

## 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.

All offered courses are open only to more than three interested 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. Students can chose 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 nanofibres 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: <http://www.ft.tul.cz/en/students/erasmus/erasmus-key-data>

### Bachelor study programme

| Course name  | Credits | Semester | Course code  |              | Garantor   |
|--|---------|----------|--------------|--------------|--|
|  |         |          | Depart. code | Lessons code |  |
| Nonwoven Manufacture                               | 6       | Winter   | KNT          | NTE          | Ing. Jiří Chaloupek, Ph.D.   |
| Textile Nanomaterials                              | 6       | Winter   | KNT          | TNA          | doc. Ing. Pavel Pokorný, Ph.D.   |
| Clothing Technology                                | 4       | Winter   | KOD          | AJC          | doc. Ing. Antonín Havelka, CSc.,<br>Ing. Adnan A. Mazari, Ph.D.                    |
| Sewing Process                                     | 5       | Winter   | KOD          | SPO          | doc. Ing. Antonín Havelka, CSc.,<br>Ing. Adnan A. Mazari, Ph.D.                    |
| Textile Fibres                                     | 6       | Winter   | KMI          | TXV          | Ing. Miroslava Pechočiaková, Ph.D.   |
| Technical Textiles                                 | 6       | Winter   | KNT          | TET          | Ing. Ondřej Novák, Ph.D.   |
| Basic Principles of Textile Structures             | 5       | Summer   | KTT          | STR          | prof. Ing. Bohuslav Neckář, DrSc.  |
| Jacquard Weave Techniques                          | 5       | Summer   | KTT          | ZAK1         | Ing. Brigita Kolčavová Sirková, Ph.D.  |
| Spinning   | 5       | Summer   | KTT          | PR           | Ing. Eva Moučková, Ph.D.   |
| Textile Testing                                    | 5       | Summer   | KMI          | ZKB          | Ing. Blanka Tomková, Ph.D.   |
| Colouristic  | 5       | Summer   | KMI          | COL          | doc. Ing. Martina Víková, Ph.D.  |
| Clothing Production                                | 5       | Summer   | KOD          | VOD          | doc. Ing. Antonín Havelka, CSc.,<br>Ing. Adnan A. Mazari, Ph.D.                    |
| Pattern Cutting and Garment Construction           | 5       | Summer   | KOD          | KOS          | Ing. Blažena Musilová, Ph.D.   |
| Knowledge of Textile Goods 2 (typology of fabrics) | 7       | Summer   | KHT          | ZB2          | Ing. Marie Havlová, Ph.D.  |
| Strategy of Textile Goods Sale                     | 6       | Summer   | KHT          | SPZ          | Ing. Petr Štoček   |
| Evaluation of Textile Comfort                      | 5       | Summer   | KHT          | HKT          | Ing. Roman Knížek, Ph.D.,<br>Ing. Tereza Heinisch,<br>Ing. Viera Glombíková, Ph.D. |

## Master study programme

| Course name   | Credits | Semester | Course code  |              | Garantor  |
|---|---------|----------|--------------|--------------|---|
|   |         |          | Depart. code | Lessons code |   |
| Construction and Properties of Yarns                    | 6       | Winter   | KTT          | KVD          | Ing. Gabriela Krupincová, Ph.D.                                 |
| Processing and Utility Properties of Clothing Materials | 6       | Winter   | KOD          | OM           | doc. Ing. Antonín Havelka, CSc.,<br>Ing. Adnan A. Mazari, Ph.D. |
| Textile Chemistry                                       | 6       | Winter   | KMI          | TXC          | prof. Ing. Jakub Wiener, Ph.D.                                  |
| Properties of Fibres                                    | 6       | Winter   | KMI          | VV           | Ing. Miroslava Pechočiaková, Ph.D.                              |
| Special Measurement Methods                             | 6       | Winter   | KMI          | SMM          | prof. Ing. Michal Vik, Ph.D.                                    |
| Comfort and Transport Properties of Textiles            | 6       | Winter   | KHT          | CTP          | prof. Ing. Luboš Hes, DrSc.,<br>Ing. Pavla Těšínová, Ph.D.      |
| Textile Engineering                                     | 6       | Summer   | KMI          | TEN          | Mohanapriya Venkataraman,<br>M.Tech., M.F.Tech., Ph.D.          |
| Colour Measurement                                      | 6       | Summer   | KMI          | MBV          | doc. Ing. Michal Vik, Ph.D.                                     |
| MATLAB Programming Fundamentals                         | 4       | Summer   | KHT          | ZPM          | doc. Ing. Maroš Tunák, Ph.D.                                    |
| Comfort and Transport Properties of Textiles            | 6       | Winter   | KHT          | CTP          | prof. Ing. Luboš Hes, DrSc.,<br>Ing. Pavla Těšínová, Ph.D.      |
| Mechanical Technologies of Nonwovens                    | 6       | Summer   | KNT          | MNTI         | Ing. Tomáš Kalous, Ph.D.  |
| Medical Textiles  | 6       | Summer   | KNT          | ZDT          | Ing. Jiří Chvojka, Ph.D.  |
| Technology of Nanofibers Production                     | 6       | Summer   | KNT          | TTN          | doc. Ing. Pavel Pokorný, Ph.D.                                  |
| Theory of Nonwovens                                     | 5       | Summer   | KNT          | TEN          | Ing. Jiří Chaloupek, Ph.D.,<br>Fatma Yalcinkaya, Ph.D., M.Sc.   |
| Theoretical Principles of Clothing Machines             | 6       | Summer   | KOD          | POS          | doc. Ing. Antonín Havelka, CSc.,<br>Ing. Adnan A. Mazari, Ph.D. |

## Contacts at FT:

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