

## Course units for the doctoral programme in P3924 Material Sciences and Engineering

### Degree Course 3911V040 Biomaterials and Biocomposites

Course units are selected in accordance with Article 36 of the Study and Examination Regulations of TBU in Zlín.

Abbreviation	Name of Subject	Lecturer
<b>Basic compulsory elective course units :</b>	<b>Student shall select a minimum of 4 basic compulsory elective course units; the English language is compulsory.</b>	
CJV/DTAW1, DTAW2	Academic Writing (bez zk.) *)	doc. Ing. Anežka Lengálová, Ph.D.
CJV/DTTP1, DTTP2	Technical Presentation *)	doc. Ing. Anežka Lengálová, Ph.D.
TCPM/TWDBM	Biocompatibility of Materials	doc. Ing. Petr Humpolíček, Ph.D.
TUTTTK/TWDCF	Chemistry and physics of Surfaces and Phase Interfaces	doc. Ing. Marián Lehocký, Ph.D.
TUTTTK/TWDIM	Instrumental Methods of Analysis of Biomaterials	doc. Ing. Věra Kašpárková, CSc.
TCPM/TWDTM	Technology of Biomaterials	prof. Ing. Vladimír Sedlařík, Ph.D.
<b>Other compulsory elective course units :</b>	<b>Student shall select a minimum of one of the other compulsory elective course units.</b>	
TCPM/TWDKZ	Testing Methods of Biomaterials	doc. Ing. et Ing. Ivo Kuřitka, Ph.D. et Ph.D.
TCPM/TWDMA	Medical Applications of Biomaterials	prof. Ing. Vladimír Sedlařík, Ph.D.
TCPM/TWDTB	Technology of Biocomposites	doc. Nabanita Saha, MSc. Ph.D.
TUTTTK/TWDTE	Thermodynamics and Electrochemistry of Biomaterials	doc. Ing. Marián Lehocký, Ph.D.

\*)Course units CJV/DTAW and CJV/DTTP merged together form 1 compulsory course unit, jointly referred to as English Language in the Individual Curriculum

**Student shall select a minimum of 5 course units, which shall include a minimum of 4 compulsory selective course units and a minimum of one of the other compulsory selective course units, that help improve or broaden knowledge in the specialization depending on the particular topic of the student's doctoral thesis. The course units shall be selected with respect to the multidisciplinary character of the degree course. The English language is prescribed as compulsory. In compliance with the Study and Examinations Rules (SER) of TBU in Zlín, students are allowed to choose also other elective course units upon request by the supervisor and upon approval by the relevant Doctoral Programme Board.**