Pharmaceutical microbiology lectures
Spring semester (2019/2020)

Monday - 11^{00}-12^{40} (1^{st} floor, Room L11)
Tuesday – 13^{30}-14^{15} (1^{st} floor, Room Sz-06)

3 February (2x45')
Introduction. Short history, subject and aim of microbiology. Occurrence and importance of microorganisms in nature. General microbiology. Morphology of bacteria.
(Prof. Szabó / Dr. Ghidán)

4 February (45')
Reproduction and physiology of bacteria. Microbial genetics.
(Dr. Ghidán / Dr. Dobay)

10 February (2x45')
Pathogenicity and infection. Immunity to microbes. Active and passive immunization.
(Dr. Dobay / Dr. Ghidán)

11 February (45')
Antimicrobial chemotherapy. Mechanisms of action of antibiotics. (Dr. Dobay / Dr. Ghidán)

17 February (2x45')
Bacterial resistance to antibiotics. (Dr. Dobay / Dr.Ghidán)

18 February (45')
Cocci causing purulent infections I. Staphylococcus.
(Dr. Dobay / Dr. Ghidán)

24 February (2x45')
Cocci causing purulent infections II. Streptococcus, Neisseria.
(Dr. Dobay / Dr. Ghidán)

25 February (45')
Normal flora of the intestinal tract and the importance of it.
(Dr. Dobay / Dr. Ghidán)

2 March (2x45')
Bacteria causing enteric diseases (enteropathogenic *Escherichia coli*, Salmonella, Shigella, Yersinia, Vibrio, Campylobacter, Helicobacter).
(Dr. Dobay / Dr. Ghidán)

3 March (45')
Causative agents of respiratory tract infections I. (Corynebacterium, Mycobacterium).
(Dr. Dobay / Dr. Ghidán)

9 March (2x45')
Causative agents of respiratory tract infections II. (Haemophilus, Bordetella, Legionella). Aerobic and anaerobic endospore forming bacteria.
(Dr. Ghidán / Dr. Dobay)

10 March (45')
Bacterial zoonosis (Borrelia, Brucella, Yersinia, Francisella, Listeria)

(Dr. Ghidán / Dr. Dobay)

16 March (2x45')
Spirochetes. Mycoplasma. Rickettsia. Chlamydia.
(Dr. Ghidán / Dr. Dobay)

17 March (45')
Causative agents of human mycosis and their therapy.
(Dr. Ghidán / Dr. Dobay)

23 March (2x45')
Parasitology (protozoa and helminths).
(Dr. Ghidán / Dr. Dobay)

24 March (45')
General virology. Host-virus interactions.
(Prof. Ádám / Dr. Dobay)

30 March (2x45')
DNS viruses (Adeno-, Parvo-, Herpes- and Poxviruses).
(Prof. Ádám / Dr. Dobay)

31 March (45')
Enteral pathogenic viruses (Picorna-, Rota-, Astro- and Calici viruses).
(Prof. Ádám / Dr. Ghidán)

6-10 April - Spring Holiday

13 April - Easter Monday

14 April (45')
Retroviruses. AIDS. (Prof. Ádám / Dr. Dobay)

20 April (2x45')
Respiratory pathogenic viruses (Orthomyxo-, Paramyxoviruses, Corona-, Rubella virus)
(Dr. Ghidán / Dr. Dobay)

21 April (45')
Hepatitis viruses. (Dr. Ghidán / Dr. Dobay)

27 April (2x45')
Arthropode- and rodent borne viruses and diseases caused by them.
(Prof. Ádám / Dr.Ghidán)

28 April (45')
Tumorviruses. The role of viruses in carcinogenesis. (Prof. Ádám / Dr.Ghidán)

4 May (2x45')
Rhabdoviruses. Slow virus infections. Prions. Conventional and non-conventional agents.
(Prof. Ádám / Dr.Ghidán)

5 May (45')
Antiviral chemotherapy. Prevention of viral infections.
(Prof. Ádám / Dr. Ghidán)

11 May (2x45')
Microbiological checking of pharmaceutical products. Endotoxin tests. Nosocomial infections.
(Dr.Ghidán / Dr. Dobay)

12 May (45')
Use of microorganisms in the pharmaceutical sciences.
(Dr. Ghidán / Dr. Dobay)