ӘЛ-ФАРАБИ атындағы ҚАЗАҚ ҰЛТТЫҚ УНИВЕРСИТЕТІ

КАЗАХСКИЙ НАЦИОНАЛЬНЫЙ УНИВЕРСИТЕТ имени аль-ФАРАБИ



РОӘК ОӘБ отырысы аясындағы «УНИВЕРСИТЕТТЕРДЕГІ БІЛІМ БЕРУ БАҒДАРЛАМАЛАРЫНЫҢ ЭКСПОРТТЫҚ ӘЛЕУЕТІН ЖӘНЕ БӘСЕКЕГЕ ҚАБІЛЕТТІЛІГІН АРТТЫРУ» атты 47-ші ғылыми-әдістемелік конференциясының МАТЕРИАЛДАРЫ

26-27 қаңтар 2017 жыл

3-кітап

МАТЕРИАЛЫ 47-ой научно-методической конференции «ПОВЫШЕНИЕ КОНКУРЕНТОСПОСОБНОСТИ И ЭКСПОРТНОГО ПОТЕНЦИАЛА ОБРАЗОВАТЕЛЬНЫХ ПРОГРАММ УНИВЕРСИТЕТОВ» в рамках заседания УМО РУМС

26-27 января 2017 года

Книга 3

Алматы «Қазақ университеті» 2017

Mukanova G.K., Abdyhadyrova A. METHODS «LEARNING BY DOING» OR HOW TO HELP DOCTORAL Mussiraliveva Sh. APPLICATION OF MEDIS PROJECT METHODOLOGY for AUTOMATION and CONTROL E.B., Lun 3 Strautman L.E., Gumarova Sh.B. CONTRIBUTION OF THE TEACHERS OF ENGLISH TO THE SUCCESSFUL RUEP 4 ЕЛИА Zhussupova A.I., Zhussupova G.E., Shalakhmetova T.M., Ibrayeva G.Zh, M.K. Zhussupova I., Chunetova Zh.Zh., Shulembaeva K.K., Tokubaeva A.A. INTEGRATION OF SCIENTIFIC-MTY Абдулкаримова Р.Г., Мансуров З.А. СОЕДИНЕНИЕ ОБРАЗОВАНИЯ, НАУКИ И ИННОВАЦИИ ПРИ ---- 10 OKY **IAHY** Абдықалықова Р.А., Воробьева Н.А., Үркімбаева П.И., Тумабаева А.М., Кенесова З.А. КӨПТІЛДІ БІЛІМ БЕРУ ҚАБІЛЕТТІ МАМАНДАРДЫ ДАЙЫНДАУДАҒЫ КОММУНИКАТИВТІ БӘСЕКЕГЕ НЫЕ Аймаганбетова О.Х., Баймолдина Л., Байшукурова А.К., Ахтаева Н.С., Махмутов А.Э. ПРОЕКТНЫЙ МЕТОД -...... 15 EHUR Айташева З.Г., Джангалина Э.Д., Лебедева Л.П. ГЛОБАЛЬНЫЙ КОЭФФИЦИЕНТ ИННОВАЦИОННОСТИ 17 19 TTBIK Айташева З.Г., Калимагамбетов А.М., Жумабаева Б.А. РЕЗЕРВНАЯ ДВИЖУЩАЯ СИЛА ОТЕЧЕСТВЕННОЙ SCP1: Акбаева Д.Н., Ешова Ж.Т. ИСПОЛЬЗОВАНИЕ ПОЛИЯЗЫЧИЯ В МЕТОДИЧЕСКОМ ОБЕСПЕЧЕНИИ ДИСЦИПЛИНЫ «ОСНОВНЫЕ ПРОЦЕССЫ И АППАРАТЫ ХИМИЧЕСКОЙ ТЕХНОЛОГИИ» 101 TEME Аликбасва М.Б., Тунгатова У.А. КОС ДИПЛОМДЫ БІЛІМ БЕРУДІҢ АРТЫҚШЫЛЫҚТАРЫ МЕН27 лЕЙ: Алтаев А.Ш., Султангалиева Г.С. ПУТИ ПОВЫШЕНИЯ КОНКУРЕНТОСПОСОБНОСТИ ВЫПУСКНИКОВ – ИСТОРИКОВ В ПРОЦЕССЕ ИНТЕРНАЦИОНАЛИЗАЦИЯ ВЫСШЕГО ОБРАЗОВАНИЯ......107 ния: Алтаев А.Ш., Султангалиева Г.С. ИНТЕГРАТИВНЫЙ ХАРАКТЕР И УРОВНИ МЕНЕДЖМЕНТА В ПОВЫШЕНИИ ПЕДАГОГИЧЕСКОГО МАСТЕРСТВА СТУДЕНТОВ 109 AHHE Артемьев А.