

**Course:** Economics of design and investment process

**Lectures:** Basic concepts for estimating costs of construction work . Cost structure in construction. Types and methods of cost estimation in construction. Stages of project documentation and corresponding stages of cost estimation documentation. Estimating investment costs at the stage of Technical and Economic Assumptions (TEA) and Technical Project (TP). Methods for estimating project work costs. Initial estimates of construction works. Types of cost estimates in construction. Estimation of cost components of construction work. Methods for cost estimation. The role of cost estimates in tenders. Rules for making cost estimates. Normative and price bases. Estimation of design work costs in particular industries.

**Project:** Project exercises consisting in preparing a bill of quantities and then cost estimation of construction work, according to a specified scope of work, using one of the available applications for computer aided cost estimation.

**Responsible person:** Grzegorz Misztal Ph.D. Eng.

**More info:** <https://webapps.uz.zgora.pl/syl/index.php?/course/showCourseDetails/1169121>