

## **Abstrakt v AJ**

Vaňkát, Michal - Methods of measurement of illumination and practical measuring in study rooms on faculty

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With my Thesis I occupy with measurement and assessment of artificial, day and joint illumination in chosen teaching rooms of 1<sup>st</sup> faculty of medicine Charles University in Prague, concretely in study rooms of Institute of Science Information and auditory and autopsy rooms of Anatomical institute.

In theoretical part of my work I occupy with physical description radiation, light and illumination which is important for their practical measurement and assessment. I occupy also with physiology of visual perception, description of artificial light sources and principles of illumination by day light, so as measuring instruments, quantities which are used to describe illumination.

In practical part I summarize advancement and methods of measuring illumination. The estimate of measuring error includes. The outputs of practical measurement are compared with valid norms and recommendations. In conclusion of each room is including not only its suitability but even the recommendation to improve actual state.

From results of our measurements comes out that all measured rooms of faculty mostly satisfy valid norms.

### **Key words**

Light

Illumination

Sunlight

Vision, Ocular

Light sources