**Faculty of Pharmacy**

 **5-th year** Amount of academic weeks 23(19+4)

 (pharmacy) Winter examination period 2

 foreign students Winter vacation 1

 (2012/2013) Practice 10

Winter Learning Practice

1т. - Clinical Pharmacy

Industrial practice

1т. – Specialization

2т. - Management and Marketing in Pharmacy

3т. - Organization and Economics of Pharmacy

4т. - Pharmaceutical Chemistry

State Board Exams 4

|  |  |  |  |
| --- | --- | --- | --- |
|  | Subjects | Autumn semester | Spring semester |
| Totalhours amount | Lectures | Tutorials | Seminars | Self-reliant study | Type of control | Total hours amount | Lectures | Tutorials | Seminars | Self-reliant study | Type of control |
| 1 | Biopharmacy | **54** | 6 |  | 18 | 30 | credit |  |  |  |  |  |  |
| 2 | Labour Protection in Pharmacy | **36** | 8 |  | 4 | 24 | credit with the mark |  |  |  |  |  |  |
| 3 | Management and Marketing in Pharmacy | **126** | 18 |  | 54 | 54 | exam |  |  |  |  |  |  |
| 4 | Fundamentals of patent | **54** | 18 |  | 6 | 30 | credit |  |  |  |  |  |  |
| 5 | Clinical Pharmacy | **162** | 34 |  | 74 | 54 | exam |  |  |  |  |  |  |
| 6 | Pharmaceutical Law | **90** | 12 |  | 36 | 42 | credit |  |  |  |  |  |  |
| 7 | Toxicological Chemistry | **144** | 6 |  | 54 | 84 | exam |  |  |  |  |  |  |
| 8 | Resources Studies of Medical Plants | **72** | 12 |  | 36 | 24 | credit |  |  |  |  |  |  |
| 9 | Standardization of drug preparations | **72** | 12 |  | 36 | 24 | credit |  |  |  |  |  |  |
| 10 | Medical and Pharmaceutical Marketing | **72** | 14 |  | 34 | 24 | credit |  |  |  |  |  |  |
| 11 | Cosmetic Technology | **90** | 12 |  | 36 | 42 | credit |  |  |  |  |  |  |
| 12 | Planning Pharmaceutical Practice | **108** | 12 |  | 36 | 60 | credit |  |  |  |  |  |  |
| 13 | Specialization |  |  |  |  |  |  | **216** | 10 |  | 98 | 108 | credit with the mark |
|  | Total | **1080** | **164** |  | **424** | **492** |  | **216** | **10** | **0** | **98** | **108** |  |

**State Attestation: standardized test exam (license integrated exam – Step 2 Pharmacy)**

**Graduation State Exams (Complex Practically-oriented Exams) and (or) Defense of the Thesis**

**Learning practice in Clinical Pharmacy – 1 credit (in total 54 hours: academic – 36 hours , self-reliant study 18 hours, type of control – credit with the mark)**

**Industrial practice:**

**Pharmaceutical Chemistry – 3credits (in total 162 hours: academic – 108 hours, self-reliant study – 54 hours, type of control – credit with the mark)**

**Organization and Economics in Pharmacy – 3credits (in total 162 hours: academic – 108 hours, self-reliant study – 54 hours, type of control – credit with the mark)**

**Management and Marketing in Pharmacy – 2credits (in total 108 hours: academic – 72 hours, self-reliant study – 36 hours, type of control – credit with the mark)**

**Specialization – 1credit (in total 54 hours: academic – 36 hours, self-reliant study – 18 hours, type of control – credit with the mark)**

**Graduation State Exams: Pharmaceutical Chemistry**

**Pharmacognosy**

**Technology of Drug Preparations**

**Clinical Pharmacy**

**Management and Marketing in Pharmacy**

**Specialization:**

**1. Smallest production of drugs. 2. Chemical and toxicological analysis. 3. Technology of homeopathic drugs. 4. Medicinal plants and herbal medicine. 5. Quality control of foodstuffs and food supplements. 6. Quality control of drugs. 7. Production and application of cosmetic preparations. 8. Productions of drugs based of biotechnology. 9.Organization and regulation pharmaceutical enterprice. 10. Use of drugs in clinical practice in pharmacy. 11. Factory in pharmacy. 12. Creation of drugs 13. Investigation of the pharmaceutical market.**