

# INGINERIE ȘI DESIGN: PROCESUL DE ÎNVĂȚARE ȘI DEZVOLTARE LA NIVELUL PRIMULUI AN

## ENGINEERING AND DESIGN: FIRST YEAR LEARNING AND DEVELOPMENT

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**Abstract:** Since communication and design are two of the most important aspects of engineering practice, a model for an integrated technical writing and design course is proposed. Both are open ended problems that require complex thought processes, and involve reflection and iterations to approach a final solution. Compared to many other aspects of the engineering curriculum, communication and design are not only difficult for students to master, but also difficult for faculty to teach and to assess, especially in the case of large classes. The paper shows how to best integrate design and technical writing, and explains the benefits of this new approach from students' perspective.

**Keywords:** Communication, Design, Problem-based learning, Project management.