

Table 1. Modeling measurement uncertainties for the university level with four dimensions, corresponding concepts, and sub concepts.

<b>Dimension</b>	<b>Concept</b>	<b>Sub Concepts</b>		
<b>Existence of Uncertainties</b>	Sources of Uncertainty	Finite Number of Digits and Scale Marks Represented by Measurement Instruments		
		Influences on Quantities	Repercussions of the Measuring System	
			Environmental Influences	
			Imperfection of Measurement Instruments	
		Mathematical Calculations		
	Human Influence			
	Distinguishing Uncertainty from Error	Definition and Properties of Measurement Error	Systematic Error Random Error	
		Definition and Properties of Measurement Uncertainty		
<b>Handling of Uncertainties</b>	Measuring Objective	Lack of Knowledge About the "True" Value of a Quantity		
		Striving for an Adequate Measurement Uncertainty	Setting a Maximal Value for the Measurement Uncertainty Adjusting the Measurement Process	
	Result of a Measurement	Measurement Model		
		Measurement Result as a Summary of the Known Information About a Measurand Documenting Measurement Results		
<b>Assessment of Uncertainties</b>	Direct Measurement: Assessing a Single Uncertainty Component	Modeling a Probability Density Function	Type A Evaluation of the Probability Density Function Type B Evaluation of the Probability Density Function	
		Analyzing a Probability Density Function	Form of the Probability Density Function Evaluating the Best Approximation of a Measurand Evaluating the Standard Uncertainty	
		Degree of Freedom		
		Uncertainty Budget		
		Indirect Measurement: Propagation of Uncertainty	Propagation of Measurement Uncertainty	Step-By-Step Evaluation of the Combined Uncertainty
	Sums/ Differences of a Measured Quantity Value and an Exact Number Products/ Quotients of a Measured Quantity Value and an Exact Number			
	Any Given Function of a Measured Quantity Value			
	The Law of Propagation of Uncertainties			
	Evaluation of the Resulting Probability Density Function			
	Propagation in the Case of Correlated Inputs Degrees of Freedom of the Result With Different Uncertainty Components			

	Expanded Uncertainty	Choosing the Coverage Factor When Assuming a Normal Distribution			
		Choosing the Coverage Factor in the Case of Other Probability Density Functions			
<b>Conclusiveness of Uncertainties</b>	Reliability of a Measurement and the Result	Precision of the Approximation of the Measurand			
		Coverage Probability			
		Conclusions Regarding the Measurement			
	Comparison of a Result with other Values	Comparison of a Measurement Result With a Reference Value	Compatibility of Measurement Results		
			Measurement Trueness		
		Comparison Within a Series of Measurements	Measurement Precision	Repeatability	
				Intermediate Precision	
	Fitting Data to an Expected Curve	Checking for Proportionality Using a Graph	Anomalous Data in a Series of Measurements		
			Partial Proportionality		
			Anomalous Data Points		
		Least-Square Fitting			