Algebraic Structures, Spring semester 2016

Programme (for the second edition book)

Lectures start Tuesday 16.1 at 15.15 in room 309A. The course continues on Tuesdays 15.15–
15.00 in room 309A and Fridays 13.15-15.00 in room MH:H (MH:G 26/1 and 2/2). Each
Thursday at least half of the time will be devoted to exercises, where the students will be able
to discuss their solutions and ask other questions.

pages.

Office hours: Fridays 12.05–12.35 MH:453B,
Lecture: Victor Ufnarovski,
E-mail: ufn@maths.lth.se

Tuesday 16/1     Study: Chapter 1
                 Solve:

Friday 19/1      Study: Chapter 2
                 Solve:  1.1: 5, 7, 1.2: 13, 29, 1.3: 20, 25, [1.1: 1, 3, 6, 1.2: 19, 28,
                        1.3: 2, 18, 1.4: 4]

Tuesday 23/1     Study: 3.1 and 3.2 until page 59
                 Solve:  2.1: 19, 20, 2.2: 5, 10, 2.3: 5, 6, [2.1: 9, 23, 2.2: 6, 8, 2.3:
                                 9, 11]

Friday 26/1      Study: the rest of 3.2 and 3.3
                 Solve:  3.1: 7, 24, 38, 3.2: 34, 35 [3.1: 19, 35]

Tuesday 30/1     Study: 4.1 and 4.2
                 Solve:  and hand in 3.2: 17, 3.3: 29, 30, 38

Friday 2/2       Study: 4.3 and 4.4
                 Solve:  4.1: 6, 13, 19, 4.2: 5a),c),f), 12, [4.1: 4, 13, 4.2: 4, 8]

Monday 6/2       Study: 5.1–5.3

Please, turn over!
Tuesday 6/2  Solve: 4.3: 12, 23, 4.4: 11, 24, 26, [4.3: 13, 14, 4.4: 10, 28]

Friday 9/2  Study: 6.1, 6.2
Solve: 5.1: 12, 5.2: 6, 15, 5.3: 2, 8, [5.1: 11, 5.2: 14, 5.3: 9]

Monday 13/2  Study: 7.1

Friday 16/2  Study: 7.2, 7.3
Solve: 7.1: 5, 11, 14, 27, 31, [7.1: 8, 15, 21, 30]

Tuesday 20/2  Study: 7.4 and 7.9 until page 221
Solve: 7.2: 14, 36, 7.3: 7, 15, 41, [7.2: 16, 33, 7.3: 3, 17, 49 b]]

Friday 22/2  Study: the rest of 7.9 and 7.5
Solve: 7.4: 13, 28, 35, 7.9: 16, 19, [7.4: 24, 29, 7.9: 13, 14]

Tuesday 27/2  Study: 7.6, 7.7
Solve: 7.9: 11, 26, 7.5: 8, 13, 17, [7.9: 17, 32, 7.5: 3(e), 15, 25]

Friday 2/3  Study: 7.8
Solve: 7.6: 16, 30, 7.7: 8, 23, 25, [7.6: 10, 33, 7.7: 17, 18, 21]

Tuesday 6/3  Study: 10.1–10.2
Solve: 10.1: 6, 14, 17, 21, [7.8: 1(e), 18, 19, 25]

Tuesday 9/3  Study: 16.1–16.2
Solve: 10.1: 35, 10.2: 20, 22, [10.1: 34, 10.2: 18, 23]

The exercises within [ ] are “suggested additional exercises”, and there will probably not be time to discuss these in the class room.

Written exam takes place Tuesday March 17, 8.00–13.00 in MA:10. Associated oral exams during the period March 21 – April 4.

This schedule is available on
www.maths.lth.se/course/algstr/

There are also examples of previous years final exams.