

Level: bachelor				
Course title: Materials in medicine and dentistry				
Status: elective				
ECTS: 6				
Requirements:				
Learning objectives Introducing students to the field of modern materials relevant to the development of medical and dental supplies.				
Learning outcomes After completing the course, students should possess: <ul style="list-style-type: none"> - General skills to follow the professional literature. - Knowledge of the specificity of materials used in modern medicine and dentistry. - Knowledge of the processes and technologies of production and applications of certain types of materials. - The ability to realize certain technical solutions. 				
Syllabus <i>Theoretical instruction</i> Physical properties of materials in medicine and dentistry. Intermolecular forces and chemical properties. Materials for imprints. Materials for development of working models. Waxes. Refractory mass. Polymers. Metals and alloys. Acrylates. Amalgams. Ceramic materials. Composites. Cement and silicate cements. Physical methods of investigating materials. <i>Practical instruction</i> Experimental exercises and seminars which follow the lectures.				
Weekly teaching load				Other:
Lectures: 3	Exercises: 1	Other forms of teaching: 1	Student research:	