

INFORMATION for INTERNATIONAL EXCHANGE STUDENTS

Courses for incoming Erasmus+ students and other study mobility students in English:

Courses are opened upon the interest of students at Faculty of Textile Engineering (FT). List of courses is divided according to the study programmes though offer is open for students from both study levels after decision about complexity of the topics. See syllabus: <https://stag.tul.cz/portal/studium/prohlizeni.html>

Students must pay attention and choose subjects from the same level as their study at a home institution.

Students can choose 30 credits (maximum limit 35 credits) per semester. FT cannot guarantee courses from any other faculty and it is recommended to choose from FT offer if students want to enter textile courses. In all cases, students need to study at least half of chosen courses as a sum of credits from FT to be listed as FT students.

FT prefers one semester study mobility. Applications for one year will be accepted only when semesterly mobility gives limited number of students. Results in this case will be send after deadline of applications, which is end of June.

KCJ/CREK - the aim of the Czech Language course is to equip foreign students with basic communicative competence for everyday use. The study of grammar is lessened to minimum and a dominant role has direct study of speech in the most important situations.

Free-mover students can enter same courses as Erasmus+ students. Tuition fee for one semester is 1250 USD (5 months of study and exam period).

At the TUL, all study records about each study programme, subject, timetable events, study results, etc. are recorded in the information system called STAG - Study Agenda. All mobility students need to be logged in. The document Learning Agreement for Study is prepared from the STAG ready for confirmation and signature by home and host universities as the first step of the acceptance process.

Internship/Trainee (research seminar project work):

Students for internship can take bachelor or diploma work course 8 credits per semester and study courses as well. For only internship we can offer 15 credits by course DFT/ZST Foreign Scholarship. It is lab work and resource research with tutor guidance with defined topic. Student can choose topics:

- *New Materials*
Development of composite structures containing inorganic fibres; nanoparticles and textile reinforcement; construction and evaluation of smart textiles.
- *Metrology and New Methods of Quality Evaluation*
Computer aided modelling of textile structures and properties; development of new method in comfort evaluation; quality evaluation of textile processes; automatic inspection of fabric defects.
- *Advanced Textile Technologies*
Development of new technologies for recent methods of textile material processing; development of sensors suitable for use together with textile products; usage of optical fibres and materials with shape memory.
- *Application of Nanotechnologies*
Integration of nanotechnologies in the industry; production and quality improvement of nanofibers and nanofibrous layers; preparation of scaffolds for biomedical applications.

It is necessary to know tutor before acceptance of arrival. Students can consult topic with coordinator.

More info at departmental web pages: <http://www.ft.tul.cz/en/departments>

Information about mobility: <https://www.ft.tul.cz/en/students/international-mobility/erasmus>

Bachelor study programme

Winter semester (September-January)

Course name	ECTS	Course code		Lecturer(-s)
		Dept.	Lesson	
Nonwoven Manufacture	5	KNT	NT	Ing. Jiří Chaloupek, Ph.D.
Textile Nanomaterials	6	KNT	TNA	doc. Ing. Pavel Pokorný, Ph.D.
Technical Textiles	5	KNT	TET	Ing. Ondřej Novák, Ph.D.
Clothing Technology	4	KOD	AJC	Ing. Adnan A. Mazari, Ph.D.
Sewing Process	5	KOD	SPO	doc. Ing. Antonín Havelka, CSc., Ing. Adnan A. Mazari, Ph.D.
Textile Fibres	5	KMI	TXV	Ing. Miroslava Pechočiaková, Ph.D.

Summer semester (February-June)

Course name	ECTS	Course code		Lecturer(-s)
		Dept.	Lesson	
Basic Principles of Textile Structures <i>(opened for more than 3 students)</i>	5	KTT	STR	prof. Ing. Bohuslav Neckář, DrSc., Ing. Monika Vyšanská, Ph.D., Ing. Iva Mertová, Ph.D.
2D and 3D Woven Jacquard Fabrics <i>(opened for more than 3 students)</i>	5	KTT	ZAK1	doc. Ing. Brigita Kolčavová Sirková, Ph.D.
Textile Testing	5	KMI	ZKB	Ing. Blanka Tomková, Ph.D.
Colouristic	5	KMI	COL	prof. Ing. Michal Vik, Ph.D.
Clothing Production	5	KOD	VOD	Ing. Adnan A. Mazari, Ph.D.
Pattern Cutting and Garment Construction	5	KOD	KOS	Ing. Petra Komárková, Ph.D., Ing. Renáta Nemčoková
Knowledge of Textile Goods 2 (typology of fabrics)	7	KHT	ZB2	Ing. Marie Havlová, Ph.D.
Strategy of Textile Goods Sale	6	KHT	SPZ	Ing. Roman Knížek, Ph.D., MBA
Evaluation of Textile Comfort	5	KHT	HKT	Ing. Roman Knížek, Ph.D., MBA Ing. Tereza Heinisch, Ph. D. Ing. Viera Glombíková, Ph.D.

Master study programme

Winter semester (September-January)

Course name	ECTS	Course code		Lecturer(-s)
		Dept.	Lesson	
Construction and Properties of Yarns	6	KTT	KVD	Ing. Gabriela Krupincová, Ph.D., Ing. Monika Vyšanská, Ph.D.
Processing and Utility Properties of Clothing Materials	6	KOD	OM	Ing. Viera Glombíková, Ph.D., Ing. Adnan A. Mazari, Ph.D.
Textile Chemistry	6	KMI	TXC	prof. Ing. Jakub Wiener, Ph.D.
Properties of Fibres	6	KMI	VV	Ing. Miroslava Pechočiaková, Ph.D.
Special Measurement Methods	6	KMI	SMM	prof. Ing. Michal Vik, Ph.D.
Image Processing	6	KHT	ZOD	doc. Ing. Maroš Tunák, Ph.D.
Comfort and Transport Properties of Textiles	6	KHT	CTP	prof. Ing. Luboš Hes, DrSc., Ing. Pavla Těšínová, Ph.D.

Summer semester (February-June)

Course name	ECTS	Course code		Lecturer(-s)
		Dept.	Lesson	
Textile Engineering	5	KMI	TEN	Mohanapriya Venkataraman, M.Tech., M.F.Tech., Ph.D.
Textile Metrology and Quality Control	6	KMI	MHJ	doc. Dr. Ing. Dana Křemenáková, Ing. Jana Zusková, Ph.D.
Composites with Textile Reinforcement	6	KMI	KMT	Ing. Blanka Tomková, Ph.D.
Construction and Properties of Yarns	6	KTT	KVD	Ing. Gabriela Krupincová, Ph.D., Ing. Monika Vyšanská, Ph.D.
Mechanical Technologies of Nonwovens	6	KNT	MNTI	Ing. Tomáš Kalous, CSc.
Medical Textiles	6	KNT	ZDT	Ing. Jiří Chvojka, Ph.D.
Technology of Nanofibers Production	6	KNT	TTN	doc. Ing. Pavel Pokorný, Ph.D.
Theory of Nonwovens	5	KNT	TEN	Ing. Jiří Chaloupek, Ph.D. Ing. Andrea Klápšťová
Theoretical Principles of Clothing Machines	6	KOD	POS	doc. Ing. Antonín Havelka, CSc., Ing. Adnan A. Mazari, Ph.D.

Att: Most courses require knowledge or refresher of technical terminology in English of the basics of **physics, chemistry and mathematics!**

Contacts at FT:

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