
Target group	The course is intended for people who either already have a basic knowledge of survey or are acquainted with the terminology used, but are also interested in substantiating this knowledge by means of a mathematical approach.
Preliminary training	Using / knowledge of survey terminology or the "Survey: Introduction Hydrografy" course. Furthermore, a basic knowledge of mathematics on at least HAVO level is required.
Contents	<p>After this course the students will have gained a better understanding of the mathematical techniques used for measurements. This accounts for the necessity of the basic knowledge of mathematics to be able to follow this course, in which calculation examples from actual practice are used.</p> <p>The following subjects are dealt with:</p> <ul style="list-style-type: none">• Grid coordinates and KP systems• Mathematical calculations in the flat surface• Astronomical calculations• Calculations at positioning• Calculus• Matrix algebra• Volume calculations• Catenary curves• Statistics and accuracy• Least squares method• Interpolation techniques• Kalman filtering
Duration	3 days, lessons from 09.00 to 16.30
Price	€ 1.100,- exclusive VAT including lunch, book(s)/handouts
Starting date	On request
Completion	Certificate of attendance
Particulars	If there is sufficient interest, the course can – on request for a quotation – be given at any desired location. This course also serves as the basic training for the "Survey: Geodesy" course.
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