

# MATHEMATICAL ANALYSIS

## Characteristics of the study program

- *Title of the study program:* Mathematical Analysis
- *Study field 9.1.1:* Mathematical Analysis
- *Degree of the study:* doctoral
- *Duration of study:* 4 academic years
- *Degree:* philosophiae doctor (PhD.)
- *Guarantor of the program:* prof. RNDr. Ľubomír Snoha, DrSc.

## Scope of the study program

The main focus of the program is deep understanding of current state of research and ability of a graduate student to contribute to the knowledge, in the field of Mathematical Analysis. The graduate study comprises two parts: a study part and a research part. A plan of the study is prepared by the supervisor, and should be approved by a committee.

## Profile of a graduate

The program aims at preparing a self-standing researcher in the field of Mathematical Analysis. A graduate has a firm theoretical basis as well as a familiarity with the main applications. A graduate can study current publications in the field and use their results in solving theoretical as well as applied problems. A graduate can communicate her/his results to other researchers and have skills for teaching courses at the undergraduate level. A graduate can also easily adapt to other fields where mathematics is applied.

## Requirements on applicants

An applicant is required to have completed the Master-degree in mathematics. Masters in other subjects are considered on case-by-case basis. All applicants have to pass an entrance exam. The exam committee is appointed by the Dean of the Faculty of Natural Sciences. Supervisor of a prospective graduate student is a member of the exam committee.

## Members of the Mathematical Analysis division of the Graduate School:

prof. RNDr. Ľubomír Snoha, DSc., DrSc.

prof. RNDr. Beloslav Riečan, DrSc.

prof. RNDr. Roman Nedela, DrSc.

prof. RNDr. Rudolf Zimka, PhD.

as.prof. RNDr. Roman Hric, PhD.

as.prof. RNDr. Vladimír Janiš, CSc.

as.prof. RNDr. Peter Maličský, CSc.

as.prof. RNDr. Ján Borsík, CSc.

as.prof. RNDr. Ľubica Holá, DrSc.

as.prof. RNDr. Ferdinand Chovanec, CSc.

as.prof. RNDr. Milan Matejdes, CSc.

## Fees: 4000€ per academic year

Fee does not cover living expenses at the place. Students may apply for accommodation at the dormitories of Matej Bel University.

**Contact:**

*prof. RNDr. Lubomír Snoha, DrSc.*  
head of the Mathematical Analysis  
e-mail: lubomir.snoha@umb.sk  
Phone: +421 (0) 48 446 7229

*Mgr. Štefan Gyürki, PhD.*  
Head of Department of mathematics  
e-mail: Stefan.Gyurki@umb.sk  
phone: +421 (0)48 446 7231

See also <http://www.fpv.umb.sk/en/departments/department-of-mathematics/>