

COURSE OUTLINE OF LECTURES
on discipline «Information technology in pharmacy»
for the students of a 1 course 9 group of pharmaceutical faculty
on the 2014-2015 educational year

Confirmed
on the methodical conference of department
Minutes No 7, 27th January, 2015

Date	Theme	Hours	Tutor
MODULE 1. «The basis of information technologies and data processing in pharmacy»			
05.02.2015	The bases of information technologies in pharmacy: the general conception of disciplines. The basis direction of information technologies using in pharmacy.	2	assoc. prof. Lopatynska O.I.
19.02.2014	Formalization and algorithmization of pharmaceutical tasks. The mathematic modeling in medicine and pharmacy.	2	assoc. prof. Lopatynska O.I.
05.03.2014	Computer data processing. Dada bases as information models of different subjects areas. Control system of databases.	2	assoc. prof. Lopatynska O.I.
19.03.2014	The principles of databases designing. The designing of pharmaceutical databases.	2	assoc. prof. Lopatynska O.I.
02.04.2014	Information systems in pharmacy.	2	assoc. prof. Lopatynska O.I.
TOTAL		10	

Heard of the department of clinical pharmacy,
pharmacotherapy and medicinal standardization
of Danylo Halytsky Lviv National Medical University

Prof. A.B. Zimenkovsky

COURSE OUTLINE OF PRACTICE
on discipline «Information technology in pharmacy»
for the students of a 1 course 9 group of pharmaceutical faculty
on the 2014-2015 educational year

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Date	Theme of lecture	Hours
MODULE 1. «The basis of information technologies and data processing in pharmacy»		
05.02.2015	The rules of safety. Incoming knowledge's control. The structure, contents and tasks of discipline.	3
12.02.2015	The terms of information technologies in pharmacy. The using of text processor for making and keeping of pharmaceutical documentations.	3
19.02.2015	The components of information technologies. The types of modern information technologies. Technologies of text documents creation with different insert objects: diagrams, formulas, equalization of chemical reactions.	3
26.02.2015	The components of information technologies. Extended possibilities of text processors. Creation of structured documents. Styles using. Automation of references (on the example of term paper, abstract).	3
05.03.2015	Special software's for professional pharmacist's activity. The making of structure chemical formulas by special software's.	3
12.03.2015	Formalization and algorithmization of pharmaceutical tasks. Formal logic for solving tasks in pharmacy practice. The making of structural scheme of linear, ramified and cyclic algorithm of pharmaceutical tasks. The use of algebra logic in formalization of pharmaceutical tasks.	3
19.03.2015	The software's of presentations making and basis of office programming.	3
26.03.2015	The creation of presentation with MS Power Point application.	3
02.04.2015	The designing of pharmaceutical database «Pharmacies» model.	3
09.04.2015	The realization of pharmaceutical database «Pharmacies» using control systems of databases. The creation and using forms for inserting and editing of information.	3
16.04.2015	The working with database «Pharmacies»: information selection in database. Inquiries. The tools for information processing.	3
23.04.2015	The pharmaceutical tasks decision using pharmaceutical databases «Pharmacies».	3
30.04.2015	Automation of work with documents. The bases of paperless technology in pharmacy. Electronic forms and pharmaceutical documentation forms. Texts computer recognition.	3
07.05.2015	The systems of sales management in pharmacies. The pharmacist's computers working place.	3
14.05.2015	Information and searching systems in pharmacy.	3
21.05.2015	Information systems in pharmacy. The systems of pharmaceutical information background creation by office software's.	3
28.05.2015	The checking of individual (calculation-graphic) work execution. The control of module 1 mastering	2
TOTAL		50

Head of the department of clinical pharmacy,
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QUESTIONS FOR SOME SELF STUDING
on discipline «Information technology in pharmacy»
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on the 2014-2015 educational year

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№	Questions	Hours
MODULE 1. «The basis of information technologies and data processing in pharmacy»		
1.	The using of text processor for making and keeping of pharmaceutical documentations. The making of complex documents.	2
2.	The toolbox of information technologies. Technologies of text documents creation with different insert objects: diagrams, formulas, equalization of chemical reactions. Special software's for professional pharmacist's activity.	2
3.	The components of information technologies. Extended possibilities of text processors. Creation of structured documents. Styles using. Automation of references (on the example of term paper, abstract).	2
4.	The bases of paperless technology in pharmacy. Electronic forms and pharmaceutical documentation forms. Texts computer recognition.	2
5.	Network technologies in pharmacy. The using of Internet resources in pharmacists professional activity.	2
6.	Life cycle of information technologies. The outdateding of information technologies. The using prospective of information technologies. The types examples of information technologies: information technologies for data processing, managing information technologies, information technologies of making decision supporting, information technologies of expert systems.	2
7.	The systems of pharmaceutical information background creation by office software's.	2
8.	The systems of sales management in pharmacies. The pharmacist's computers working place.	2
9.	The software's of presentations making and basis of office programming.	2
10.	The realization of pharmaceutical database using control systems of databases. Analysis of subject's areas. Designing.	4
11.	The realization of pharmaceutical database using control systems of databases. Practical realization.	4
12.	The execution of individual (calculation-graphic) work	18
13.	The training for final module control.	4
TOTAL		48

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