

# Memorandum of Agreement

between

**Technical University of Liberec (Further FT TUL)**

Faculty of Textile Engineering

Studentská 2

461 17 Liberec

Czech Republic

Represented by

Assoc. Prof. Michal Vik, PhD., Vice Dean of External Relations

And

**Rajamangala University of Technology Phra Nakhon (Further RMUTP)**

Bangkok

Thailand

Represented by

Assist. Prof. Nuchalee Upaphai, PhD., Vice-president Planning and Development

1. RMUTP states that quotation for training of 15 participants from Thailand planned for May 2008 has been accepted. The quotation is a part of the agreement in Annex 1.
2. FT TUL will start to organize visit of participants after signature of this Memorandum of Agreement especially accommodation.
3. Payment for training has been agreed in two equal payments:  
The first installment is payable two weeks after issuing the invoice, date of issuing to be agreed by contact persons.  
The second installment is payable two weeks after end of training.
4. The fulfilment of the agreement from RMUTP is subjected to legal regulations and terms laid by laws and regulations in Thailand and funds available. RMUTP may ask FT TUL for postponement of start date of training to comply with laws and regulations and organizing availability of funds.
5. The contact persons for fulfilment of this agreement are  
For RMUTP:  
Assist. Prof. Nuchalee Uapahai, PhD. vice-president Planning and Development  
For FT TUL :  
Pavel Jancik MSc., director industrial projects and training
6. Four copies of this memorandum has been signed , two for each party.

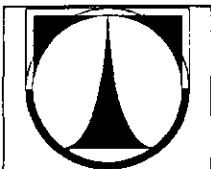
Liberec 28.1.2008



Assoc. Prof. Michal Vik, PhD.  
Vice Dean of External Relations



Assist. prof. Nuchalee Upaphai PhD.  
Vice-President Planning and Development



Technical University of Liberec  
Faculty of Textile Engineering  
Liberec, Czech republic  
Educational Course May 2008



### Offer / quotation:

To: Faculty of Industrial Textiles and Fashion Design  
Rajamangala University of Technology Phra Nakhon  
Thailand

#### About Faculty of Textile Engineering of Technical University of Liberec, Czech republic:

Technical University of Liberec, Faculty of Textile Engineering, Liberec, Czech republic.  
The Faculty is headed by the Dean prof. Miltky, MSc. CSc. EUR ING and consists of 8 departments covering all wide area from textile materials to management of clothing production. The faculty staff is 138. At present studies 1300 students, including 462 MSc. and 81 PhD students. The Faculty organizes International conferences Strutex and Textile Science, has an intensive cooperation with Textile Universities on 5 continents. The Faculty systematically invests into the state of the art lab instruments and semiproduction machines.

#### Course date:

5th May – 30th 2008

#### Language:

All tuition is in English.

#### Lecturers:

The majority of presentations are delivered by full and associate professors. Several lecturers will be delivered by lecturers with PhD. and MSc. degree specialize in presented area or have a vast industrial experience. Professors of Faculty of Textile Engineering are worldwide recognized due to their publications and contribution to theory and modelling of textile processes, participation in editorial boards, breakthrough in industrial production of nanofibers, cooperation with and educational institutions in five continents, acting as visiting professors, consulting for local and international companies, educational institutions and governments, acting as UN experts and participating in international committees.

#### Modules:

The course is modular. Modules The flexible structure enables tailor made changes

Period	Modul
Week 1	Textile materials, textile microscopy, image analysis, defects identification, specialty fibers, yarn structures, smart textiles.
Week 2	Miscroscopy and colorimetry
Week 3	Pretreatment, dyeing and finishing technology, workshops
Week 4	Nanofibers, electrospinning, medical and technical textiles, non woven textiles.

#### Daily structure:

The daily structure is designed to deliver an intensive course but not to overload participants.

Activity	Time	Subject type
Block I	08,00 - 9,45	Core subject e.g. colorimetry, printing or textile materials
Block II	10,00 - 11,45	Core subject
Lunch break	11,45 - 13,00	Lunch
Block III	13,00 - 13,45	Lighter subject or visiting labs
Block IV	15,00 - 16,45	Informative subject e.g. nanotechnologies, technical textiles, spinning and knitting trends.

#### Customisation of the course:

In principle it is possible to customise the course to meet requests of individual participants e.g. adding presentations that are not in the programme. Kindly contacts us with additional requirements.

#### Printed materials:

Each participants will receive printed presentations - about 650 pages in color.



Technical University of Liberec  
Faculty of Textile Engineering  
Liberec, Czech republic  
**Educational Course May 2008**



**Participants:**

The course is tailor made for Thailand Universities.

**Outcomes:**

- Systematical update and deepening of knowledge in the area of participants field of expertise
- Broad information about areas where classical textile is changing to material engineering utilizing special textile features, ideas for high value added products
- Exposure to exact technical scientific description, modelling and solving of industrial processes
- Visits in departmental labs with state of the art instruments to understand their potential and possible utilize them for technical development / problem solving in future
- Stay in a top textile university and straight in heart of worldwide leading institution in development of nanofibers for industrial purposes

**Price and number of participants:**

The price 43 000 USD excluding VAT includes accomodation, transport, teas between presentations, tuition fees and printed materials. The price is payable at registration. The price is payable by a bank transfer before start of the course. The quoted price is a total price for the group of 15 participants (not a price per participant).

**Accomodation:**

In University hostel in 2-3 bed rooms with cooking facilities. The hostel is walking distance to University. If the hostel not available, FT TUL may organize other appropriate accomodation.

**Social:**

During the course will be organised visit of Prague and historical castle Sychrov in vicinity of Liberec. Czech republic is a part of Schengen region, visits to Poland and Germany will be organised during the course.

**Contact:**

Please direct all enquiries to the Pavel Jancik Director: Industrial Projects and Training, email pavel.jancik@tul.cz, +420 485353206, mobile +420724542677, fax 485353542.

25.01.2008