

MATH 1300-D WEEK 4

SECTIONS 3.4–5 AND 8.1; PAGES 115–128 AND 378–385

ABSTRACT. A stone cannot fly. My mother cannot fly. Hence, my mother is a stone. Or is she; what actually constitutes a valid argument? Truth tables and Euler diagrams help us to decide.

SECTION 3.4

Reading. Make sure that you understand what is behind the words:

- (1) Premise and conclusion.
- (2) Fallacy of the converse
- (3) Fallacy of the inverse.

Self-assessment. To verify that you have understood the material, solve the following problems at the end of the section: 1–4, 15–16, 30, and 31.

SECTION 3.5

Reading. Make sure that you understand what is behind the words:

- (1) Syllogism.
- (2) Counterexample to syllogism.
- (3) Euler diagram.

Self-assessment. To verify that you have understood the material, solve the following problems at the end of the section: 3–8, 21, and 24.

Now take Quiz-06; you need to score 75% on this quiz before you can start working Homework-06, which is due on Thursday 17 September.

SECTION 8.1

Reading. Make sure that you understand what is behind the words:

- (1) Percentage.
- (2) Inflation.

Self-assessment. To verify that you have understood the material, solve the following problems at the end of the section: 1–4, 42, and 52.

Now take Quiz-07; you need to score 75% on this quiz before you can start working Homework-07, which is due on Monday 21 September.