

**Schedule plan of classes
on radiation and ecological medicine
for the II year students of the Faculty for International students
(English medium) IV semester
2019/ 2020 academic year**

№	Topics	Duration in academic hours
1	Introduction to Radiation Medicine. The concept of radioactivity.	3,0
2	Fundamentals of dosimetry and radiometry.	3,0
3	Natural sources of ionizing radiation. Technologically changed radiation background.	3,0
4	Radiosensitivity.	3,0
5	Radiation injury of the human organism. Deterministic and stochastic effects of irradiation.	3,0
6	Program of liquidation of consequences of the Chernobyl accident. The main dose-forming radionuclides of the Chernobyl release.	3,0
7	Control of radiation safety.	3,0
8	Medical exposure. The principles of reducing radiation dose on the human body.	3,0
9	Reduction of the radiation load on the population.	3,0

Head of the department of radiology
and radiotherapy candidate of
medical sciences

A. S. Aleksandrovich