



Course Regime

Course: SPECIAL PHARMACOLOGY

Study Programme:

Medicine Dental Medicine

Year of the Course: 1 2 **3** 4 5 6

Semester:

Winter **Summer**

Course type:

Compulsory Elective

Number of ECTS credits: 3

Lecturer(s): Mojca Kržan, Metoda Lipnik-Štangelj, Katarina Černe

Participating Organisational Units (Departments and Institutes): Institute of Pharmacology and Experimental Toxicology

Date of Issue: September 13, 2019

A. General part (*applies to compulsory and elective courses*)

1. Course objectives

Pharmacodynamic and pharmacokinetic properties of main pharmacodynamic groups as well as typical representatives of these groups will be studied.

2. Comprehensive outline of the course organisation

The course is taught in 10 lectures (1 hour each) and 10 seminars (3 hours each). It takes place in the seminar room at the Institute of Pharmacology and Experimental Toxicology.

Topics:

1. Adrenergic and cholinergic drugs
2. Drugs affecting the heart functions
3. Vasoactive drugs and diuretics
4. Drugs affecting hemostasis and concentration of lipids
5. Drugs affecting respiratory and gastrointestinal system
6. Drugs affecting endocrine function
7. Analgesics
8. Drugs used in neurology
9. Psychopharmacological drugs
10. Chemotherapeutics

After lectures, there will be Socratic style seminars dealing with

- different names of the assigned medicines
- mechanisms of action
- effects (wanted and adverse)
- pharmacokinetic properties and parameters
- indication and contraindications
- particular features

Literature: standard textbooks and SPC of assigned medicines.

80% attendance is mandatory.

Students will be advised to bring smart phones or tablets for interactive discussion.

3. Description of on-going assessment of knowledge and skills

None.

4. Required conditions for the final examination (Course Exam)

80% attendance of the course, presentation of seminar and registration via VIS system.

5. Final assessment and examination of knowledge and skills (Course Exam)

In case of insufficient attendance of seminars (less than 80%) students should write additional test. Passing score is 60%.

Final examination: 45-50 test questions with one correct answer. There are no negative points either for not answered or wrongly answered questions. The passing score is 60%. The grades: 60 – 67.99% = 6, 68-75.99 % = 7, 76 – 83.99 % = 8. 84 -91.99 % = 9, 92 and more = 10.

6. Other provisions

None.

7. Fundamental study material and Supplement reading

Rang HP, Ritter JUM; Flower RJ Henderson G. Pharmacology. Eight Edition.

8. Exam topics, clinical presentations and skills

Exam topics: <http://www.mf.unilj.si/dokumenti/1f0963cae726b1ee6de73820a2157df5.pdf>

9. Other information

