

Future mathematics and informatics to their teacher's network technologies science training

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Annotation; This in the article "Network technologies" science in learning in students modern information and communication technologies own professional in the activity conscious and critical point of view mean apply ability formation to the problem dedicated.

Keywords: information and communication technologies, students, network technologies

This article selection in the courses "Network technologies" science in learning in students modern information and communication technologies critical evaluation and professional in action apply understanding, consciousness and ability to form dedicated.

High education in institutions each one direction specialist good quality preparation one how many structural from parts consists of Undergraduate stage mathematics and computer science of students pedagogy, psychology, natural and social sciences fundamental knowledge on to form, as well as special of sciences theoretical and practical methods and them apply methods complete to understand directed. Master's stage activity education of the specialist professional skills to increase attention directed without the field of science deep to learn directed. Future expert for study material appropriation the results in choosing, training and from class except activities in planning more freedom mean holding of education modular principle under conditions of students to the selection according to each different kind of courses to learn for more and more increased going role Demand will be done. Har one selection course content and volume directly study goals depends of students education and study courses degrees across transitions during teaching interest in the activity and wishes according to is determined.

Bachelor student his own the first selection course much early chooses - to study the first in the year University by complicated names and attractive to the content have has been many courses in the context of selection process very painful and uncertain being remains. Department manager and professor teacher future of students professional in the field occurring network in the field problems eliminate reach ways teaching, future science teacher as expert being to grow for enough knowledge to give In it each one occupation of the owner in the activity need has been support theoretical and practical information own into takes. And this There are definitely two in the direction work right organize reach need:

- a) chair by explanation works
- b) circles organize reach

This circles content himself which provides, is known one education direction topics with depends was a student mastery for courses as to be understood need study invariant part of the program in learning students by received special to knowledge directed not of the 21st century information in society common knowledge and of the person to himself special qualities relies on. This attitude with informatics at the university teachable each one to science modern person of existence fast changed going information environment adaptation facilitating very perfect tool information and communication technologies offer is enough. With that together, of life any one field, informatics apparatus useless to be any one study science naming possible not So since, the present stage reality higher study in the country expert preparation.

"Networks technologies" science of mastering task to students computer network about data give, har one of a person in his life and society in development information of technologies role display, regional, local and the global computer networks opportunities open give, computer in networks from the data how cases and how purposes to use concepts formation, to the global network to be placed information how harvest to do ways about knowledge to give.

This of the course content the following main departments and to topics based on:

1. Module. Network technologies and computer communications. "Network technologies" science about understanding Computer communications and their types. Computer networks types and their structure.
2. Module. Computer networks types. Theirs classification. Computer networks structure and application Network operational systems. Local computer to the network login Local network topology. The Internet appeared of being history of the Internet network composition. Internet services and his software supply. Protocols. SMM platforms. SMM projects management.
3. Module. Web technologies and multimedia technologies. Web technologies about understanding _ Web 1.0, Web 2.0, Web 3.0, Web 4.0 technologies and their opportunities. With multimedia at work from networks use Multimedia network applications and types. Multimedia network in technologies transmissions. Network level of multimedia services support.
4. Module. Network safety and data protection Network safety basics. Data protection to do methods.
5. Module. Mobile communication tools and electron government Mobile communication tools, mobile contact system and mobile internet, mobile phone via Hotspot Wi-fi to the modem convert. Electronic the government and national information resources.

In this subject to training preparation in sight not only the list according to to students recommendation done from the literature, perhaps information and communication technologies development present situation reflection bringer information source as textbooks, education and Methodical manuals, methodical instructions, recommendations, information collection and bank, scientific and public periodic publications, use of Internet materials as well need.

Course learning big in volume independent things own into takes Independent work organize in reaching each one of the student knowledge, the basics of science thorough appropriation level and ability account is taken. Students independent works the following in forms organize will be: certain topics study literature using independent assimilation; given topics according to abstract preparation; theoretical knowledge in practice use seminar sessions organize to do preparation to see mastered to knowledge relied on without certain topics essence illuminant layouts, models, creative things create, scientific articles, publication published in works pedagogical content articles on the surface reviews writing, authorship programs, scientific projects, lessons developments preparation. For example, an electron documents again work according to laboratory works the following tasks own into takes: a) in italics each one the word to him suitable coming graph image with replace (image Create for desired graph from the editor use or the picture to find possible); b) offer being carried out in the test hyphen, hyphen, quotation marks, names in writing mistakes national and car spelling to the rules according to to find and correction and etc.

Choice course in learning we cloudy from technologies used without documents together edit, online questionnaires and requests work output, study and network resources create, online courses activities development issues seeing we went out Linear didn't happen presentations, composition solutions assessment, presentation templates, too current and interesting to be and etc.

Course according to the work to the results According to, the student is individually creative the project performs [1], where it is all studied tools and from technologies maximum level uses Personal of projects subjects the following to be can:

- Intellectual technologies: reality and prospects.
- Infographics is a science and art
- Information piracy : damage and profit
- Internet public information considered as a tool is it possible
- Color and his a person by perception to be done
- On the Internet live publications: next development prospects.
- Age student for computer friend or is the enemy.
- Social networks face to face communication place press can

"Network technologies" science of students information technologies in the field next professional organizational and management to the activity readiness to form directed. Discipline learning as a result modern information and communication technologies professional in action understanding, awareness and critical evaluation and apply ability formation need Students next professional to grow account received

without information and communication of technologies whole from the spectrum of use to himself special features their understanding need.

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