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ENHANCING PROFESSIONAL ENGLISH COMPETENCE OF PHARMACY STUDENTS THROUGH ESP METHODOLOGY

Tashtemirova Mufassal Alidjanovna

mufassal.salieva@bk.ru

Tashkent Pharmaceutical Institute

Abstract

This article analyzes the effectiveness of the English for Specific Purposes (ESP) methodology in developing the professional English competence of pharmacy students. The relevance of the research is determined by the globalization of the pharmaceutical industry and the transition to international standards such as GMP and GLP. The paper highlights the role of needs analysis, the use of authentic materials, and communicative teaching methods. The results indicate that, compared to traditional grammar-based approaches, situational case studies and terminological systematization significantly improve students' skills in drug production, quality control, and patient communication. The article concludes with practical recommendations for improving curricula in pharmaceutical higher education institutions.

Key words: ESP, Pharmacy Education, Professional Competence, Needs Analysis, Medical Terminology, Curriculum Design, Pharmacovigilance, Pedagogy, Authentic Materials, Communicative Language Teaching, Higher Education, Pharmaceutical Industry, Language Proficiency, Intercultural Communication.

The contemporary landscape of pharmaceutical education is undergoing a seismic shift due to the rapid integration of global scientific standards and the overarching dominance of English as the universal medium of pharmacological discourse [1]. The necessity for enhancing professional English competence among pharmacy students is not merely a linguistic challenge but a strategic imperative that aligns with the requirements of the International Council for Harmonisation (ICH) and Good Manufacturing Practice (GMP) guidelines [2]. In this context, English for Specific Purposes (ESP) emerges as the most effective pedagogical methodology, as it moves beyond the superficial boundaries of general language acquisition to address the complex semiotic and cognitive needs of the pharmaceutical profession [3]. Traditional English as a General Purpose (EGP) models often fail because they treat language as a static set of rules rather than a dynamic tool for professional mediation, whereas ESP focuses on the "discourse community" of pharmacists who must navigate high-stakes environments such as drug discovery, regulatory affairs, and clinical pharmacy [4]. The theoretical framework of this study is grounded in the "Needs Analysis" paradigm, which asserts that the syllabus must be derived from the actual communicative tasks performed by pharmacists, ranging from reading complex monographs in the British Pharmacopoeia to participating in international multi-center clinical trials [5]. Furthermore, the globalization of the pharmaceutical supply chain means that even local pharmacists must now interact with international databases like PubMed and the European Medicines Agency (EMA) website, necessitating a high level of technical literacy in English [6]. This initial phase of the research highlights that professional competence is a multi-dimensional construct involving linguistic accuracy, sociolinguistic appropriateness in patient-provider interactions, and the ability to decode dense scientific jargon that defines the modern apothecary's work [7].

The methodological core of enhancing English proficiency in the pharmacy sector involves a fundamental transition from traditional rote memorization and grammar-translation methods toward highly integrative frameworks such as Content and Language Integrated Learning (CLIL) and Task-Based Language Teaching (TBLT) [8]. This pedagogical shift is not merely a change

in teaching technique but a total restructuring of the educational environment where language is acquired through the lens of pharmaceutical science. The essence of this shift is characterized by the systematic use of "authentic materials"—real-world documents that professionals encounter daily, such as Material Safety Data Sheets (MSDS), Summary of Product Characteristics (SmPC), clinical trial protocols, and Adverse Drug Reaction (ADR) reporting forms. These documents serve as the primary vehicles for both scientific and linguistic instruction, allowing students to decode complex syntax while simultaneously internalizing critical safety information and regulatory standards [9].

The research methodology utilized in this study involved a longitudinal analysis of curriculum effectiveness, specifically comparing traditional lecture-based models with immersive ESP (English for Specific Purposes) environments. In these immersive settings, students are not passive recipients of information; instead, they engage in high-order "problem-solving" tasks that replicate the professional challenges of a clinical pharmacist or a drug developer. For instance, students are tasked with identifying potential contraindications in a multi-drug patient profile or explaining the complex pharmacokinetics of a new biological entity in English, requiring them to synthesize scientific knowledge with linguistic precision [10].

Furthermore, systematic vocabulary acquisition in this methodology moves beyond simple word lists. It is integrated through a deep study of Latin-based pharmaceutical roots, suffixes, and prefixes, which form the skeletal structure of medical nomenclature. Students are trained to navigate the nuanced differences between "high-register" technical medical terms used in peer-to-peer communication and the "low-register" lay terminology essential for patient counseling and health literacy [11]. This dual-register competence is vital; a pharmacist must be able to discuss "myocardial infarction" with a physician while explaining a "heart attack" to a patient without losing the accuracy of the medical advice. The methodology also emphasizes the transformative role of digital tools and corpus linguistics. By utilizing software to analyze large datasets of pharmaceutical literature, students can identify the frequency, collocations, and context of specific pharmacological terms, which significantly reduces lexical errors and "L1 interference" in their professional writing [12]. This data-driven approach to language learning ensures that the students' output mirrors the natural phrasing used by native-speaking professionals in the field. To bridge the gap between the classroom and the workplace, the curriculum incorporates sophisticated simulations such as "Drug Utilization Reviews" (DUR) and mock international pharmaceutical conferences. In these settings, students must defend their research or clinical decisions under the pressure of questioning, thereby developing "strategic competence"—the ability to manage linguistic breakdowns, use circumlocution, and maintain professional decorum during high-stakes decision-making processes [13]. Ultimately, this integrated approach ensures that the acquisition of the English language is perfectly synchronized with the development of pharmacological expertise. It creates a holistic educational experience where the language is not an additional burden but a facilitating tool. This methodological rigor prepares the student for the extreme demands of the global job market, where the ability to communicate scientific truth with clarity and authority is as critical as the science itself [14]. By focusing on these active learning strategies, the ESP methodology transforms the pharmacy student from a language learner into a globally-competent pharmaceutical professional.

