MATHEMATICAL PROOF, MATH 220

1. General Information

- Course: Math 220, Winter Term 2, Jan-April 2025.
- Rachel Ollivier (203, 204, IIC) Dragos Ghioca (20M)
- Hours and location: see information posted on Canvas.
- Text PLP: An introduction to mathematical proof by S. Demirbas and A. Rechnitzer.
  `https://personal.math.ubc.ca/~andrewr/PLP/`

2. Syllabus

Sets and basic definitions: PLP 1
Logic, truth tables etc: PLP 2
Direct Proofs: PLP 3
Contrapositive Proof: PLP 5
Logic, quantifiers, negation, disproof, existence proof (brief discussion) PLP 6
Induction PLP 7
Sets PLP 8
Relations PLP 9
Functions PLP 10
Proof by contradiction PLP 11

3. Homework

The weekly homework is posted on Canvas

4. Midterms

The two midterms dates are posted on Canvas

5. Grades

Your final grade will be computed as the maximum of the following:
Homework 20%, Midterms 15%+15%, Final exam 50% or
Homework 20%, Best midterm score 20%, Final exam 60%.

The grades of those students who miss a midterm will be computed by the second method.