

INFORMATION LETTER – MODULE COURSE – DETAILS OF MODULE

1	Name of the Educational Activity PREPARATORY MODULE COURSE FOR STUDY OF TECHNICAL FIELD AT STU (PMCSTF STU)			
	Name of Module		ELASTICITY (MELA)	
	Provides		Slovak University of Technology in Bratislava (STU) Institute of Lifelong Learning of STU	
2	Organisation form			
	Modular educational course using e-learning in the form of: <ul style="list-style-type: none"> ▪ seminars on areas of study, ▪ practical training to obtain new knowledge and skills, ▪ consultations (in person, in written form, on-line). The training is organised in one cycle for 6 weeks. The applicant is required to send a filled-in signed application form in Institute of Lifelong Learning of STU, Vazovova Street 5, 81243 Bratislava. Contact: jazykove.centrum@stuba.sk ; www.stuba.sk; Mobil: + 421917669198			
3	Target groups		Those interested in studying technically oriented fields, STU students and foreign students.	
4	Required initial education		secondary school-leaving certificate	
5	Graduate's profile			
	The graduate will obtain knowledge of basis of applied sciences and engineering, and will use his knowledge of Elasticity in theoretical and practical applications; he will be prepared for pursuing the study programme in the selected faculty of the STU. He will adapt his professional knowledge to the conditions of practice.			
6	Methods			
	Lectures, seminars, theme work, consultations, individual study			
7	Volume of MELA		28 hours	
			of which theory	15 h
			of which praxis	13 h
8	Study plan of MELA			
Headline of the topic		Number of hours	Theory	Praxis
MELA				
1. Basic stress-strain states.		10	5	5
2. Stress state analysis. Deflection lines of beams, strain and deformation.		10	5	5
3. Advanced stress-strain states.		8	5	3
Total		28	15	13
9	Assessment			
	Continuous assessment - tests, exercises, examples ...			
10	Form of final examination – theoretical – practical			
Theoretical: The examinations are held in written and oral form at the conclusion of the module. Written: Final test with a success rate of over 60%. Oral: At the end of the course. After successful completion of the module the student will obtain a certificate. Completing the module will increase the prerequisites for successful mastering the admission examinations and subsequent study. Price of course: EUR 98,00 (28 hours)		Practical Exercises oriented at verification and acquisition of professional knowledge in subject of Elasticity and its application to study branches in which the students mean to specialise in their further study in the higher education institution.		
11	Material and Technology Equipment			
	Premises Institute of Lifelong Learning of STU, Vazovova Street 5, 812 43 Bratislava. Equipment, teaching aids: desks for students, PCs, feedback projectors, screens, recorders and players, flipchart, study texts in print, on CD and on-line, data projector. Study materials: Dický J., Mistríková Z., Sumeč J.: Theory of Elasticity and Plasticity.			

* The curriculum, in the case of interest, is available at the Language Centre ILL STU.