The exam is on Wednesday, November 19. During the exam you can use books and notes, both paper and electronic. The exam will consist of 4-6 problems related to some of the following topics:

- 1. Riemann integral, integrable functions.
- 2. Properties of integral.
- 3. Mean value theorems for integrals.
- 4. Integral inequalities.
- 5. The fundamental theorem of calculus.
- 6. Integration by parts and substitutions.
- 7. Improper integrals.
- 8. The arc-length of a curve.
- 9. Taylor polynomials, the Taylor-Maclaurin formula.
- 10. Operations on functions and their Taylor polynomials
- 11. Taylor polynomials of basic functions.
- 12. Application of Taylor polynomials.
- 13. Remainders in Taylor's formula.