



**National Pirogov Memorial Medical University, Vinnytsia**



**Department of Pharmacy**

# **Excipients in pharmaceutical and cosmetic technology**

***Elective course***

# Course teachers



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You can read more about the scientific activities of the course teachers at [shorturl.at/ilqCD](https://shorturl.at/ilqCD) in the section "Scientific work"



Many countries have developed a systematic approach to assessing the safety of not only active but also excipients



Without excipients, it would be impossible to develop and manufacture the latest therapeutic and cosmetic systems for various purposes



The ability of excipients to change the nature and strength of the therapeutic effectiveness of active pharmaceutical ingredients, and thus of the pharmaceutical preparation and cosmetic product as a whole, has been experimentally established



# **This course will help you understand these issues:**



International nomenclature of INCI requirements for excipients with regard to the trends in the pharmaceutical industry



The role of excipients in the development of dispersed pharmaceutical systems, including therapeutic systems with controlled release and targeted delivery of active substances

The impact of preservatives on the quality and economic characteristics of medicines and cosmetics



Interaction of active and excipients and their impact on the therapeutic efficacy of medicines

# Forms and methods of education

## Student-centered approach

- Lectures
- Practical classes in the format:
- Presentations of individual work, discussion or training analysis of scientific publications
- Excursions to NPMU laboratories conducting research in the field of pharmacy
- Virtual tours to the laboratories of pharmaceutical companies
- Meetings with specialists in the field of pharmaceutical research
- Final control – credit



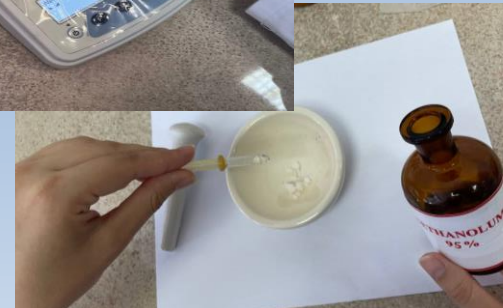
The principles of assessment of the discipline correspond to the “Regulations on the organization of the educational process” at the Pirogov National Medical University [shorturl.at/oBKS7](https://shorturl.at/oBKS7)



# Material and technical base

- Author's course of lectures
- The latest software
- Free access of Pirogov National Medical University to scientometric databases: **Web of Science, Scopus**
- Free access to the legislative framework
- Full provision of educational and methodological materials
- Equipment for
- demonstration: projector, laptop





- Classes on the basis of the Educational and Scientific Stimulation Center “Pharmacy”





# As a result of taking the course you will



-  Use regulatory and reference literature on excipients
-  Clearly systematize excipients
-  To carry out the selection of excipients to obtain the optimal composition of medicinal and cosmetic products
-  To form the relationship “excipients - dispersant system - technology - therapeutic efficacy of drugs”





**We are waiting for you at the course**  
**«Excipients in pharmaceutical and**  
**cosmetic technology»**