М., Жакупова А.А., Плохих Р.В., Абдреева Ш.Т., Глезденева О.В. РЕАЛИЗАЦИЯ СОВМЕСТНОЙ RIGHA МАГИСТЕРСКОЙ ОБРАЗОВАТЕЛЬНОЙ ПРОГРАММЫ ДВУДИПЛОМНОГО ОБРАЗОВАНИЯ ПО СПЕЦИАЛЬНОСТИ «ТУРИЗМ» КАЗНУ ИМЕНИ АЛЬ-ФАРАБИ И РУДН В РАМКАХ СЕТЕВОГО 36 AHMIA Арыстанбекова Қ.Д., Қошымова А.О. ОҒЫЗДАРДЫҢ КӨРШІ ХАЛЫҚТАРМЕН БАЙЛАНЫСЫН ІНДА ОҚЫТУДЫҢ ӘДІСТЕМЕЛІК МӘСЕЛЕЛЕРІ 114 Асилова А.С. ОҚУ ПРОЦЕССІНДЕ ДӘРІС ЖҮРГІЗУДІҢ ИННОВАЦИЯЛЫҚ ДАМУЫ...... 117 АЛЫ Аскарова А.С., Болегенова С.А., Болегенова С.А., Шортанбаева Ж.К., Zivile Rutkuniene СТРАТЕГИЯ 45 РЕАЛИЗАЦИИ СОТРУДНИЧЕСТВА КАЗНУ ИМЕНИ АЛЬ-ФАРАБИ И КАУНАССКОГО ТЫН 46 Аскарова М.А. Сагымбай О.Ж. КРЕАТИВНОСТЬ КАК КОМПОНЕНТ ИННОВАЦИОННОГО ОБРАЗОВАНИЯ RNITE ИЗУЧЕНИИ ДИСЦИПЛИНЫ «ГЕОГРАФИЧЕСКИЕ ОСНОВЫ УПРАВЛЕНИЯ ПРИ MEPE Аубакирова Ж., Айтбембетова А. О ПРЕПОДАВАНИИ ЭКОНОМИЧЕСКИХ ДИСЦИПЛИН В51 JE H Ахтаева Н.С., Хворост К, Нажемидин А., Аймаганбетова А.Х. СВЯЗЬ НАУКИ, ОБРАЗОВАНИЯ И 53 ИННОВАЦИИ В ПРОЦЕССЕ ОРГАНИЗАЦИИ ЗАНЯТИЙ 124 **BIHA** Әлкебаева Д.А. ҚАЗАҚ ТІЛ БІЛІМІ ЖӘНЕ КӨПТІЛДІЛІК БІЛІМ БЕРУ САПАСЫНЫҢ МАҢЫЗЫ НЫХ Әмір Р.С. «ҚАЗІРГІ ҚАЗАҚ ТІЛІ» ПӘНІН ОҚЫТУ ҮСТІНДЕ СТУДЕНТТЕРДІ КРЕАТИВТІК --- 57 Байшукурова А.К., Ахтаева Н.С., Аймаганбетова О.Х., Сатыбалдина Н.К., Басыбекова К.Е. ОСОБЕННОСТИ 5...62 РЕАЛИЗАЦИИ ПРИНЦИПА «ОБРАЗОВАНИЕ В ТЕЧЕНИЕ ЖИЗНИ» В ПСИХОЛОГИЧЕСКОЙ НАУКЕ И Баудиярова Қ.Б. ЖҰМЫС БЕРУШІЛЕРДІҢ ТАЛАПТАРЫНА СӘЙКЕС МУЗЕЙ ІСІ МАМАНДАРЫН 65 MING 67 Баяндинова С. М., Сыдықова П. Н. ТУРИЗМ МАМАНДЫҒЫ БОЙЫНША СТУДЕНТТЕРДІҢ ЫНТАЛАНУЫН ISTIC. Бергенева Н.С., Сатарбаева А.С., Жуманова Г.С., Исанбскова А.Т. ЕКІ ДИПЛОМДЫҚ БІЛІМ БЕРУ -..... 69 «ҚОРШАҒАН ОРТАНЫ ҚОРҒАУ ЖӘНЕ ӨМІР ТІРШІЛІГІНІҢ ҚАУІПСІЗДІГІ» САЛАСЫНДАҒЫ AGE 71 МАМАНДАРДЫ ДАЯРЛАУДАГЫ ИННОВАЦИЯЛЫҚ ТӘСІЛДЕМЕ 136 73

*

company to Medis project results. 15 students which learned all 5 Medis courses are working on Lab company now. The results which were discussed during the Workshop "Formation of highly qualified eng IIDSP-2" published as a Proceedings of the first international practical workshop for company NPIID-2 [5].



