

# Lectures within Erasmus+ program

**prof. Volodymyr Tkachuk**, (Ivan Franko National University in Lviv)

title: **Study of spin systems on quantum computers.**  
(seminar of Institute of Physics)

13.6. 2023, (Tuesday) 11:15 o'clock, room 106, building A29, Szafrana 4a

**prof. Stepan Mudry**, (Ivan Franko National University in Lviv)

title: **Self-organization in thermodynamic systems.**

13.6. 2023, (Tuesday) 13:00 o'clock, room 415, building A29, Szafrana 4a

**prof. Volodymyr Tkachuk** (Ivan Franko National University in Lviv)

title: **From classical bit to quantum bit**  
(lecture for students)

14.6.2023 (Wednesday) 11:00 o'clock, room 06, building A2, Szafrana 2a

**prof. Khrystyna Gnatenko**, (Ivan Franko National University in Lviv)

title: **Multi-qubit parameterized quantum states and calculation of their entanglement with quantum programming**  
(seminar of Institute of Mathematics)

14.6.2023 (Wednesday) 12:00 o'clock, room 207, building A29, Szafrana 4a

**prof. Stepan Murdy** (Ivan Franko National University in Lviv)

title: **Advanced materials and physical processes at their manufacturing.**  
(lecture for students)

15.6.2023 (Thursday) 11:15 o'clock, room 128, building A2, Szafrana 2a

**prof. Khrystyna Gnatenko** (Ivan Franko National University in Lviv)

title: **Realization of the Deutsch-Jozsa and Bernstein-Vazirani algorithms on a quantum computer. Quantum supremacy.**  
(lecture for students)

15.6.2023 (Thursday) 18:30 o'clock, room 110, building A29, Szafrana 4a