

Course-specific competences

Course code: TKV18MA03

Course name: Functions and Equations 2

Competences

Criteria for Assessment

	1	3	5
Functions	Is able to analyze graphs and understands the basic concepts for different kind of functions	Is able to draw graphs and determine domain and range for different kind of functions	Is able to solve inequalities
Exponential and logarithmic equations	Is able to solve basic exponential equations	Is able to solve ordinary exponential and logarithmic equations	Is able to solve more demanding equations and problems that includes exponential- or logarithmic expressions
Trigonometric equations	Is able to solve basic trigonometric equations	Understands and can use the formulas for rewriting trigonometric expressions	Is able to solve more demanding trigonometric equations
Complex numbers	Is familiar with complex numbers, complex solutions to polynomial equations	Is able to express a complex number in arithmetic and polar form	Is able to use complex numbers for solving technical problems
Using models and solving problems	Is able to understand and use a basic mathematical model. Is familiar with a mathematical calculation program	Understands and can use a mathematical model. Is able to use a mathematical calculation program	Is able to apply mathematical models to different technical problems. Is able to successfully use a mathematical calculation program

Made by:

NN

Checked by:

UA

Approved by:

AC

Valid in curriculum

2018