

University of Split School of Medicine
MEDICAL STUDIES IN ENGLISH
PHARMACOLOGY

<u>Lectures:</u>	<u>Duration:</u>
1. Introduction, drug absorption and distribution	2
2. Drugs metabolism and elimination	2
3. Pharmacodynamics	2
4. Antimicrobial drugs	3
5. Pharmacology of ANS	3
6. Antipsychotic and antidepressant agents	2
7. Drugs in the treatment of pain	2
8. Antihypertensive agents	2
9. Drugs used in angina pectoris and heart failure	3
10. Drugs used in cardiac arrhythmias	2
11. Anticoagulants, inhibitors of platelet aggregation and fibrinolytic agents	3
12. Adrenocorticosteroids and adrenocortical antagonists	2
13. Drug safety, adverse events and interactions	2

<u>Seminars:</u>	<u>Duration:</u>
1. Pharmacokinetics, special aspects of geriatric pharmacology	3
2. Mechanism of drug action and dose-response curves. Basic concepts of toxicology	3
3. New drugs development and pharmacogenomics. Basic concepts of pharmacoconomics	3
4. Biologics and biosimilars	2
5. The most important antibiotics	3
6. Antiviral agents	2
7. Antifungal, antihelminthic and antimycobacterial drugs	2
8. Cholinergic drugs	2
9. Adrenergic drugs	2
10. Antiseizure drugs and agents used in neurodegenerative diseases	2
11. Local and general anesthetics	2
12. Anxiolytics and opioid analgesics	3
13. Drugs of abuse	1
14. Agents used in dyslipidemias	2
15. Vasoactive peptides and NO	1
16. Diuretics	2
17. Antihypertensives	2
18. Pharmacology of histamine, serotonin and the ergot alkaloids	2
19. NSAIDs, DMARDs and antigout drugs	3
20. Immunosuppressive and immunomodulatory therapy. Vaccines	3
21. Drugs used in the treatment of gastrointestinal diseases part 1 (GERD, antiemetics, prokinetics)	2

22. Drugs used in the treatment of gastrointestinal diseases part 2 (laxatives, antidiarrheals, IBS, IBD)	2
23. Drugs used in asthma, COPD, antitussives and expectorants	2
24. Cancer chemotherapy	2
25. Drugs used in anemias and hematopoietic growth factors	2
26. Pituitary and hypothalamic hormones, thyroid and antithyroid drugs	2
27. Agents that affect bone	1
28. The gonadal hormones and inhibitors	2
29. Pancreatic hormones and antidiabetic drugs	3
30. Topical pharmacotherapy (drugs in dermatology and ophthalmology)	2

Exercises:

Duration:

E1. Pharmacokinetics and pharmacodynamics	2
E2. Drugs and ANS: cardiovascular and the neuromuscular junction effects	3
E3. Psychopharmaceuticals and analgesics	3
E4. Antiseizure drugs	3
E5. The isolated rings of rat aorta: mechanisms of drugs action	3
E6. The isolated heart: mechanisms of drugs action	3
E7. The impact of drugs on gastrointestinal system	3
E8. Web searching for appropriate drug information	3
E9. Pharmacology in science: presentation of a scientific article on drug research	3

Fg1. Introduction, Drugs prescribing 1	3
Fg2. Drugs prescribing 2	3
Fg3. Galenic preparations and finished medicinal products	3

Total classes related to the course Pharmacology:

30 L + 65 S + 35 E = 115 student hours

(30 x 2 + 65 x 1,5 x 2 groups + 35 x 4 groups = 395 norma hours)