

1 Regulations

1.1 Tutorials

- Attending tutorials is obligatory
- On tutorials students will take two written tests for 20 points each. To receive credit for tutorials a student needs to obtain more than 20 points.
- At the end of the term student will get mark based on the number of points he get.

Points	Mark
0 - 20	2
21 - 24	3
25 - 28	3,5
29 - 32	4
33 - 36	4,5
37 - 40	5

- If student doesn't get 21 points, at the end of the term there will be additional test. To get credit for tutorials student needs to obtain at least 65% points from this test.

1.2 Exam

- Only students who have passed the tutorials can take the exam.
- The exam consists of two parts - written and oral. The final mark is based on both parts of the exam and mark from the tutorials.
- Student who gets less than 50% points from the written part doesn't pass the egzam.
- Student who gets at least 50% points from the written part could be offered a mark. If he doesn't accept it, he take the oral part of the exam.
- If the mark from the exam is positive (> 2), then the final mark is calculated from the formula: 0,4 times tutorials mark plus 0,6 times exam mark.
- Additional materials and calculators are not allowed during the tests and exam.
- Using mobile phones during the exam and tests is strictly forbidden.

2 Syllabus

1. Ordinary differential equations
2. Series
3. Sequences and series of functions, power series, Fourier series
4. Elements of differential geometry

Books:

- Ordinary Differential Equations, M. Tenenbaum, H. Pollard
- Differential Equations With Applications And Historical Notes, G. F. Simmons
- Differential Geometry, E. Kreyszig