

Course description

Course code: MAP18MT / MAP8MT04

Courname: Applied Mathematics

Extent of studies: 3 ECTS

Recommended Progression of Studies: 2nd year

Prerequisites: Functions an equations 1, Geometry and equations, Functions an equations 2 Derivator and integrals

Course-specific Competences (matrix): Look at the matrix

Language of instruction: swedish

Courses included in the Study Module: Technical Drawing
3D Design
Materials
Applied Mathematics

Administering Degree Programme: Mechanical and Production Engineering xxxxx

Course-specific competences

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Course name: Applied Mathematics

Geometry and Vectors

Competences

Criteria for Assessment

	1	3	5
Statistics and Mathematics Calculations	Know the basics of statistics and can perform simple calculations	Is engaged in statistics and can perform relevant calculations	Is well-trained in statistics and can perform more advanced statistical calculations
Mathematics Regression	Know the basics of regression analysis	Is familiar with the concept of regression and can perform curve fitting of technical models	Can independently perform curve fits and regressions of more advanced technical models
Data Programming in Mathematics	Can use a calculation program for solving basic problems	Can use a calculation program for solving applied problems	Can use more than one computing program to solve problems in mechanical engineering

Made by:

Checked by:

Approved by:

Valid in curriculum

Rög.I-B 3.3.2018

HS 5.3.2018

HS 5.3.2018

2018