

РОЗДІЛ II.
ПРОФЕСІЙНА ПІДГОТОВКА МАЙБУТНІХ ФАХІВЦІВ
У ЗАКЛАДАХ ВИЩОЇ ОСВІТИ

THE METHOD OF CREATING A MODERN TRAINING MANUAL
FOR THE TECHNICAL DISCIPLINE

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According to the Law of Ukraine «On Higher Education», educational and methodological documentation, educational and scientific literature are included in the scientific and methodological support of an educational discipline [1]. In accordance with crediting requirements for educational services, institutions of higher education provide for the mandatory use of educational and methodological and information support of higher education - educational and reference publications, which are intended to help students master a certain discipline. To educational and methodical publications include: study guide, teaching and methodical guide, textbook, methodical recommendations, lecture notes, workshop, etc. The study guide is one of the learning tools that helps to master the educational component, including independently.

The purpose of the work is to develop conceptual approaches to creation and the development of a modern study guide for students of the specialty 182 Technologies of consumer industry from the specialized discipline of Technology of sewing products.

Currently, the development of electronic educational and methodical publications is a popular field of activity due to the presence of a significant number of advantages of such a learning tool [2, p. 285, 3, p. 163]. On the educational electronic literature market, one can observe a significant number of electronic textbooks on general education subjects for primary and secondary school students [4], however, such developments are very limited for narrowly specialized professional subjects in the system of higher education. Therefore, the creation of a modern study guide on a professional discipline for students of higher education is a rather urgent task.

The Ministry of Education and Science of Ukraine has developed methodological recommendations for higher education institutions regarding the creation of teaching aids and textbooks, which define the requirements for their structure, content, and scope [5, p. 1]. According to these recommendations, in the process of creating a modern

electronic the following stages of development were worked out by the authors of the training manual:

- definition of the purpose of the work and the main tasks, namely: the developed study guide is intended for the study of Chapter 1 of the specialized discipline Technology of sewing products for students of the first bachelor's level of higher education in the specialty 182 Technologies of consumer industry;
- development of the structure of the training manual – creation of general content, division into sections, subdivisions, points, establishment of connections between them;
- filling sections with content;
- supplementing the textual part of the training manual with figures, tables, diagrams;
- creation of applications with reference information and technical documentation with enterprises of the fashion industry;
- creation of questions bank at the end of each topic for self-checking of knowledge level of assimilation by the student;
- forming a list of used literary sources;
- approbation of work results in the process of studying of professional discipline;
- adjusting the content of the textbook after approval.

When creating a modern educational manual, the authors used new and progressive IT-technologies (Fig. 1*a*):

- added elements of infographics, icons, individual parts of the text are highlighted in different fonts and colors to activate the student's cognitive activity, increase visual and emotional memory (Fig. 1*b*, 1*c*);
- entered QR codes (for the printed edition) and hyperlinks (for the electronic version of the textbook) to video materials placed on Google Drive, which contributes to the growth of the student's cognitive interest and motivation to study (Fig. 1*d*);
- test tasks for the discipline were developed for the possibility of self-checking the level of knowledge assimilation by the student online through the Moodle system;
- interactive content has been created, which provides a quick search for topics.

As a result of the work of the authors team, a modern training manual (electronic and printed versions) [6] was created, which consists of several main sections. The introduction contains a brief description of the structure of the manual, the basic knowledge, abilities and skills that students should master as a result of learning the presented material. Each section is devoted to a description of the work of one sewing

workshop. The text part is supplemented with visual components in the form of drawings, graphs, charts, tables, videos, links to external information resources. The book supplement contains examples of production design and technological documentations, background information of sewing enterprises in the fashion industry, etc.

The task of intensification of professional and practical knowledge, abilities and skills of future specialists in the developed training manual is solved by a harmonious combination of theoretical issues with numerous examples of their application in the professional field.

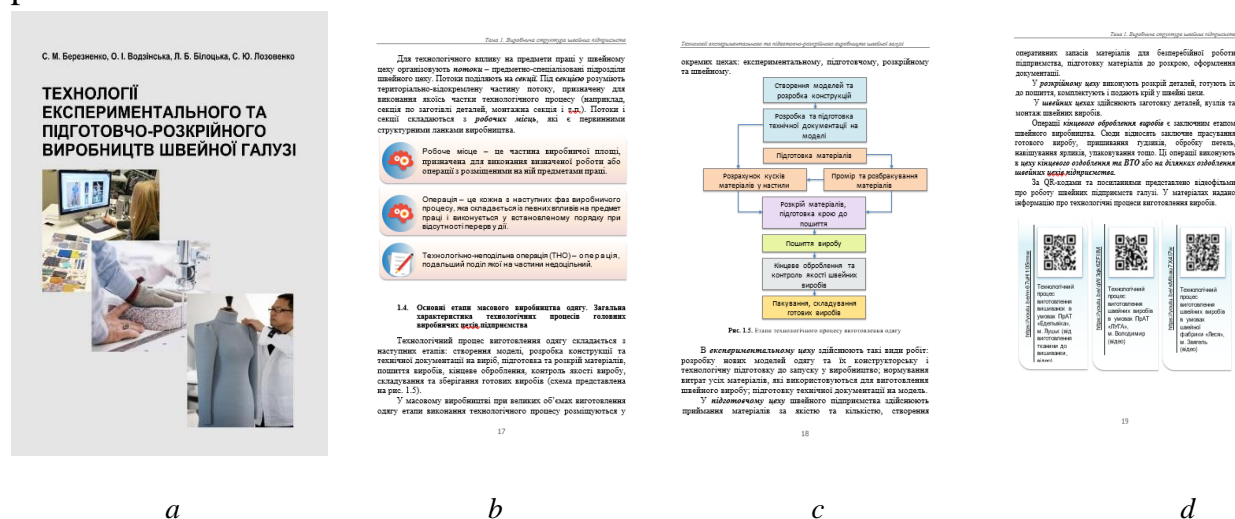


Fig. 1. Fragments of the study guide [6]: *a* – title page page, *b* – infographic elements; *c* – application of color and schemes; *d* – QR codes and links to video materials

Created by the authors the textbook is certainly relevant in the modernization of the educational process in higher education institutions, both because of its uniqueness and because of the proposed effective, interesting and convenient tools for acquiring knowledge, skills and abilities.

The guide allows you to solve the following tasks:

- to increase students' motivation during studying the discipline;
- to facilitate the acquisition of large volumes of technical information;
- to increase in teacher and student productivity;
- to digitize of education in the conditions of online learning;
- to provide of convenient tools for studying the discipline, access from any mobile devices, as well as the use of a paper version;
- to provide conditions for independent work of students;
- to create an individual learning trajectory for students by choosing the place of study and time;

- to create of conditions for mastering information in difficult conditions (pandemic, wartime, etc.);
- to ensure inclusiveness of education for persons with special needs;
- to present of the latest information on the discipline;
- constantly to update of the electronic version.

Currently, the training manual is being tested in the conditions of the educational process at the Kyiv National University of Technology and Design. A perspective in the process of further work in this direction is the creation of an electronic textbook that would cover the entire course of the Technologies of Sewing Products discipline, and additionally provide elements of virtual reality, a high degree of student interactivity, the presence of «live» lectures, author's videos, an active dictionary of terms, a hypertext structure educational material.

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