**FACULTY OF MEDICINE, 1st year: EMBRYOLOGY**

**Topics of lectures:**

1. Acquaintance with Health and Safety at Work Regulations. Introduction to embryology. Historical perspectives.

2. Gametogenesis – oogenesis and spermatogenesis.

3. Transport of gametes and fertilization.

4. Cleavage and implantation.

5. Gastrulation.

6. Basic embryonic body plan. Development of ectodermal, mesodermal and endodermal germ layers.

7. Fetal membranes – structure and significance.

8. Development of the cardiovascular

9. Development of digestive system

10. Development of the respiratory and urogenital system.

11. Development of nervous systems (central and peripherial nervous system, development of the ears and eyes).

12. Development of the integumentary system.

13. Development of musculoskeletal system and limbs

14. Multiple pregnancies. The effect of smoking, alcohol and drugs on fetal development.