LINKÖPINGS UNIVERSITET
Matematiska institutionen
Transform theory

Utbildningskod: **TATA57**
Modul: **TEN1**
Datum: **2024-06-01**
Institution: **MAI**

Exam in Transform Theory
TATA57/TEN1 2024-06-01

You are permitted to use:

- Transformteori - Sammanfattning, Formler & Lexikon (from MAI);

- Table of Formulæ (by Johan Thim). This one is included at the end of the exam.

- A calculator (with cleared memories).

Swedish version of the exam comes after the English version. You may answer in Swedish or English.

Each problem is worth 5 points (for a total of 35 points). No half-points will be awarded in the grading. A solution is deemed good if the question is awarded at least 3 points out of 5. For grade n, you need at least n good answers.

ERASMUS students will have their grades marked according to the scale: A = grade 5, B = grade 4, C = grade 3.

Grading: for grade 3, you need to show that you have achieved all intended learning outcomes. A sufficient way of proving this is:

- At least 15 points in total;

- Points on assignments for all four parts of the course;

- At least 3 good solutions (awarded at least 3 out of 5 points).

Your solutions need to be complete, well motivated, carefully written and concluded with a clear answer. Be very careful with motivations since these are a huge part of your solutions. Make sure to point out that conditions in theorems you are using hold. Assumptions you make need to be explicit. The exercises are not necessarily in order of difficulty.

Solutions can be found on the homepage a couple of hours after the finished exam.