Classes:

Student has to participate in classes and write 3 tests. Tests are pointed.

Test No 1 - 12 points

Test No 2 - 12 points

Test No 3 - 12 points

Evaluation:

5,0 (A) 100-96% of total number of points

4,5 (B) 95%-86% of total number of points

4,0 (C) 85%-76% of total number of points

3,5 (D) 75%-66% of total number of points

3,0 (E) 65%-51% of total number of points

2,0 (F) less than 51% of total number of points

Lectures (exam)

Written exam (student has to solve practical and theoretical problems) The problems are pointed.

Evaluation:

5,0 (A) 100-96% of total number of points

4,5 (B) 95%-86% of total number of points

4,0 (C) 85%-76% of total number of points

3,5 (D) 75%-66% of total number of points

3,0 (E) 65%-51% of total number of points

2,0 (E) less than 51% (F) of total number of points

Theoretical mechanics - exam – theoretical problems

1. Moment of a force about a given point
2. Statics axioms
3. Concurrent coplanar force system (System of converging forces)
4. Parallel coplanar force system
5. Coplanar force system
6. Non coplanar (or spatial) force system
7. Concurrent non coplanar (spatial) force system
8. Theorem of three not parallel forces

9. Degree of static indeterminacy
10. Truss - degree of static indeterminacy
11. Truss - definition, methods of solution of trusses: method of joints, method of sections
12. Static friction and kinetic friction
13. Centers of gravity for homogeneous bodies
14. Centers of gravity - plane (surface) material