

Module number	Module name	Professor in charge
	Geodesy	Prof. Wanninger
Contents and qualification aims	<p>The module provides an introduction to the various aspects of geodetic techniques including sensor technology and collection, administration, and visualization of spatial information in hydro science.</p> <p>At the end of the module the students know the most important geodetic techniques of data acquisition and data processing. They will be able to select appropriate geodetic techniques for various applications.</p>	
Teaching form	2 hours a week lectures, 1 hour a week, tutorial	
Pre-requisite of attendance	<p>Basic knowledge of mathematics, statistics, and physics. Literature: Wolf, P.R., Ghilani, C.D. (2005): Elementary Surveying. 11th edition, Pearson Prentice Hall, Upper Saddle River, NJ, USA. Kavanagh, B.F. (2003): Geomatics. Prentice Hall, Upper Saddle River, NJ, USA.</p>	
Usage	The module is a mandatory module.	
Pre-requisite to achieve credit points	Credit points are achieved by passing the written exam of 90 minutes. Pre-requisite for the participation in the exam is the successful participation in at least 70% of the offered practicals which include assignments.	
Credit points and marks	<p>The module earns 5 cr. The mark is based on the result of the written exam.</p>	
Frequency of the module	The module is offered once a year in the winter semester.	
Work load	The work load is 150 hours.	
Duration of the module	The module is finished in one semester.	