

## ABSTRACT&amp;REFERENCES

DOI: 10.15587/2519-4984.2017.100042

## MULTIMEDIA AS AN ESP TEACHING AID AT TECHNICAL UNIVERSITIES

p. 4-8

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*The article deals with the use of multimedia in English for Specific Purposes teaching at technical universities. The constituents of multimedia are presented at the beginning, along with the explanation of why the aforementioned means is considered as one of the best educational techniques. The advantages of the use of authentic multimedia in the ESP lesson are listed further in the paper. The reasons of possible negative outcomes of multimedia use in the foreign language lessons are briefly mentioned as well. The work contains the description of the process of educational material learning with the help of multimedia, and the explanation of the cognitive theory of multimedia learning (CTML), more specifically, its principles. When teaching students of technical specialties, it is vital to know that transfer learning is possible and even necessary; thus, this type of study can also be found in the proposed paper. The elements that influence the transfer learning success—mental model construction, working memory capacity, and comprehension—are provided. The experimental verification of the importance of multimedia in ESP lessons can be found at the end of the article*

**Keywords:** multimedia, English for Specific Purposes, audiovisual aids, technical university, teaching, students

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DOI: 10.15587/2519-4984.2017.100109

## INFORMATIONAL-TECHNOLOGICAL SUPPORT OF PROFESSIONAL TRAINING OF TEACHERS IN THE SYSTEM OF POSTGRADUATE EDUCATION

p. 8-13

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*The problems of informational-technological support of professional training of teachers in the system of postgraduate education are considered in the article. The use of informational technologies in all fields of the life determines the essence of changes in educational system. That is why the notion of open education during the life, innovative character of education in informational society and its virtualization are urgent. The stable dependence between the effective activity of a teacher and the level of its professional competence, that is mainly determined not by the volume of mastered content of knowledge but by the development of thinking, ability to self-control of activity, ability to self-education during the life, continuous self-improvement, is observed now.*

*So the determinative precondition of effective professional training of teachers of secondary schools in the system of postgraduate education under conditions of informational society development is a process of improvement of professional qualities and development of teacher's skills during the whole life, because*

*basic knowledge and skills become insufficient for realization of working tasks with time.*

*Just introduction of informational-technological support of teacher's professional training in the system of postgraduate education is an effective instrument that realizes the educational principles during the life and favors professional development of teachers, is able to provide communication between all subjects of educational system, continuous consulting, informing and renewal of learning materials at all stages of the study.*

*Organization of the study of teachers in the system of postgraduate education using informational-technological support must take into account the features of adult training. Because just the use of informational-technological support for professional training of teachers and their comprehension of informational-communicational technologies as an instrument and environment of professional development, readiness to the study with informational-communicational technologies is an indicator of ability to professional development and self-development, level of informational-communicational competence formation, main directions of their improvement.*

*The use of informational-technological support of teachers' professional training in the system of postgraduate education opens the considerable possibilities as to creation of continuous education of a teacher according to the modern educational requirements*

**Keywords:** *informational-technological support, postgraduate education, informatization of education, informational resources, informational-communicational technologies*

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DOI: 10.15587/2519-4984.2017.100174

#### METHOD OF TRAINER EDUCATION OF CADETS-PILOTS UNDER CONDITIONS OF HIGHER MILITARY EDUCATIONAL INSTITUTIONS FOR REALIZING COMBAT TASKS

p. 14-19

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*The theoretical substantiation of the method of trainer education of cadets-pilots for realization of combat tasks under conditions of MHEI is carried out in the article. The existent educational system of professional training is analyzed.*

*The question of organization and realization of trainer education of cadets-pilots for realization of combat tasks in HMEI is considered. The characteristic of learning process for realization of combat tasks on aviation trainer is given. The existent method of assessment of professional training of cadets-pilots in the process of aviation training is substantiated. The main directions of the improvement of the system of professional training of cadets-pilots of tactical aviation under conditions of higher military educational institutions are offered.*

*It was proved, that the main direction of the improvement of profes-*

sional training system for cadets-pilots of tactical aviation under conditions of HMEI is in the use of new informational technologies for aviation trainers and pedagogical improvement of the trainer education process. Realization of methodical possibilities of aviation teaching is possible at the expense of large number of exercises, formation of different skills, trained at the stage of military pilot's education, support of the active management of studying process. The results of analysis may be used for the improvement of educational process of cadets-pilots' professional training under conditions of HMEI

**Keywords:** professional training, cadets-pilots, trainer education, modern methods of teaching, piloting

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DOI: 10.15587/2519-4984.2017.100180

**ORGANIZATIONAL MODEL OF CONTINUOUS LEARNING OF MANAGERS OF NETWORK EDUCATIONAL ORGANIZATIONS IN THE EDUCATIONAL ENVIRONMENT OF INSTITUTION OF POSTGRADUATE TEACHER EDUCATION**

p. 20-25

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Creation of educational institutions of the new type in Ukrainian educational network (supporting schools with the net of branches) and their associations (educational districts) needs from managerial staff the mastering of grounds of the matrix and network system of the management of educational institutions, and from postgraduate educational institutions – the new approaches to the formation of managerial professional competences.

