SYLLABUS

Applied Mathematics Intermediate Course 7.5 credits M0026M

Tillämpad matematik fortsättningskurs

Course syllabus admitted: Autumn 2012 Sp 1 - Spring 2013 Sp 3

DECISION DATE
2012-03-14

Luleå University of Technology 971 87 Luleå, Sweden
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LULEÅ TEKNISKA UNIVERSITET

Applied Mathematics Intermediate Course 7.5 credits M0026M

Tillämpad matematik fortsättningskurs

First cycle, M0026M

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G#	Matematik	Mathematics

Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language and Course in mathematics equivalent to level A at the university.

Selection

The selection is based on 1-165 credits.

Examiner

Thomas Gunnarsson

Course Aim

The course is intended to give an orientation to some specific fileds within applied mathematics.

Contents

The course consists of theory and examples are taken from dimensional analysis and scaling, perturbation methods, calculus of variations, partial differential equations, transform theory, Hamiltonian theory, integral equations, dynamical systems, chaos, stability and bifurcations.

Realization

Each course occasion´s language and form is stated and appear on the course page on Luleå University of Technology's website.
The course is entirely intended to be studied on the internet, with email contacts with teacher.

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided.
Consists of written exam or hand-in exercises.

Remarks

Webpage http://www.sm.luth.se/~johanb/applmath/

Overlap

The course M0026M is equal to MAM276

Literature. Valid from Autumn 2007 Sp 1

Course offered by

Department of Engineering Sciences and Mathematics

Items/credits

Number	Type	Credits	Grade
0006	Assignments with oral exam	7.5	U G#

Last revised

by Dept. TVM Mats Näsström 2012-03-14

Syllabus established

by Institutionen för matematik 2007-09-03