

Principles of Pharmaceutical Technology 2020/2021 program

Lectures. Monday on-line (Teams) 15:00-16:30

Date	Topic	Staff
15.03.2021	Basic terminology and introduction to the dosage forms.	Aleksander Mendyk
22.03.2021	Solid dosage forms 1 - Particles & granulation	Anna Krupa
29.03.2021	Solid dosage forms 2 - Tablets & compaction	Anna Krupa
12.04.2021	Solid dosage forms 3 – Coating	Anna Krupa
19.04.2021	Solid dosage forms 4 - Capsules	Anna Krupa
26.04.2021	Solid dosage forms 5 - Modified-release oral drug delivery	Anna Krupa
10.05.2021	Liquid dosage forms. Solutions, colloids, suspensions. Sterile and non-sterile preparations	Aleksander Mendyk
17.05.2021	Aerosols. Semisolid systems: ointments, creams	Aleksander Mendyk
24.05.2021	Advanced forms: therapeutic systems (transdermal, oral), nanotechnology. Controlled release	Aleksander Mendyk
31.05.2021	Stability and packaging systems. Quality by Design	Aleksander Mendyk

Seminars. Monday on-line (Teams) 16:45 - 18:15

Date	Topic	Staff
15.03.2021	Granulation (high shear, fluid bed)	Krzysztof Woyna-Orlewicz
22.03.2021	Tableting	Krzysztof Woyna-Orlewicz
29.03.2021	Coating (drum coating of tablets, fluid bed coating of granulates)	Mateusz Kurek
12.04.2021	Quality control for solid dosage forms	Witold Jamróz
19.04.2021	Production systems for sterile dosage forms	Jakub Szlęk
26.04.2021	Total parenteral nutrition	Witold Brniak
10.05.2021	Quality control for sterile injectable products	Adam Paclawski
17.05.2021	Dissolution testing	Witold Jamróz
24.05.2021	Classification of excipients	Mateusz Kurek
31.05.2021	CTD module 3 "Development"	Jakub Szlęk

Practical exercises. Group CW1. Tuesday from 8:00 to 10:15

Date	Topic	Staff
13.04.2021	Granulation (high shear, fluid bed) room 1/2E	Krzysztof Woyna-Orlewicz
20.04.2021	Tableting (Rotary tablet press, single punch) room 1/2E	Krzysztof Woyna-Orlewicz
27.04.2021	Coating (drum coating of tablets, fluid bed coating of granulates) room 1/2E	Mateusz Kurek
11.05.2021	Quality control for solid dosage forms (Tap density, particle size distribution, friability, hardness, dissolution testing) room 1/2E	Witold Jamróz
18.05.2021	Introduction to sterile environment for pharmaceutical manufacturing. (8:00-9:30!) room 1-105(G)	Witold Brniak
25.05.2021	Preparation of parenteral dosage forms (5% Sol. Glucose and 0.9% Sol. Sodium chloride) room 1-105(G)	Jakub Szlęk
01.06.2021	Quality control of injectables and semisolids room 1-105(G)	Adam Paclawski

Practical exercises. Group CW2 Tuesday from 8:00 to 10:15

Date	Topic	Staff
13.04.2021	Introduction to sterile environment for pharmaceutical manufacturing. (8:00-9:30!) room 1-105(G)	Witold Brniak
20.04.2021	Preparation of parenteral dosage forms (5% Sol. Glucose and 0.9% Sol. Sodium chloride) room 1-105(G)	Jakub Szlęk
27.04.2021	Quality control of injectables and semisolids room 1-105(G)	Adam Paclawski
11.05.2021	Granulation (high shear, fluid bed) room 1-105(G)	Krzysztof Woyna-Orlewicz
18.05.2021	Tableting (Rotary tablet press, single punch) room 1/2E	Witold Jamróz
25.05.2021	Coating (drum coating of tablets, fluid bed coating of granulates) room 1/2E	Mateusz Kurek
01.06.2021	Quality control for solid dosage forms (Tap density, particle size distribution, friability, hardness, dissolution testing) room 1/2E	Mateusz Kurek