The features of organization of educational environment of postgraduate pedagogical educational institution for continuous teaching of managers of network educational organizations were revealed in the study. The model is built on the andragogical principles of managerial staff professional development. It includes four basic levels: educational institution, educational district, urban district (united territorial community), regional center of education development.

The methods of corporative learning, Internet-technologies, cluster approach to the learning process organization, different forms of qualification improvement courses organization (traditional (full-time and full-time-correspondence learning), distant learning, dual learning, prolonged learning, accumulation learning by case-technologies and so on) are widely used in the model. The learning process is realized at a specialist's main working place of and at a distance from it.

The model has the signs of openness, innovation, cascade character, flexibility, variability (electivity and selectivity), matrix character and corresponds to the logistic principle of "knowledge just in time"

**Keywords:** cluster approach, corporative learning, dual learning, case-technologies, prolonged learning, Internet-technologies

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DOI: 10.15587/2519-4984.2017.100185

**ROLE OF INTERDISCIPLINARY INTEGRATION IN THE FORMATION OF PROFESSIONAL COMPETENCE IN FUTURE ECOLOGISTS**

p. 26-30

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*At the research there was carried out the generalization of the different classifications of interdisciplinary connections, on which use the professional competence of future ecologists is formed at the study of academic discipline “Monitoring of environment”. This research favors the elaboration of the structural-logic scheme of the process of future ecologists' training for mastering the poly-functional professional competences as a result of integrated study. Four main content blocs of interdisciplinary implementation were separated at the structural-logic analysis:*

– *fundamental (disciplines of the natural-scientific training course);*

*evaluative (disciplines that develop mathematical, axiological, qualitative abilities for solving certain ecological problems);*

– *applied (connections that form the ability to evaluate the influence of harmful factors on environment, to determine and elaborate the arrangements as to protection and saving of natural resources);*

– *system-modeling (connections that provide the ability to: the use of ecosystem approach for the analysis, diagnostics, prognostication of ecological problems).*

*The professional competences were specified by the content-thematic models of the natural-scientific and professionally oriented cycles of training in integral study of environment monitoring. In general all existing connections may be referred to the system-modeling ones, because they are aimed at the formation of fundamental-professional-practical competences that favors the solution of complicated, complex ecological problems. The knowledge of professional training are deepened, generalized, gain scientific character due to interdisciplinary integration that favors the introduction of changes to the content of learning programs and their renewal*

**Keywords:** *intradisciplinary connections, integrated study, interdisciplinary connections, monitoring of environment, professional competence*

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DOI: 10.15587/2519-4984.2017.100404

**SOCIAL-PEDAGOGICAL ACCOMPANIMENT OF FOREIGN STUDENTS' SOCIALIZATION: THE EXPERIENCE OF PRACTICAL REALIZATION IN EDUCATIONAL-CULTURAL ENVIRONMENT OF A HIGHER EDUCATIONAL INSTITUTION**

p. 30-37

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*The analysis of the features of introduction of the social-pedagogical accompaniment of foreign students' socialization in educational-cultural environment of a higher educational institution is realized in this article. There is offered to consider the social-pedagogical accompaniment of foreign students' socialization as a type of social-pedagogical activity, directed on their protection, help and support in the process of acculturation by interaction of accompanied person (foreign student) with accompanying person (social pedagogue, tutor, dean's office worker, professor or other person, who realizes the accompaniment), which results are in creation of the optimal conditions for the effective development of their sociality (intercultural and social-professional components). The directions of the social-pedagogical accompaniment realization are explained in the context of necessity of strengthening attention to foreign students' socialization in HEI educational-cultural environment under conditions of higher education internationalization: Activity on training of environment representatives for the effective intercultural interaction with foreign students;*

*– activity on training of foreign students for self-organization in HEI educational-cultural environment;*

*– support of self-organization and self-education of foreign students as to the development of intercultural and social-professional components of their sociality.*

*The organizational forms of realization of social-pedagogical accompaniment directions are considered: seminars, round tables, master-classes, lectures-presentations, evenings, trainings, cultural assimilators, art-therapy, virtual excursions and so on. The attention is concentrated of the features of accompaniment introduction at different stages as to the work with foreign students as objects of accompaniment: adaption-motivational, integration-activity, individualization-self-realization as, correspondingly, social-pedagogical protection, socio-pedagogical help and support. The material of this article may be used in the work practice as to realization of social education of foreign students, direction of efforts of higher educational institutions on the increase of quality of foreign students' training in Ukraine*

**Keywords:** protection, help, support, sociality, experimental work

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DOI: 10.15587/2519-4984.2017.100417

