

Ministry of Education and Science of Ukraine
St. Cyril and St. Methodius university of Veliko Tarnovo (Bulgaria)
P.M. Masherov Vitebsk State University (Belarus)
Jan Kochanowski University of Kielce (Poland)
Makarenko Sumy State Pedagogical University (Ukraine)

International scientific and practical conference

Scientific activity as a way of future specialist's professional competencies formation

December 8, 2021, Sumy, Ukraine

DEAR COLLEAGUES!

We invite you to participate in the International Scientific and Practical Conference "Scientific Activity as a Way of Future Specialist's Professional Competencies Formation", which will be held on December 8, 2021 at the Makarenko Sumy State Pedagogical University.

Topics of interest

1. Features of the organization of scientific and educational activities of the future specialist in the context of the development of the information society, taking into account the competence-based approach.
2. Research activities of future scientists in the context of digital globalization.
3. Competent self-realization of a specialist.
4. IT in scientific and professional activities.
5. Modern trends and innovations in different fields of knowledge.
6. Digital resources in the professional training of a specialist.
7. Formal, non-formal and informal education in a pandemic.

The section can be specified after receiving the paper.

Conference languages: Ukrainian, Russian, English.

To participate in the conference, you must send an application and paper to the email address **npk@fizmatsspu.sumy.ua** by **November 21, 2021**.

NPK does not charge conference fees. Participation for foreign members is free (proceedings (pdf) and certificate).

We also propose to publish the research results in the scientific journal "Physical and Mathematical Education". The electronic version of the journal will be provided to foreign participants free of charge! Journal website: <https://fmo-journal.org/>

FORMATTING OPTIONS

- page limit – 2 pages (with a references and abstract);
- A4 format; orientation – book; margins – 2.5 cm each;
- font – Times New Roman, 10 pt;
- interval – single; paragraph – 10 mm;
- figures – in JPG or TIF format;
- all figures should be grouped, location – "in the text";
- formulas – font Times New Roman, regular symbol – 10, large index – 7, small index – 5, large symbol – 12, small symbol – 10;
- links to sources – in square brackets [1, p. 34] or [1; 2; 5, etc.];
- abstract – in italics (in three languages: Ukrainian, Russian, English), 3-8 lines;
- keywords – in italics (in three languages: Ukrainian, Russian, English), 3-8 words or phrases.

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Application Form of participant

Family name, Given name	
Affiliation	
Academic degree, academic title	
Position	
Contact phone numbers	
E-mail	
Topic number	
Title of paper	
Is there an online presentation planned?	

Template

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OPEN EDUCATIONAL RESOURCES IN MATHEMATICS

Among the trends in the field of education, the movement to open educational resources, which are associated with free access of Internet users to the materials of all courses of various educational institutions, is becoming more widespread.

Table 1

Characteristics of mathematical courses on open educational resources

Recourse	Courses	Courses in Math		Course Language							
				Ukr		Rus		Eng		Other	
		Number	%	Number	%	Number	%	Number	%	Number	%
Coursera	614	47	7,7	0	0	0	0	37	78,7	10	21,3
Udemy	726	42	5,8	0	0	0	0	42	100	0	0
OpenLearn	705	48	6,8	0	0	0	0	48	100	0	0
ИНТУИТ	718	60	8,4	0	0	60	100	0	0	0	0

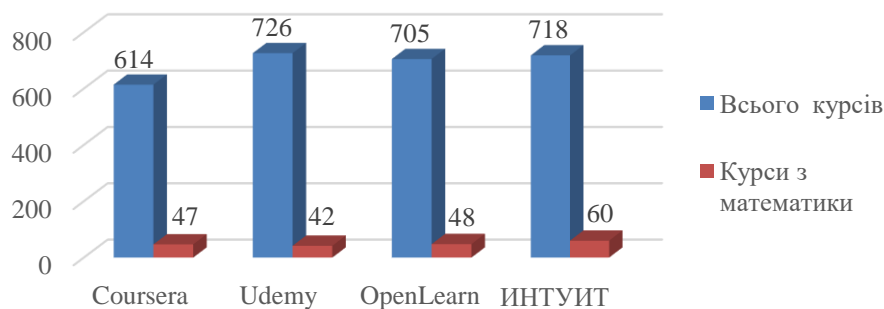


Fig. 1. Quantitative content of mathematical courses on open educational resources

References

1. Как технологии изменяют образование: пять главных трендов [Электронный ресурс] / М. Левин // Forbes – 2012. – Режим доступа: <http://www.forbes.ru/tehnobudushchee/82871-kak-tehnologii-izmenyayut-obrazovanie-pyat-glavnyh-trendov>

Анотація. Шевченко І. Відкриті освітні ресурси з математики. У статті проаналізовано відкриті освітні ресурси з математики. Наведено їх кількісний вміст на сайтах Coursera, Udemy, OpenLearn, ИНТУИТ. Подано діаграми, які характеризують вагу окремих математичних курсів по відношенню до усіх інших.

Ключові слова: відкриті освітні ресурси, відкриті курси з математики, аналіз математичних курсів на відкритих освітніх ресурсах.

Аннотация. Шевченко И. Открытые образовательные ресурсы по математике. В статье проанализировано открытые образовательные ресурсы по математике. Приведено их количественное содержание на сайтах Coursera, Udemy, OpenLearn, ИНТУИТ. Подано диаграммы, характеризующие вес отдельных математических курсов по отношению ко всем остальным.

Ключевые слова: открытые образовательные ресурсы, открытые курсы по математике, анализ математических курсов на открытых образовательных ресурсах.

Abstract. Shevchenko I. Open educational resources for mathematics. The article analyzes the open educational resources for mathematics. Given their quantitative content on sites Coursera, Udemy, OpenLearn, INTUIT. Posted diagram describing the weights of individual mathematical courses in relation to everyone else.

Keywords: open educational resources, open courses in mathematics, mathematical analysis courses on open educational resources.