A comprehensive review of the existing literature confirms that ESP methodology is superior to traditional approaches in fostering "employability skills" among pharmacy graduates, as noted by leading scholars like Dudley-Evans and St. John [15]. The discussion of our findings indicates that students who undergo a targeted ESP program demonstrate a statistically significant improvement in their ability to synthesize information from English-language

scientific journals and a greater confidence in communicating with international healthcare teams . However, the research also identifies critical challenges, such as the "dual-expertise" gap, where language instructors may lack scientific depth and pharmacy professors may lack linguistic pedagogical training, necessitating a new model of "interdisciplinary collaboration" or team-teaching . The conclusion of this extensive analysis suggests that for ESP to be truly effective in a pharmacy context, it must be supported by institutional policy that recognizes English proficiency as a core professional skill rather than an elective adjunct. We recommend a complete overhaul of current curricula to include modules on "Technical Writing for Regulatory Affairs" and "English for Clinical Pharmacy," alongside the implementation of continuous assessment strategies that mirror professional certification exams. Ultimately, the goal of enhancing professional English competence is to ensure that pharmacists can act as reliable gatekeepers of health information in an increasingly interconnected world, where the precision of language is just as critical as the precision of a chemical dosage. By adopting the ESP methodology described in this article, higher education institutions can bridge the gap between local training and global standards, producing graduates who are not only scientifically capable but also linguistically fluent in the language of international medicine.

Conclusion

In conclusion, the transition to an ESP-based methodology is essential for modernizing pharmaceutical education in the face of global industry requirements. The research demonstrates that focusing on needs analysis and authentic materials allows students to bridge the gap between academic theory and professional practice more effectively than traditional methods. By prioritizing communicative competence and technical terminology, higher education institutions can produce graduates who are not only scientifically skilled but also capable of operating within international standards of quality and safety. Ultimately, the integration of specialized English training ensures that future pharmacists can navigate the complexities of modern medicine, from drug manufacturing to patient care, with the linguistic precision required by the global community.

References:

1. Crystal, D. (2003). *English as a Global Language*. Cambridge University Press.
2. Belcher, D. (2006). English for Specific Purposes: Teaching to Need and Practice. *The Modern Language Journal*.
3. Flowerdew, J. (2013). *The Companion to ESP*. Wiley-Blackwell.
4. Hutchinson, T., & Waters, A. (1987). *English for Specific Purposes*. Cambridge University Press.
5. Dudley-Evans, T. (1998). *Developments in ESP: A multi-disciplinary approach*. Cambridge University Press.
6. Basturkmen, H. (2010). *Developing Courses in English for Specific Purposes*. Palgrave Macmillan.
7. Harding, K. (2007). *English for Specific Purposes*. Oxford University Press.
8. Marsh, D. (2002). *CLIL/EMILE - The European Dimension*. University of Jyväskylä.
9. Hyland, K. (2006). *English for Academic Purposes: An Advanced Resource Book*. Routledge.
10. Nation, I. S. P. (2001). *Learning Vocabulary in Another Language*. Cambridge.
11. Swales, J. M. (1990). *Genre Analysis: English in Academic and Research Settings*. Cambridge University Press.
12. Grabe, W., & Stoller, F. L. (2011). *Teaching and Researching Reading*. Pearson Education.

13. Douglas, D. (2000). *Assessing Languages for Specific Purposes*. Cambridge Language Assessment Series.
14. Paltridge, B., & Starfield, S. (2013). *The Handbook of English for Specific Purposes*. Wiley.
15. World Health Organization (2022). *International Pharmacopoeia Guidelines*.
16. S. Mirazimova *THE IMPORTANCE OF TEACHING THE METHODOLOGY OF WRITING FORMAL LETTERS. International Bulletin of Applied Science and Technology*
17. Akhmedova N.A. *Methodology for teaching medical students to translate specialist texts from English to Uzbek on the basis of modern information and communication technologies.* International Bulletin of Applied Science and Technology. 361-363 pages. 2023/3/23
18. A.A Ergashevna *"Development of reading and listening skills in foreign language learning"* American Journal of Interdisciplinary Research and Development Volume 25, 2024, pp. 160-163