The Faculty consists of 1 Institute and 7 Departments:
- Institute of Architecture of Textiles
- Department of Man-Made Fibres
- Department of Physical Chemistry of Polymers
- Department of Knitting Technology
- Department of Material and Commodity Sciences and Textile Metrology
- Department of Technical Mechanics and Computer Engineering
- Department of Textile Machine Mechanics
- Department of Clothing Technology and Textronics

Study programmes offered by the Faculty:
- Pattern Designing
- Textile Engineering
- Education of Technology and Information Engineering
- Material Engineering
- Health and Safety at Work
- Science of Commodities
- Logistics, specialisation- Innovative Material Technologies

The Faculty participates in several structural and international projects:

Structural projects financed within the Innovative Economy Programme:
- Textronic system for muscle electrostimulation – designing and testing a textronic system for muscle electrostimulation
- Using biomass for manufacturing environmentally friendly polymer materials – innovating numerous technologies for manufacturing fibrous and composite materials
- Development of the research infrastructure of modern techniques and technologies of the textile-clothing industry – development of the scientific infrastructure of the Faculty of Material Technologies and Textile Design of the Technical University of Lodz
- Biodegradable fibrous products – creating technology for producing textile materials from biodegradable polymers
- Foresight - "Modern technologies for textile engineering. A chance for Poland." – identification of trends in scientific research

International projects realised within the 6th and 7th Framework Programmes of the European Union
- MODSIMTex - Development of a rapid configuration system for textile production machinery based on physical behaviour simulation of precision textile structures
- ProeTEX - Protective and monitoring textiles for the human body
- DIGITEX - Digitally programmed jetting of fluids for multifunctional protective textiles
- LIDWINE - Multifunctionalised medical textiles for wound prevention and improved wound healing

The Faculty of Material Technologies and Textile Design focuses on the following research topics:
- nanotechnologies in textile engineering, composite nano-fibers and fibers of special properties
- technologies of textiles formed from threads
- biomaterials
- technology of water and liquid industrial waste
- physical and bio-physical properties of clothing and clothing design
- textronics
- machine mechanics and vibration, industrial safety of textile machines and devices
- modelling of thermomechanical processes and constructions
- sensitivity analysis, identification and optimisation of mechanical and textile constructions mechanically and thermally loaded
- new techniques and technologies of knitted fabrics used for clothing and technical products, composite preforms, and biomaterials and science of commodities in the field of knitted products
- pattern designing and computer designing of knitted fabrics and products
- designing processes for classic, highly elastic, medical, sports and other knitted products

Dean of the Faculty
Ryszard Korycki Ph.D., D.Sc, Eng prof. of TUL

More information:
Faculty of Material Technologies and Textile Design
Technical University of Lodz
ul. Żeromskiego 116, 90-824 Łódź, Poland
tel: 42 691 33 00, E-mail: dzw4@adm.p.lodz.pl, www.styl.p.lodz.pl