Syllabus

Intelligent information technologies in scientific research

Degree – master degree
Field of knowledge – 07 "Management and administration"
Specialty – 073 "Management"
Educational and scientific program - «International management»
Year of study: I, Semester: II

Elective course

Number of ECTS credits: 5
Teaching language: English

Lecturer

Candidate of Technical Science, senior lecturer of the Department of Information Computing Systems and Management
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Course description

The purpose of the course "Intelligent information technologies in scientific research" is to form students' ability to use information technologies and software products in future scientific activities. The goal is achieved through students' practical mastery of the skills of working with the main components of modern personal computer software and technical teaching aids, familiarization with the basics of computer problem-solving technology, starting from their formulation and construction of relevant information models and ending with the interpretation of results , received with the help of a computer.

Course structure

Topic	Learning outcomes	Assigments
1. Classification of software	To know the areas of application of programs for creating presentations and publications in the industry.	Exercises
2. Use of the Internet in education and science	To know the features of using the Internet, be able to find information on the Internet, necessary for use in the educational and scientific process	Exercises
3. Methods of using MS OFFICE	To know the areas of application of computer	Exercises

and other programs in education and science	graphics, be able to solve problems related to processing information using a word processor, a spreadsheet, a program for creating presentations and publications	
4. Use of cloud-oriented services and technologies in science.	To know the application areas of databases and the main capabilities of cloud-oriented services, be able to research the development of computer technology and software	Exercises
5. The main capabilities of the application software when preparing for the presentation of research materials.	To know the main capabilities of cloud technologies, to be able to analyze the effectiveness of the use of information technologies	Exercises

References

1. Буйницька О.П. Інформаційні технології та технічні засоби навчання: навч. посібник для студентів вищих навчальних закладів / О. П. Буйницька; МОНМСУ, Київський університет ім. Б. Грінченка. Київ : Центр учбової літератури, 2018. 240 с
2. Гайдаржи В.І., Ізварін І.В. Бази даних в інформаційних системах Видавництво Університет "Україна" 2018 418 с.
3. Ліп'яніна, Х. В., Сучасні інформаційні технології: навч. посіб. / Х. В. Ліп'яніна, О. В. Вовкодав. Тернопіль: ТНЕУ, 2017. 550с.
4. Нелюбов В.О. Microsoft Word 2016: електронний навчальний посібник. / В.О.Нелюбов Ужгород: ДВНЗ УжНУ, 2018. 96 с.
5. Чекотовський Е.В. Статистичні методи на основі Microsoft Excel 2016: навчальний посібник/Е.В. Чекотовський. К.: Знання, 2018. 407 с
6. Prezi - https://prezi.com/nl7yczc08kxc/prezicom-/
7. Pixlr Express - https://pixlr.com/express/
8. Canva - https://www.canva.com/

EVALUATION

Deadline and retake policy: Modules are retaken with the permission of the dean's office if there are good reasons (for example, sick leave).

Academic Integrity Policy: write-offs during control work are prohibited (including using mobile devices).

Visiting policy: Attending classes is a mandatory component of the assessment. For objective reasons (for example, illness, international internship, and other reasons), training can take place online with the permission of the university administration.

Evaluation method

The final grade of the course is calculated in the following manner:

Credit module 1	Credit module 2	Credit module 3
30%	40%	30%
Oral survey (testing) in classes (topics 1-2) – max.40 points Paperwork 60 points	Practical tasks (topics 3-5) – max.30 points Paperwork 70 points	Individual Task– max. 40points Individual Task Defence– max. 40 points Training participation– max. 20 points

Student evaluation scale:

ECTS	Scores	Content
A	90-100	excellent
B	85-89	good
C	75-84	good
D	65-74	satisfactory
E	60-64	satisfactory
FX	35-59	unsatisfactory with the possibility of resit
F	1-34	unsatisfactory: mandatory course repeat