
THE POSITION AND ROLE OF PHYSICS WITHIN THE COLLEGE POLYTECHNICAL SCHOOLS OF APPLIED STUDIES

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Within the Serbian college schools, physics, as a subject, has been losing its position and importance for years. The level of its studies and the annual number of lessons has been significantly reduced, and in many schools physics has been completely abandoned as subject. Within the college school system, there is a process of reforming according to European standards proclaimed by the Bologna Declaration. It is also an opportunity to improve and modernize physics as a school subject and to bring it back to the place where it belongs and deserves to be. This paper represents a modest contribution to the efforts for returning physics, as a fundamental science, into the system of education, and especially into the system of college schools of applied studies. The greatest importance is given to the process of physical laboratories modernization and computing centres. The practical knowledge and skills which students gain in the laboratories represent the base for achieving the knowledge of the technical subjects, and active participation of the future engineers in the managing the process of production.