**Faculty of Pharmacy**

 **3-rd year** amount of academic weeks 38(20+18)

 (pharmacy) winter vacation 2

 foreign students additional term 0,5

 (2012/2013) summer practice: learning practice in

 pharmacognosy 2

summer vacations 10

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| № | Subjects | **Cre****dits****ECTS** |  Autumn semester | **Cre****dits****ECTS** |  Spring semester |
| Total hours amount  | Lectures | Tuto-rials | Semi-nars | Self-reliantstudy | Type ofcontrol | Total hours amount  | Lectures | Tuto-rials | Seminars | Self-reliantstudy | Type ofcontrol |
| 1 | Technology of Drug Preparations in the Drugstore | **4,5** | 162 | 22 | 84 |  | 56 | module | **4,5** | 162 | 18 | 76 |  | 68 | module |
| 2 | Physical and Colloidal Chemistry | **2,5** | 90 | 20 | 40 |  | 30 | module |  |  |  |  |  |  |  |
| 3 | Biological Chemistry | **3** | 108 | 22 | 42 |  | 44 | module | **3** | 108 | 18 | 38 |  | 52 | module |
| 4 | Pharmaceutical Chemistry | **3,8** | 137 | 16 | 63 |  | 58 | module | **3,694** | 133 | 14 | 57 | 62 |  | module |
| 5 | Microbiology with Fundamentals of Immunology | **2,5** | 90 | 10 | 30 |  | 50 | module |  |  |  |  |  |  |  |
| 6 | Organization and Economics of Pharmacy | **3** | 108 | 16 | 42 |  | 50 |  | **3** | 108 | 14 | 38 |  | 56 | module |
| 7 | Pharmacognosy | **4,5** | 162 | 22 | 84 |  | 56 | module | **4,5** | 162 | 18 | 76 |  | 68 | module |
| 8 | Ethics and Deontology in Pharmacy | **1,5** | 54 | 10 | 10 |  | 34 | module |  |  |  |  |  |  |  |
| 9 | Hygiene in Pharmacy with Fundamentals of ecology |  |  |  |  |  |  |  | **2,5** | 90 | 10 | 40 |  | 40 | module |
| 10 | Pharmacology |  |  |  |  |  |  |  | **5** | 180 | 20 | 70 |  | 90 | module |
| 11 | Extreme Medicine |  |  |  |  |  |  |  | **1,5** | 54 |  | 20 |  | 34 | module |
| 12 | Learning Practice in Pharmacognosy |  |  |  |  |  |  |  | **3** | 108 |  | 72 |  | 36 | module |
| 13 | Elective Course | **4** | 144 | 30 | 30 |  | 84 | credit |  |  |  |  |  |  |  |
|  | **Total** | **29,3** | **1055** | **168** | **425** | **0** | **462** |  | **30,69** | **1105** | **112** | **487** | **0** | **506** |  |

**Learning Practice in Pharmacognosy – credits-3,0 (in total -108 hours: academic hours – 72, self-reliant study – 36, type of control – credit with the mark)**

**Elective Courses:**

1. Theory of Familiarization and Pharmacy 6. Pharmaceutical Aspects of Alcoholism and Drug Addiction

2. Ethic Problems in Pharmacy 7. Functional Biochemistry

3. Fundamentals of Social Psychology 8. Factors and Mechnisms of Pharmacologic Activity and Toxicity of Drugs on the Steps of Pharmacokinetics

4. Physical Training and Health 9. Dermatology

5. Accessory Activity of Drugs 10. Psychology

11. Economic Theory

12. Foreign Language (second)

13. Foreign Language for professional purposes

14. Foundations of Christian ethics and morality

**Learning practice in Industrial Technology of Drug Preparations – 1,5 credits (in total 54 hours: academic – 36 hours, self-reliant study – 18 hours, type of control – credit)**

**Industrial practice in Technology of Drug Preparations in the Drugstore – 4,5 credits (in total 162 hours – academic – 108 hours, self-reliant study – 54 hours, type of control – credit with the mark)**

**Elective courses:** 1. Modern problems of Biophysics. 2. Aromology in Cosmeticology and Aromotherapy. 3. Pharmaceutical Aspects of Nutriciology (biologically active additives)

4. Training communication. 5. Physical Training and Health. 6. Fundamentals of modern Homeopathy. 7.Fundamentals of foreign economic activity of the pharmaceutical industry. 8.Teoretical base of synthesis and connection between structure and action of drugs. 9. Modern research methods of biological system.10. Optimization of production and quality control of drugs. 11. Perfumery and cosmetics. 12. Veterinary drugs. 13. Environmental