Topics VU Summer Course EOR 2018

1. Functions
   Sets, functions, range, injectivity

2. Exponential and Logarithmic Functions
   Definition, rules of calculation, equations with exp and log

3. Limits
   Notion of limit and infinity, limits of rational functions, rules for limits

4. Sequences and series
   Notions of sequence and series, convergence, rules for limits of sequences

5. Differentiation
   Definition, rules for differentiation, rules for exp and log

6. Analysis of functions
   Minima and maxima, higher derivatives, approximation with polynomials

7. Integration
   Antiderivation, area, integral