Figure 5. Summer school at Sant-Petersburg Polytechnic University

References:

1. Welcome to MEDIS. 2015. Retrieved from www.medis-tempus.eu.

2. ABET. 2012. Criteria for accrediting engineering programs. Retrieved 03-21-12 from http:// DisplayTemplates /DocsHandbook.aspx?id=3143.

3. Hassan Mohamed Houcine and others "A Hybrid Structured Methodology for Developing Con Industrial Computer Systems" International Conference on Frontiers in Education (FECS). Las Vegas (EE.UU.

4. Houcine Hassan Mohamed and others "An innovative proposal for the Industrial Informatics International Conference on Engineering Education (ICEE). Valencia (Spain) July 2003

5. Book: "Proceedings of the first international practical workshop for company NPIID-2", Almaty 978-601-04-2547-7)

Strautman L.E., Gumarova Sh.B.

CONTRIBUTION OF THE TEACHERS OF ENGLISH TO THE SUCCESSFUL IMPLEMENTATION THE PROGRAM "100 CONCRETE STEPS"

According to the new presidential program "100 concrete steps" Kazakhstan is planning a phased teaching some subjects in the English language in high schools and universities. In November 2015, adopted the 2020 Trilingual Education Road Map.Beginning from 2019-2020 academic year the subjects "Technology", "Chemistry", "Biology" and "Physics" will be taught in English.Kazakhstani students in the will soon be taught classes in English, This is provisioned by the new presidential program "100 concrete phased transition to English language in the education system will be taking place in high schools and universities to improve the competitiveness of graduates and increase the export potential of the education is stated in the document [1].

Introduction of the trilingual system of education in Kazakhstan requires intensification of efforts in l teaching the English language. It should be noted that the multi-language education program implemented is a unique and, unlike its Western analogies, implies a parallel and simultaneous training in three lang effective higher education system is a core element of a successful society and economy. "We are increase introduction of trilingual education. This is not a fiction, it is not a wish of someone, it is a necessity. All Kazakhstani citizens speak English, and the knowledge of three languages is a pass to the global life, it is success in life. In the global world our children will be citizens of our planet – they will have to work even they must be like a fish in water in a complex world," these are the words of the President of Kazakhstan.

The task of universities is to train specialists who will be able to teach science in school in Erframework of the program the courses were organized for the university teachers of Physics (5B011000) (5B011300) in compliance with the experience of basic higher education institutions of SPIID and State program. The course program included on-line teaching. The teachers attended 240-hour courses English (Farabi University Institute of educational development and professional improvement within the framew training program of pedagogical personnel, and passed the exams according to their level. It was contribution to the improvement of the level of English of the university teachers and professors.

How is the problem of training present-day high-qualified specialists solved by the teachers of English?

age. At the fir of translation to teachers of ordination to the ordination the ordination of the organization with the denordination on the denordination of the den-

in methodologi in methodologi inset inter the much in technic inset inset inset inset in technic inset inset inset inset in technic inset inset inset in technic inset inset inset inset in technic inset inset inset in technic inset inset inset in technic inset i

The new education module most stor of Technic technic in the instruof Sector Therefore

but also but also materials with potimizin but optimizin but the textbool

questions a multiment Engli In my practice

ther task is to seneral how both the specific lectures and oses. We pro House.

a manufacture and

In equal to R sub or Linear P sub two, w

ive this problem i ive this problem i our classes. T ive do not comp ive there have bi ive bi

80

in Labwork at Elm ied engineers with D-2 [5].

p://www.abct.org

Computer-hasod EE.UU.) 2012 matics subject"

y. 2016 (ISBN

VTATION OF

d transition lu 5, Kazakhstan s "Information upper grades ete steps." "A iversities. The ation sector,"

learning and n Kazakhstan lages [2]. An g the pace of cady 20% of is a base of ywhere, and

glish. In the and Biology assignment urses at A1of intensive important

The program of our university has the course of professionally-oriented English instead of the course of general At the faculty of Physics & Technologies, at the lessons of English we introduce more and more physics in exof translation of real scientific texts, making presentations and even student's conferences in English.

