

<b>Level:</b> bachelor				
<b>Course title:</b> Steroid Chemistry			IHO-403	
<b>Status:</b> elective				
<b>ECTS:</b> 6				
<b>Requirements:</b> none				
<b>Learning objectives</b> The goal of the course is to obtain knowledge of steroids' structures, their modifications and reactivity. Gaining knowledge and skills in planning of synthetic routes to modified steroid analogues.				
<b>Learning outcomes</b> After successfully completing the course, the student is able to devise synthetic routes from naturally occurring steroids to desired steroidal derivatives.				
<b>Syllabus</b> <i>Theoretical instruction</i> Sources of steroids. Reaction and conformational analysis. Reactions of alcohols and halides. Steroid olefins. Steroid ketones. Steroid amines. Rearrangements of steroid derivatives. Synthesis of biologically active steroidal derivatives. <i>Practical instruction</i> Laboratory synthesis of steroidal derivatives.				
<b>Weekly teaching load</b>				<b>Other:</b>
<b>Lectures:</b> 2	<b>Exercises:</b> 3	<b>Other forms of teaching:</b>	<b>Student research:</b>	