

Blekinge Institute of Technology Department of Mathematics and Natural Science

COURSE SYLLABUS

Diskret matematik

Discrete Mathematics for Software Technology

7,5 ECTS credit points (7,5 högskolepoäng)

Course code: MA1484 Educational level: First cycle Course level: G1F Field of education: Natural sciences Subject group: Mathematics

1 Course title and credit points

The course is titled Discrete Mathematics for Software Technology/Diskret matematik and awards 7,5 ECTS credits. One credit point (högskolepoäng) corresponds to one credit point in the European Credit Transfer System (ECTS).

2 Decision and approval

This course is established by Dean 2017-02-15. The course syllabus was revised by Head of Department of Mathematics and Natural Science and applies from 2017-08-28. Dnr: BTH-4.1.1-0275-2017 Replaces: MA1428

3 Objectives

The purpose of the course is to introduce mathematical concepts, methods and problem solving approaches within discrete mathematics and give a foundation for continued studies in mathematics and computer science.

4 Content

5 Aims and learning outcomes

6 Learning and teaching Swedish

7 Assessment and grading

Examination of the course				
Code	Module		Credit	Grade
1710	Written	examination	7.5 ECTS	A-F

The course will be graded A Excellent, B Very good, C Good, D Satisfactory, E Sufficient, FX Fail, supplementation required, F Fail.

8 Course evaluation

The course coordinator is responsible for systematically gathering feedback from the students

Subject area: Mathematics Version: 5 Applies from: 2017-08-28 Approved: 2017-04-26

in course evaluations and making sure that the results of these feed back into the development of the course.

9 Prerequisites

Attended MA1476 Matematisk introduktion.

10 Field of education and subject area

The course is part of the field of education and is included in the subject area Mathematics.

11 Restrictions regarding degree

The course cannot form part of a degree with another course, the content of which completely or partly corresponds with the contents of this course.

12 Course literature and other teaching material

Eriksson, K., Gavel, H., (2013 eller senare), Diskret matematik och diskreta modeller, Studentlitteratur AB, ISBN: 9789144089997