The teachers of the department of foreign languages of Al-Farabi Kazakh National University are making their but on to the solution of this problem. One of the directions is application of new advanced methods in teaching in the conditions of limited number of hours. They include usage of tests similar to the TOEFL tests that will be mid in their further exams, watching video-lessons provided by the American teachers of physics and preparation of excises for such video-lessons as well as fulfillment of several project works during the semester. A lot of attention is to the organization of self-study work of the students. The limited number of hours makes it necessary to search for is most suitable material and new strategies which would improve the efficiency of its usage. The key factor is the mores to the demands of the new educational environment when more and more English-speaking scientists reading latures on physics in English come to the University and new disciplines in English are included in the curriculum.

Optimization of the educational process implies obtaining maximal results in the conditions of the limited number of disponsible to the system hours. As an object of optimization we will consider the course of English for Professional Purposes. The bet of technical English was defined by Peter Strevens [3], "Technical English uses little of general, philosophical g even methodological concepts; the special terminology used relates chiefly to concrete objects and practical processes, rather than to abstractions; quantification is mainly a matter of stating measurements rather than the embolisation of mathematical relationships; there is a good deal of non-scientific or "common-core" English respersed in technical texts."The assumption underlying this approach was that the clear relevance of the English course to their needs would improve the learners' motivation and thereby make learning better and faster." This purpose of making learning "better and faster" is a driving force of all applications of new technologies and methodologies. In his report we will discuss some problems of teaching professional English in terms of increasing efficiency of this

The new educational environment requires the development of new approaches to teaching technical English. At the present time most students starting the course of professionally-oriented (technical) English have as prerequisites Preintermediate levels of English File or Headway courses. To reorientate students from the course of General English to the course of Technical English means to reorientate them from Colloquial Language to Academic Language. For example, in the instructions to Interactive exercises for English Files the language that is taught is defined as tolloquial". Therefore, we have to explain the students the difference between "colloquial" and "academic" language.

Systematization, introduction of tables, charts and graphs becomes an integral part of not only the textbooks on exact sciences but also the humanities. Visual presentation of grammar rules in the form of tables and diagrams significantly improves the digestibility of the studied material. Producers of educational materials in the market felt the need for such materials and began to produce a variety of benefits in the form of brief tables that are in high demand among students. With a limited number of classroom hours the use of tables, charts and graphs is a necessary component in optimizing the learning process. No doubt the fact that the tables for various grammatical structures can be found in textbooks, however, in the translation of scientific texts, we are faced with a problem that has not been reflected in the textbooks as a systematic presentation of the material.

A lot of questions arise when students translate concrete values and ways of expressing them from Russian into English and from English into Russian. Here are some examples that seem very simple, but difficult to translate even for the already practicing translators.

The other task is to teach students how to read mathematical formulas. Usually, having as prerequisites the extbooks on General English, the students simply skip formulas and go on reading. There are practically no textbooks that teach students how to read formulas and the available listening material both from the courses of General English and English for Specific Purposes does not provide this information. We have to provide students with the ability to understand lectures and presentations in English and to make reports. There are some applications that can be used for these purposes. We provide some of such information in our educational manuals published in the University Publishing House.

As an example we can provide the following material:

$$M = R_1 x - P_1 (x - a_1) - P_2 (x - a_2)$$

M is equal to R sub one multiplied by x minus P sub one round brackets opened, x minus a sub one, round brackets closed,minus P sub two, round brackets opened, x minus a sub two, round brackets closed. $N_{\rm L} = K \frac{1}{e^3/kT-1}$ N sub 1 is equal to K, dash, one dividedby e to the power of epsilon i-th by kT minus one.

To solve this problem it is necessary to have audio and video material that enables students to listen to the lectures. Nowadays the Internet provides an unlimited choice of such a material. The main problem is to find the material relevant for our classes. There are many lectures of university scientists, Nobel laureates and other famous people. However, they do not comply with the purpose - to get "better and faster" results.

Recently, there have been numerous academic discussions of the problem of interdisciplinarity. Interdisciplinary pedagogical practice allows the teacher to cross the traditional boundaries of discipline-centered teaching by using two or more academic disciplinesInterdisciplinary teaching is a method, or a set of methods, used to teach a unit across different curricular disciplines. There are many different types, or levels, of interdisciplinary teaching. The most common method of implementing integrated, interdisciplinary instruction is the thematic unit, in which theme is studied in more than one content area.

Integration of Physics and English helps students in the formation of the following competencies:

-the ability and willingness to use physical terms in the English language;

- the ability and willingness to apply physical laws to solve problems and explain them in English;

- the ability and willingness to translate technical terms from a foreign language.

