



Selected Lessons in Experimental Mechanics

(Learning text for the subjects LA 1 and LA 2 for the consequent Master's education at FM TUL)

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Editor and publisher: LENAM, s.r.o., Klostermannova 690/15, 460 01 Liberec

Published: in Liberec, 2006



INTRODUCTION

The presented learning text gives a brief grounding of Elastomechanics necessary for creation of simple strain-gauges for measuring elastic deformations of mechanical parts. These „theoretical“ lessons are to be continuously followed by laboratory practice where the students will independently realize strain-gauges for bending, torsion and pressure in a thin-walled vessel, for impact loading and stress at a notch. The aim of this 40-lessons syllabus is formation of the first practical experience with measurement of deformations in machine parts loaded both in static and impact way.

The learning text was created within realization of the project „**Innovation and Realization of the Specialization Mechatronics in the context of Industrial Requirements**“, which is being solved at the FM TUL and in which the European social fund participates (Operational programme „Development of Human Sources“, Acquisition No.3.3.2, Project Registration No. CZ. 04.1.03/3.2.15.1/0110).