

Level: master				
Course title: REPRODUCTIVE PHYSIOLOGY				
Status: obligatory				
ECTS: 6				
Requirements: -				
Learning objectives Learning objective is to study fundamental mechanisms of reproductive system functions and interrelated signalling pathways that control reproduction.				
Learning outcomes Upon successful completion of the course, the students will obtain basic knowledge on sex differentiation mechanisms and reproductive signalling molecules, as well as to describe the reproductive system functions at different age.				
Syllabus <i>Theoretical instruction</i> Gender and sexuality. Reproductive signalling molecules. Physiology of testicles. Physiology of ovaries. Physiological bases of puberty and maturation of hypothalamus- hypophyseal-gonadal axis. Physiological base of coitus, fertilisation, implantation and placenta formation. Physiological base of pregnancy, labour, lactation and maternal behaviour. Ageing and reproductive function. Circadian clock in reproductive physiology. <i>Practical instruction</i> Keeping laboratory diary. Isolating cells from testicles (Leydig cells, peritubular myoid cells). Experimental model of hypogonadal hypogonadism. Experimental model of androgenisation.				
Weekly teaching load				Other: -
Lectures:2	Exercises: -	Other forms of teaching:-	Student research: 4	