



MHF 3202 (Section 4628)

Time and Location

MWF Period 3 (09:35-10:25) LIT 219

Office hours

TBA

Text

D.J. Velleman, 'How To Prove It' (Second Edition)

Topics

We shall cover selected topics from the adopted text, as follows: Chapters 1 and 2 will be covered in their entirety during the first three weeks or so; during the next three weeks or so, we will sample the proof techniques contained in Chapter 3; topics to be addressed in the remainder of the semester will be drawn from the rest of the text and will be determined in part by the interests of the class. The development of critical skills and proof techniques is an important aim of the course, at least as important as the acquisition of factual information.

Policies

There will be four equally-weighted in-class tests at intervals of three or four weeks; testing dates will be listed below during the first week of semester. Homework problems (see the developing list below) will be assigned and discussed but will not contribute towards the grade, which will be assigned on the basis of performance in tests according to the following scale: A 90%, B 80%, C 70%, D 60%, with 3% increments above/below for plus/minus grades. Make-up tests will be offered in case of illness and other standard documented reasons. For additional information on policies and related matters, please see the pdf file "Policies plus" at the [Files](#) page.

Homework

- 1.1: 3, 4, 5, 6, 7bc
- 1.2: 3, 4, 6, 7bc, 8, 12, 14, 17, 18
- 1.3: 2, 6, 7, 8
- 1.4: 2, 4 (not by Venn diagram), 5, 7, 8, 9, 12 (not by Venn diagram)
- 1.5: 2, 5, 6, 7, 9, 10
- 2.1: 1, 2, 3, 5, 6
- 2.2: 2, 7, 8, 11, 12
- 2.3: 2ab, 4, 5, 10, 11, 12b, 14
- 3.1: 5, 6, 8
- 3.2: 2, 3, 4, 5, 12
- 3.3: 2, 3, 9, 10, 17
- 3.4: 2, 4, 5, 21
- 3.5: 2, 4, 5, 8, 22, 27

Sample Tests

Test dates

- 1)
- 2)
- 3)
- 4)