecture interesting.	3,2
The ideas presented at this lecture were clearly and well presented.	3,5
The presenter was knowledgeable and well prepared.	3,7
I will be able to use the ideas presented at the seminar in my future work.	3

Simno Zell: Interdisciplinary lessons between mathematics and biology

Please use the scale: 1-Strongly disagree, 2-Disagree, 3-Agree, 4-Strongly agree	
The ideas presented at this lecture interesting.	3,2
The ideas presented at this lecture were clearly and well presented.	3,7
The presenter was knowledgeable and well prepared.	3,8
I will be able to use the ideas presented at the seminar in my future work.	2,9

Iztok Kukman: Uncertainty Principle and Fourier transform

Please use the scale: 1-Strongly disagree, 2-Disagree, 3-Agree, 4-Strongly agree	
The ideas presented at this lecture interesting.	2,9
The ideas presented at this lecture were clearly and well presented.	3,4
The presenter was knowledgeable and well prepared.	3,7
I will be able to use the ideas presented at the seminar in my future work.	2,5

Gregor Bregar: Advanced physics experiments for A-level students (propeler)

Please use the scale: 1-Strongly disagree, 2-Disagree, 3-Agree, 4-Strongly agree	
The ideas presented at this lecture interesting.	3,1
The ideas presented at this lecture were clearly and well presented.	3,2
The presenter was knowledgeable and well prepared.	3,6
I will be able to use the ideas presented at the seminar in my future work.	3

Tine Golež: ...towards mathematics

Please use the scale: 1-Strongly disagree, 2-Disagree, 3-Agree, 4-Strongly agree	
The ideas presented at this lecture interesting.	3,6
The ideas presented at this lecture were clearly and well presented.	3,8
The presenter was knowledgeable and well prepared.	3,9
I will be able to use the ideas presented at the seminar in my future work.	3,3

Damjan Kobal: Learning and teaching with GeoGebra

Please use the scale: 1-Strongly disagree, 2-Disagree, 3-Agree, 4-Strongly agree	
The ideas presented at this lecture interesting.	3,8
The ideas presented at this lecture were clearly and well presented.	3,8
The presenter was knowledgeable and well prepared.	3,8
I will be able to use the ideas presented at the seminar in my future work.	3,6

Bregar, Golež, Kukman: Physics experiments prepared for 2nd and 3rd graders lab-work

Please use the scale: 1-Strongly disagree, 2-Disagree, 3-Agree, 4-Strongly agree	
The ideas presented at this workshop interesting.	3
The ideas presented at this workshop were clearly and well presented.	3,1

The presenter was knowledgeable and well prepared.	3,7
I will be able to use the ideas presented at the seminar in my future work.	2,9

Tine Golež: Modelling motion: the case of horizontal launch

Please use the scale: 1-Strongly disagree, 2-Disagree, 3-Agree, 4-Strongly agree	
The ideas presented at this lecture interesting.	3,3
The ideas presented at this lecture were clearly and well presented.	3,7
The presenter was knowledgeable and well prepared.	3,8
I will be able to use the ideas presented at the seminar in my future work.	2,9

Golež, Bregar: Modelling motion: the case of shooting in water

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The ideas presented at this lecture interesting.	3,5
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I will be able to use the ideas presented at the seminar in my future work.	3

Damjan Kobal: Science and/or common sense

Please use the scale: 1-Strongly disagree, 2-Disagree, 3-Agree, 4-Strongly agree	
The ideas presented at this lecture interesting.	3,8
The ideas presented at this lecture were clearly and well presented.	3,9
The presenter was knowledgeable and well prepared.	3,9
I will be able to use the ideas presented at the seminar in my future work.	3,5

Please, share your opinion with us.

Please use the scale: 1-Strongly disagree, 2-Disagree, 3-Agree, 4-Strongly agree	
The atmosphere and working conditions at the seminar were good.	4
Active participation was encouraged.	3,7
Discussions and exchange of ideas was productive and enhanced the interaction.	3,8
Contentwise the course was a rewarding event, which I would suggest to others.	3,8

After applying to the course the communication with the organizer was efficient	4
All together the organization of the seminar was good.	3,9

I learnt about the course

- a) On the internet **8**
- b) From a friend **1**
- c) Was informed at my school **1**
- d) Other (please specify).....

Have you visited the ScienceMath web page prior to this course

- a) No **7**
- b) Did not know about it
- c) Briefly **2**
- d) Yes **1**
- e) Yes, thoroughly

Have you been to a similar international seminar before

- a) No **7**
- b) Yes. If yes, then how would you evaluate this seminar:
 - a. Bellow average **1**
 - b. Average 1**
 - c. Better than average **1**

Regarding the schedule, the seminar had

- a) too much free time. Would prefer more work.
- b) well balanced schedule. **10**
- c) too much work. Would prefer more free time.

Participants:

name	family name	country	my university degree	I teach at	I teach	age of my students
Ariana-Stanca	Vacaretu	RO	math	General secondary school	mathematics	12 - 19
José Luis	Ruiz Fernández	SP	Maths	General secondary school	Maths	12 -18
Miguel	Beira	PT	Teaching of physics and chemistry	Elementary school	Physics and chemistry	12 - 16
Ana	Oliveira	PT	Food engineering / Manag. of edu. resources	Elementary school	Physics and chemistry	12 - 16
Betul	Zenginobuz	TR	math	Secondary school	mathematics	14 - 19
Kalle	Vaha-Heikkilä	FI	physics	general secondary school (gymnasium)	physics and mathematics	16 - 19
Anca Gabriela	Bărbulescu	RO	physics	general secondary school (gymnasium)	physics	12 -19
Marília André	Rosário	PT	math	general secondary school/vocational school	mathematics	13 -18
Klaus	Lybæk-Hansen	DK	math, physics	gymnasium	math., phys.	13 – 16
Luisella	Ruiu	IT	Chemistry and PhD in biotechnology	general secondary school (gymnasium)	Chemistry and physics	16 - 19
Nenad	Pavlović	RS	physics	general secondary school	physics	15 - 19

To the participants of the course:

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Please, write and additional relevant information:

Thank you. Leave this paper at doorman's office.

