



Curriculum Vitae

Personal information

First name(s) / Surname(s) **RUDENKO YULIIA**

E-mail **yuliia.rudenko@snau.edu.ua**

Gender female

Current employment / Occupational field

Associate Professor of Cybernetics and Informatics Department, faculty of Economics and Management, Sumy National Agrarian University, www.snau.edu.ua

Work experience

General scientific and pedagogical work experience 25 years (1,5 years - experience of work at SNAU)

Occupation or position held Assistant professor at the Department of Cybernetics and Informatics at the Faculty of Economics and Management of the Sumy National Agrarian University

Main activities and responsibilities Teaching and scientific activity in the sphere of Innovative Modelling Methods
Member of the Academic Council of the Faculty of Economics and Management of the SNAU, Responsible for the scientific work of the Department of Cybernetics and Informatics of the SNAU

Name and address of employer Sumy National Agrarian University, 160 H. Kondratiieva Str., Sumy, 40000, Ukraine

Type of business or sector Higher Educational Institution (Agricultural Sector)

Education and training

Dates 1992-1997; 2010-2012

Title of qualification awarded Dissertation title "Education of information culture of Students of cooperative colleges" Sep 2016.
Sumy Pedagogical State University.
specialty "teacher of mathematics and computer science"
June 2010
Sumy State University, Sumy.
specialty "engineer"
June 1997.

Principal subjects /occupational skills covered IT (Information Technology), E-commerce

Name and type of organisation providing education and training Sumy State University, Ukraine

Level in national or international classification Diploma in Engineering, Diploma in teacher of mathematics and computer science

Dates 2016

Title of qualification awarded	Institute of Educational Problems of the National Academy of Pedagogical Sciences, Ukraine. Theory and method of education. Received the scientific degree Candidate of Pedagogical Sciences (PhD).
Principal subjects/ occupational skills covered	Economics of Environmental Management and Environmental Protection, Mathematical Economics
Name and type of organisation providing education and training	Sumy State University, Ukraine
Level in national or international classification	PhD in Pedagogical Sciences
Dates	2016
Title of qualification awarded	Education of information culture of Students of cooperative colleges
Principal subjects /occupational skills covered	Distance learning
Name and type of organisation providing education and training	National Aviation University, Ukraine
Level in national or international classification	Certificate of Researcher
Dates	2017
Title of qualification awarded	Researcher of internship topic: "Innovative methods of teaching Econometrics discipline"
Principal subjects /occupational skills covered	IT
Name and type of organisation providing education and training	Sumy State University, Ukraine
Level in national or international classification	Certificate of Researcher
Dates	2021
Title of qualification awarded	Researcher of internship topic: "Applied econometric analysis for solving agricultural policy problems with the programming language R and RStudio"
Principal subjects /occupational skills covered	Econometrics
Name and type of organisation providing education and training	"German-Ukrainian Agricultural Policy Dialogue" (APD), Leibniz Institute for Agrarian Development in Transitional Economies (IAMO, Halle, Germany)
Level in national or international classification	Certificate of Researcher
Dates	2023
Title of qualification awarded	Researcher of the internship topic: Preparation for the exam to determine the level of proficiency in the state language for the performance of official duties
Principal subjects /occupational skills covered	Official language

Name and type of organisation providing education and training	Sumy State University, Ukraine																														
Level in national or international classification	State certificate of proficiency in the state language (first degree fluency)																														
Dates	2023																														
Title of qualification awarded	Researcher of the internship topic: “Artificial intelligence and the future of education”																														
Name and type of organisation providing education and training	The Ministry of Digital Transformation of Ukraine and the NGO “Progresilni”																														
Level in national or international classification	Certificate of Researcher																														
Personal skills and competences	ski																														
Mother tongue(s)	Ukrainian																														
Other language(s)	English																														
Self-assessment European level (*)	<table><tr><th colspan="4">Understanding</th><th colspan="4">Speaking</th><th colspan="2">Writing</th></tr><tr><th colspan="2">Listening</th><th colspan="2">Reading</th><th colspan="2">Spoken interaction</th><th colspan="2">Spoken production</th><th colspan="2"></th></tr><tr><td>B1</td><td>Independent User</td><td>B1</td><td>Independent User</td><td>B1</td><td>Independent User</td><td>B1</td><td>Independent User</td><td>B1</td><td>Independent User</td></tr></table>	Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				B1	Independent User	B1	Independent User	B1	Independent User	B1	Independent User	B1	Independent User
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Ukrainian	<table><tr><td>C2</td><td>Proficient user</td><td>C2</td><td>Proficient user</td><td>C2</td><td>Proficient user</td><td>C2</td><td>Proficient user</td><td>C2</td><td>Proficient user</td></tr></table>	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user																				
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user																						
	(*) Common European Framework of Reference for Languages																														
Social skills and competencies	I can to work in the team within the framework of international and national scientific projects																														
Organisational skills and competences	Member of the Academic Council of the Faculty of Economics and Management of SNAU. Responsible for the scientific work of the Department of Cybernetics and Informatics of SNAU. Responsible for the organization of various seminars, conferences and professional seminars, student research papers competition. Curator of the student group.																														
Computer skills and competences	Proficient user. Data analysis (Data Mining)																														
Artistic skills and competences	-																														
Driving licence	-																														
Additional information:																															

Scientific Research Topic
and Publications

Scientific interests: modelling the impact of air pollution on the level of damage to crops; application of economic and mathematical models and methods of optimization of decision making in economics; innovative modelling methods. Author of more than 40 publications on modeling and analysis of complex socio-economic systems

