

MEASURING OF WORKING ENVIRONMENT CONDITIONS IN COLLEGE OF APPLIED SCIENCES UŽICE

Nataša Ćirović, PhD; Nenad Milutinović, MSc; Dragoslav Arsović
College of Applied Sciences Užice, 34 St. Sava's Square, Užice, SERBIA

Abstract: *The employer is obliged to provide a healthy and safe workplace for the employees. According to the Regulation on preventive measures for safe and healthy work in the workplace ("Off. Gazette of RS", no. 21/2009 and 1/2019), depending on the work and the physical load of employees, the workplace needs appropriate temperature, humidity and air flow.*

If all the positive effects of well-defined microclimate ambient were taken into account and brought into conjunction with work productivity, it would be seen that in this case the influence of microclimate conditions, as a conceptual solution of the working environment protection system, is just another in a series of primary factors affecting efficiency of production/work process.

In closed working rooms, the microclimate is adjusted in order to create optimal working conditions. Generation of these conditions depends on the latitude, the altitude and the season. For certain geographical areas, heating of rooms is necessary, while other areas needs protection measures.

Key words: *measuring of working environment conditions, microclimate, temperature, relative air humidity, air flow rate, illumination*