

Mathematics I

This course is intended for foreign students studying at our faculty and domestic students who registered it.

Content:

Introduction to linear algebra - vectors, vector spaces, matrices, determinants, systems of linear equations. Analytic geometry in E3 - straight lines and planes. Calculus of functions of one variable - limit, continuity, derivative, extremes, behaviour of a function, indefinite integral, methods of integration, definite integral.

- [Preliminary plan](#) of lectures (level Alpha) in academic year 2017/18

Lecturers

[Ing. Mgr. Tomáš Bodnár, CSc.](#), Office: KN:D-303

[RNDr. Tomáš Neustupa, Ph.D.](#), Office: KN:B-214

Tutorials, assessments

Assessment from tutorials (written in the study record) confirms student's presence and activity at the tutorials and elaboration of homework and tests. Assessment is a necessary condition for the exam. (I.e.~student can make the exam only with the assessment written in the study record.)

Literature:

- Neustupa, J.: Mathematics I, CTU Publishing House, Prague, 1996,
- Finney, R. L., Thomas, G.B.: Calculus, Addison-Wesley, New York, Ontario, Sydney, 1994
- [Selected problems](#) from the textbook Problems in Mathematics I (the textbook is in Czech only)
- [Selected problems](#) from the exam tests in previous years

Timetable:



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