

Abstract

## Uncertainty in the Classroom †

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**Abstract:** One of the more technically challenging concepts in quality assurance is the appropriate quantification of the uncertainty of measurement. Consequently, there must be an adequate emphasis on didactic approaches to ascertain that the student is not just educated about pertinent aspects, but actually can apply the necessary procedures in his/her own field of expertise. “Student”, in this context, can denote very different stages in a career, from first-year students to doctoral students, as well as seasoned practitioners. Correspondingly, the teaching of measurement uncertainty can be quite diverse. In this contribution, specific examples of learning approaches towards “skills” will be provided based on past personal experience.

**Keywords:** uncertainty; undergraduate education; teaching

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