It is necessary to use new approaches to teaching technical English. To be competitive in this field it is include into work with specialized texts not only reading, translation and memorizing words, but also wate presentations, listening to oral explanations of formulas, learning of physical units of measurements and activities arising more active students' participation in classroom activities. The choice of video mater classroom was limited by the range of themes studied by the students and the level of their knowledge of one of the articles on interdisciplinary approach to teaching master students. We tested the possibility of the lectures, but it turned out to have too disadvantages. The first one is the complexity of the subjects the lecturers, the second one is the level of English. Therefore we came to the conclusion that it is more in the texts and video close to the studied subjects.

References:

1. Сто конкретных шагов президента Н. Назарбаева www.zakon.kz%2F4713070-sto-konkreture prezidenta.html

2. Трехъязычное образование будут развивать в Казахстане http://meta.kz/novosti/kazaklue/ trehyazychnoe-obrazovanie-budut-razvivat-v-kazahstane.html.

3. Strevens, P. "ESP after twenty years: A re-appraisal." ESP: State of the Art. Ed. M. Tickoo. Singaport 1-13.

4. Popova N.V., Stepanova M.M. An interdisciplinary approach to teaching a foreign language in master courses // Proceedings of the Second International Scientific Conference "Actual problems of education." Stavropol: NCSTU, 2010.

Tolesh F. INTERNATIONALISATION OF HIGHER EDUCATION IN KAZAKHSTAN

This paper discusses the process of internationalisation of higher education in Kazakhstan. The high internationalisation is the effect of globalization, which means, increased exchange of policies, ideas, Internationalisation is one of the aims of higher education reforms in Kazakhstan through increased academu promotion of the English language, more intensive international cooperation and the best education policy and implementation. However, the main focus of this paper is on one aspect of higher education internation which is study abroad.

Globalization, according to Maudarbekova & Kashkinbayeva (2014) has generated the establishment of economic, political and cultural connections among the nations of the world and education is not immune process of internationalisation. Moreover, Waldinger & Fitzgerald (2004) believe that "at the turn of the 2 globalization is the order of the day" (p.1), that is, almost all aspects of present-day life, is being information increasing speed and easiness of communication, information exchange and interconnection that leads interdependence and interrelation of states, regions, industries, different fields of life, society, and individual other. Adey agrees that "we simply cannot ignore that the world is moving a bit more than it did before" Mosneaga, 2014, p. 90). Rivers (2010) refers to Knight, Ninomiya, Watanabe, who argue that g stimulating new developments in communication technology in order to meet increasing interaction be communities with different languages, cultures and behaviours, moreover, diversity is being considered as concept of globalization that leads to internationalisation, a term which is highly relevant to higher editors institutions all over the world, which are trying to adapt and adopt to the increasing importance of instance dimension of higher education and developing with new demands and opportunities (p. 441). Gunuz also same conclusion and cites Nye who defines globalization as: "a state of the world involving interdependence-networks of connections and multiple relations - at multi-continental distances" (as cited and 2011). This definition of Nye, Gunuz views as a description of increasing interconnectedness of the walk of the second se common language, common standards of professionalism where people are tolerant to different cultures and and work in intercultural environments, which, in his opinion, drives higher education to internationalization young people need to have the best possible education in any place in the world, so that after graduation being compete in the global labour market (Gunuz, 2011). Lucas (1988) indicates education as a major determination term growth, with whom Robertson agrees saying that "the focus on knowledge as the key motor for the normal has placed education at the centre of policy and politics" (as cited in Mosneaga, 2014, p. 92). Knight is added as one of the prominent scholars in the field of internationalisation of higher education studies, who state the 1990s witnessed a sharp increase of internationalisation activities, such as the flow of students and international collaboration on education programmes and establishment of overseas campuses (as cited in Harrow p. 306), then she described the internationalisation of higher education as "the process of integrating an integrating and integrated and integrated and integrated and integrated and integra intercultural, and global dimension into the purpose, functions (teaching, research, and service), and delivery education at the institutional and national level' (as cited in Chan, 2013, p. 316). During the last several decades point that tracenation is a community from issuing the world's formatia, 2004, p minimum former all informents for allow into a to turit results plift, p. 892

Connet (2012) or organic Personnalise access Interminants (

A particular and an an examination of the America with the or mational echanics and or echanics in

Altering different Altering different commutations found commutations for direct thankholarin people altering of the second indirected as rate of complex invest informatical design of the complex invest informatical design of the second doted as a the second doted as a the second do-

such annual ci of the many has be remotion of maber of the field of the many and glo of the field of the fi

Dumon capital transping account condeput country transformed skill (Kon 1998; Saga

and diversion of the second se

mental about the foreverse, recent