## FORMATION OF TRANSDISCIPLINARY COMPETENCES IN DOCTORS

p. 38-41

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*During the third millennium the humanity faced the multilevel problems. Their solutions require specialists with new level of thinking. All the attempts to solve these problems on transdisciplinary level do not give the appropriate result, because usually specialists don't go further beyond the boundaries of their subject areas. Since 1970 the transdisciplinary approach has been developed, within the framework of which the scientific worldview is expanding, and problems are considered at several levels simultaneously without limitation, by the limits of any one scientific discipline. However, the methods of transdisciplinary competences forming in specialists still remain unclear. The authors suggested the usage of a group "circle" approach in the training of practicing doctors and interns, who are trained at the stages of postgraduate medical education and continuous professional development. The condition of pedagogical technology is that experts (lecturers) from different subject areas and trainees (doctors-specialists), collaborate while solving the problems. Within the "circle" the situation is analyzed on the physical, legal and psychological levels and the search for the most optimal solutions is performed. At the same time, doctors, Methodists, lawyers and psychologists create a common, transdisciplinary space that provides self-learning and mutual learning of all the participants. As a result:*

1) The technology of group inducing 'circle method' is offered at joint paroapanoo of experts of a different profile:

2) In the course of the wort participants significant expanded the horizons of their own knowledge:

3) The acquired skills enabled specialists to use the group method subsequently for integrating cognitive spaces and finding the causes of emerging problems at different levels.

**Keywords:** *multidisciplinary, transdisciplinarity, competence approach, group learning, circle method, integral interaction, post-graduate medical education*

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DOI: 10.15587/2519-4984.2017.100340

## DEVELOPMENT OF FOLK LIBRARIES-READING ROOMS IN KYIV REGION (END OF XIX – EARLY XX CENTURY)

p. 41-45

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*The article presents the phenomenological analysis of the notion "folk libraries-reading rooms" defined in historical-pedagogical literature as an important instrument of out-school education of population. The conclusion was made that just educational and public organizations were initiators and organizers of establishment and development of folk libraries-reading rooms. The experience of activity of the committee of care about people soberness, committee of literacy of district organizations in the work of folk libraries-reading rooms at the end of XIX – early XX century is characterized in the work. There was analyzed the activity of first reading rooms at teahouses in Kyiv region. As an example, there were presented the data about opening of the "Folk teahouse" at Lukyanivka. The archive material about the activity of Pavlenko folk simplified libraries was introduced into scientific circulation. The cultural-educational role of folk libraries-reading rooms in cultural life of pre-revolutionary Kyiv region was determined. The features of establishment and functioning of aforesaid libraries were revealed on the base of the analysis of archive sources.*

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**Keywords:** folk libraries-reading rooms, simplified libraries, district libraries, educational organizations

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DOI: 10.15587/2519-4984.2017.100418

## IMPACT OF PHYSICAL-HEALTH-IMPROVING ACTIVITIES IN OUT-SCHOOL SECTIONS ON THE HEALTH LEVEL OF PUPILS OF 5–6 CLASSES

p. 46–49

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*The aim of research is to determine the influence of sectional training in health-improving running on the health level of pupils of the middle school age.*

*28 pupils of 5–6 classes took part in the research. The duration of pedagogical experiment was 8 months. The activities took place 5 times a week: physical training 3 times, according to the learning program for secondary educational institutions, and pupils visited the section of health-improving walking and running 2 times, during 45 min.*

*The improvement of pupils' physical health was observed in the process of activities. It was revealed, that under the influence of health-improving running activities there took places the harmonious physical development, the economy of cardio-vascular system of organism increased, pulse at rest decreased. The mood, cheerfulness and mental working capacity increased.*

*The training in school section is a beginning of active life, good mood, health, study. The section of health-improving walking and running gives a possibility to compensate the motor activity in the structure of school children's motor regime, help to avoid hypodynamia and diseases*

**Keywords:** health-improving running, sectional activities, pupils, health level, physical-health-improving work, motor activity

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**DOI:** 10.15587/2519-4984.2017.100505

**POLITICAL AND ECONOMIC FACTORS AND PRE-SCHOOL EDUCATION IN POLAND AND UKRAINE**

**p. 50-55**

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*In the article the dependence of educational systems of Poland and Ukraine, including the pre-school education, from a political line-up are examined. The author presents basic educational documents, ratified by governments which had an influence on the reorganization of pre-school education: on the changing of types and forms of ownership of pre-school establishments, the change of maintenance of education, as well as the change of approach to the employment of teachers in the pre-school educational institutions. The statistical data has been stored. They showed quantitative changes in Polish and Ukrainian pre-school educational establishments during 2000–2015. It is admitted that concerning changes in Poland and Ukraine have caused the reduction of the amount of pre-school educational establishments, and also the amount of children in them. It is revealed in the research that the downfall tendency in the institutions of pre-school education in the last years has been halted. On the basis of analysis of scientific sources and reference books the author came to the conclusion that on changes in the pre-school establishments of Poland and Ukraine political and economic factors had had an influence*

**Keywords:** system of education, pre-school education, legislative documents, quantitative and quality changes, political and economic factors

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