

# Information Technologies in Education

## E- Learning Methodical Complex for the Discipline “English For Specific Purposes ”

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**Abstract:** In this article the concept of an electronic educational-methodical complex (e-EMC) as an important tool for teaching methodologies in various disciplines, including the overall purpose and content of a subject or course, didactic processes, and forms of organization for training of the specialists for IT sphere is considered. Components and structure of the e-EMC are proposed and described in details.

**Keywords:** electronic educational and methodological complex (E-EMC), components and structure of the complex, tasks, tests, exercises, curriculum, syllabus.

New Uzbekistan Development Strategy for 2022-2026 along seven priority areas in 2022-2026 marked a qualitatively new approach to the system of strategic planning of education and science development in the country. Goals 46-50 of the Development Strategy of Uzbekistan are aimed at the development of higher education and include the following:

- goal 46: increase the level of coverage with higher education to 50% and the quality of education;
- goal 47: targeted preparation of 10 potential higher education institutions to enter the QS and TNE international ratings by 2026;
- goal 48: building student residences with about 100,000 beds;
- goal 49: to increase the number of non-governmental higher education organizations to at least 50 by 2026;
- goal 50: to double the number of sending free and creative thinking young people to prestigious foreign universities through the "El-Yurt Umid" fund, training 50% of young people in technical, exact subjects and IT fields.

As mentioned above, special attention paid to personnel policy and higher education in Uzbekistan, reforms in education, and the country's efforts to improve the quality of higher education to meet the requirements of leading countries require creating of a new model in education with systematic self-control capability acting independently taking into account development of students' personal abilities and professional interests as well as their professional orientation. [1].

Creation of the targeted model requires adequate methodical ware. For this purpose it is desirable to create and introduce an electronic educational-methodical complex (e-EMC) for certain subjects and courses.

One of the main directions of informatization and modernization of higher education is the creation of various electronic tools that will complement the topics provided by the e-learning materials. In this context, the creation of an electronic educational-methodical complex (E-EMC) as an important tool for teaching methodologies on the discipline “English for specific purposes” at non- philological higher educational establishments, including the overall purpose and content of a subject or course, didactic processes, and forms of organization the teaching, learning and assessment system is described.

It is necessary to point out that e- educational-methodical complex is intended to be an effective tool for students to master the subjects and organize independent work. [2].

E- educational-methodical complexes can be presented as multimedia courses, presented in digital and analogical form, consisting of a set of structured didactic units, logically interconnected with all the components of the learning process. [3].

Thus, e- educational-methodical complexes can be defined as a collection of educational materials, which are included in the curriculum and provided in electronic media, contributing to the effective learning in the preparation of students for specialization.

The e-Educational Methodological Complex for ESP (English for specific purposes) developed by the staff of Foreign languages department of Tashkent university of information technologies named after Mukhammad al Kwarizmi is designed as an auxiliary tool for students to learn English and to systematize and apply the gained knowledge in science and focused on the formation of students ability to apply their knowledge in practice.

This e-Educational Methodological Complex (e-EMC) comprises a curriculum, syllabus, theoretical materials, practical tasks, a list of recommended literature, glossaries, self-monitoring tests and others.

Creating an e-Learning Methodological Complex (e-EMC) is of particular importance as it provides a comprehensive approach to addressing key didactic issues. The results of the analysis of the scientific and pedagogical literature show that logical design is important in the creation of electronic learning-methodological complexes.[3–5].

The creation of e-EMC can be divided into the following stages:

- development of a syllabus included in the curriculum of a discipline on a specific specialty or direction of study.
- development of lesson plans for practical training in accordance with the calendar plan, selection of necessary audio and video materials;
- formation of documents of educational methodical complex;
- creation of technical support of educational methodical complex;
- testing of the educational methodological complex during the educational process;
- updating the content by revising the materials of the e-EMC and making the necessary changes.

Currently, there are many types of electronic educational methodical complex of relevant subjects. It is possible to propose the structure of the following electronic educational methodical complex for the discipline "English for specific purposes":

1. creating a curriculum on the subject "English for specific purposes for IT students;
2. development of methodological recommendations for the study of "English for Specific Purposes (ESP) or IT students"; it contains a set of recommendations and explanations that will help the student to properly organize the process of independent study of this subject. Methodological recommendations may:
  - contain the necessary tips for the proper distribution and organization of the time required for studying discipline;
  - describing the sequence that should be followed in mastering the subject;
  - recommendations on the use of materials of the electronic educational methodological complex электрон;
  - recommendations on working with special scientific literature;
  - recommendations on preparation for current, intermediate and final controls;
  - explanations about doing homework and working on tests
3. educational methodical materials, including materials for practical exercises, independent work and other types of control;
4. dictionaries and glossaries of terms used as auxiliary tools; such dictionaries and glossaries should include all terms related to the field of study encountered in the study of the discipline; terms can be listed by topic or in alphabetical order;
5. forms of current, intermediate and final control. In this section, it is appropriate to highlight the following:
  - reading comprehension, examples of writing types;
  - options for control work, practical exercises, topics for discussion of problematic situations, case studies, tests. (the materials should consist of a set of tasks that will help to determine how much students have mastered certain topics according to the curriculum sections);
  - control questions for each topic separately and for the whole discipline;

It is worth noting that the last section of the e-learning methodological complex is related to the organization of independent work of students, because the controls are related to the study and research of

students. The fact that tasks on the subject are closely related to independent work topics, on the one hand, activates the work of students, and on the other hand, serves to increase the quality of education..

In conclusion, it can be said that electronic educational-methodological complex (e-EMC) can :

- appear as a systematic methodological support of the educational process, and this is its most important task in the study of certain subjects;
- integrate various didactic tools into a single base in the implementation of teaching and educational goals;
- not only determine the requirements of the studied subject, but also reveals the requirements for studying the subject, training specialists and help students to implement them in the future specialty;
- contribute to the development of the creative potential of professors, and also serve to collect new knowledge, innovative ideas and developments. [2].

Thus, the composition and structure of the e-educational- methodical complex "English for Specific purposes (ESP)" can be an indispensable methodological tool in the process of forming the preparation of graduates in training of specialists for the future profession.

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