

Course Code	Business Mathematics BBA 64210
Level	Lower-level course in a Bachelor's degree program
Credits	3 semester credits / 6 ECTS
Pre-requisite(s)	College Algebra or sufficient score on mathematics placement test

Scheduled meetings	45 hours
Average preparation time	105 hours
Total student work time	150 hours

Description The course consists of survey of mathematical methods useful primarily to students of business and information science. The emphasis of the course is on the principles of financial mathematics. To a large extent it deals with financial methods and tools applied to decision-making procedures in economics and business.

Learning outcomes Upon successfully completing this course, the student will be able to:

- explain the meaning of simple interest, compound interest, effective annual rate;
- perform interest calculation;
- explain the concepts behind annuities and mortgages and perform the associated calculations;
- perform basic calculations involved with promissory notes and perpetuities;
- use a financial calculator and Excel to perform financial calculations

Study literature Hoffmann, L.D., Bradley, G.L.: Finite Mathematics with Calculus. McGraw-Hill, 1995.

Slater, J., Ponticelli, R.: Business Mathematics for College. Irwin Book Team, 1997.

Additional readings available on UNYP E-Learn or in the UNYP Library.

All courses are taught in English, with the exception of language courses. UNYP's 3-year and 4-year Bachelor's programs are accredited by the Czech Accreditation Commission, a part of the Czech Ministry of Education, Youth and Sports, and lead to the award of a *bakalář* (Bachelor's) degree. UNYP's 3-year Bachelor's of Business degree is also accredited by the the U.S.-based International Assembly for Collegiate Business Education (IACBE), a CHEA-recognized accreditor.