Projects Experience

In 2016-2020, I performed a research work on the topic: "Creation of remote system for Internet monitoring of the agro-industrial complex of the region" (UkrINTEI: 0116 U 07232)). From 2021, -- the leading executor of research work on the topic: "Development of means of information support for innovative activities in the agricultural sector of the region" (UkrINTEI: 0121U110116)

Annex 1. SELECTED ACADEMIC ARTICLES:

1. Rudenko Yu., Rozumenko A., Kryvosheya T., Karpenko O., Semenikhina O. Online Training during the COVID-19 Pandemic: Analysis of Opinions of Practicing Teachers in Ukraine. *44th International Convention on Information, Communication and Electronic Technology, MIPRO 2021 - Proceedings* (27 September 2021 - 01 October, 2021) Opatija, Croatia, 2021. Pp. 626-630. URL: <https://ieeexplore.ieee.org/document/9596799> (**Scopus**)
2. Ivan Bakhov, Yuliya Rudenko, Andriy Dudnik, Nelia Dehtiarova and Sergii Petrenko. Problems of Teaching Future Teachers of Humanities the Basics of Fuzzy Logic and Ways to Overcome Them. *International Journal of Early Childhood Special Education*. Volume 13, No 2. December 2021. Pp. 844-854. URL: <https://www.int-jecse.net/abstract.php?id=339> (**Web of Science, Scopus**)
3. Yuliia Rudenko, Olha Naboka, Larysa Korolova, Khana Kozhukhova, Olena Kazakevych, Olena Semenikhina. Online Learning with the Eyes of Teachers and Students in Educational Institutions of Ukraine. *TEM Journal*. Vol. 10, Iss. 2, 2021. Pp. 922-931. DOI: 10.18421/TEM102-55. https://www.temjournal.com/content/102/TEMJournalMay2021_922_931.pdf (**Scopus, Web of Science**)
4. Semenykhina, O.V., Rudenko Y.O. Problems of educating to programming of students and way of their overcoming. *Information Technologies and Learning Tools*, Vol. 66, No. 4, 2018. Pp. 54–64. URL: <https://journal.iitta.gov.ua/index.php/itlt/article/view/2149> (**Web of Science**)
5. Rudenko Yu.O., Semenikhina O.V., Kharchenko I.I., Kharchenko S.M. Distance learning: results of a survey of teachers and college students. *Information Technologies and Learning Tools*. Vol. 86, No. 6, 2021. Pp. 313-333. URL: <https://journal.iitta.gov.ua/index.php/itlt/article/view/4343> (**Web of Science**)
6. Rudenko Y., Drushlyak M., Osmuk N., Shvets O., Kolyshkin O., Semenikhina O. Problems of Teaching Pupils of Non-Specialized Classes to Program and Ways to Overcome Them: Local Study. *International Journal of Computer Science and Network Security*. Vol. 22, No. 1, January 2022. pp. 105-112 doi: 10.22937/IJCSNS.2022.22.1.16 URL: <http://www.koreascience.or.kr/article/JAKO202213042351207.kr> (**Web of Science**)
7. Rudenko Y., Naboka O., Petrenko S., Ostroha M., Pronikova M., Semenikhina O. Using Web Quests in Professional Training Student-Managers. *45th Jubilee International Convention on Information, Communication and Electronic Technology, MIPRO 2022 - Proceedings*, (May 23–27, 2022), Opatija, Croatia, 2022. Pp. 770-775. URL: <https://ieeexplore.ieee.org/document/9803400> (**Scopus**)
8. Rudenko Y., Drushlyak M., Osmuk N., Shvets O., Kolyshkin O., Semenikhina O. Problems of Teaching Pupils of Non-Specialized Classes to Program and Ways to Overcome Them: Local Study. *International Journal of Computer Science and Network Security*. 2022. Vol. 22 No. 1, pp. 105-112 doi: 10.22937/IJCSNS.2022.22.1.16 (**Web of Science**)
9. Vira Petruk, Yuliia Rudenko, Artem Yurchenko, Inna Kharchenko, Serhii Kharchenko, Olena Semenikhina, "Analysis of the Results of the Pedagogical Experiment on the Integrated Analysis of the Average and Dispersions", *International Journal of Modern Education and Computer Science(IJMECS)*, Vol.14, No.6, pp. 25-34, 2022. DOI:10.5815/ijmecs.2022.06.03 (**Scopus**)
10. Yuliia Rudenko; Marina Drushlyak; Olha Naboka; Volodymyr Proshkin; Olena Semenikhina SPECIAL COURSE ON INFORMATION HYGIENE AS A TOOL FOR DEVELOPING YOUTH'S ABILITY TO RESIST INFORMATIONAL INFLUENCES. *E-learning in the Transformation of Education in Digital Society* Scientific Editor Eugenia Smyrnova-Trybulska "E-learning", 14, Katowice-Cieszyn 2022, pp. 268–287 <https://doi.org/10.34916/el.2022.14.20> URL <https://doi.org/10.34916/el.2022.14.20> (**Web of Science**)
11. Rudenko, Y., Ahadzhanova, S., Ahadzhanov-Honsales, K., Bieliaieva, O., Korovai, A., & Semenikhina, O. (2023). Effective Educational Ukrainian Practices of the Formation of Media Literacy. *Y 2023 46th MIPRO ICT and Electronics Convention (MIPRO)*. IEEE. <https://doi.org/10.23919/mipro57284.2023.10159822> (**Scopus**)
12. Rudenko Yu., Drushlyak M., Shamonia V., Ostroha M., and Semenikhina O., "DEVELOPMENT OF STUDENT'S ABILITY TO RESIST INFORMATION INFLUENCES", *ITLT*, vol. 94, no. 2, pp. 54–71, Apr. 2023. (**Scopus**)