

High Education of Ergonomic in Polish Forestry

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Abstract: *Currently in Poland, forestry education at the university level is carried out on three university Faculties of Forestry (in Krakow, Poznan and Warsaw). They are trained in three levels - in accordance with the principles of the Bologna system, at the level of engineering, master's and doctoral. In addition, the training takes place in a forest six professional colleges (state and private) operating at the direction of forestry engineering (undergraduate). Every year in Poland, are studying in all types of forest colleges and faculties about 5,400 students. In the years 2006 - 2010 diploma of higher studies of forestry received an annual average of 740 graduates (Grzywacz, 2012).*

The three university Faculties of Forestry teaching "Ergonomics and labor protection" occurs at the level of engineering. The program of study includes, usually for 5 or 6 semester, 15 hours of lectures and 15 hours of practice. In addition, the Faculty of Forestry in Krakow conducted a one-day (6 hours) field exercises of ergonomics during the field activities with students of the logging. Typically, the subject of ergonomics is taught in the Departments of Forest Utilization by their staff specialized in the field of ergonomics.

The scope of training foresters in the field of ergonomics consists analysis of system a man - work, elements of feedback and components of process control work, theories of system models working in forestry, elements of psychology and physiology of work, methodologies for estimating workloads in forestry, diagnosis and optimization of ergonomics factors operating in the forest in the field of noise, vibration, exhaust, fatigue of work, office work factors and the impact of computers on employees, hazard analysis of accidents in forestry and their prevention.

At present in Poland, staff specialists at the university level education in the field of ergonomics in Polish forestry are: 2 full professors (Krakow, Poznan) and 3 associate professors (Krakow, Poznan, Warsaw), and 1 assistant professor (Warsaw). In addition, the Faculty of Forestry in Krakow in the Department of Forest and Wood Utilization conducts three PhD students in the field of ergonomics in forestry.