

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, DSc., 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 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.	(http://km.fpv.umb.sk/index.php/staff/176-snoha-eng)
prof. RNDr. Beloslav Riečan, DrSc.	(http://km.fpv.umb.sk/index.php/staff/113-riecan-eng)
prof. RNDr. Roman Nedela, DrSc.	(http://www.savbb.sk/~nedela/)
prof. RNDr. Rudolf Zimka, PhD.	(http://www.ef.umb.sk/ef/indexe.asp?zid=173&uid=541)
Doc. RNDr. Roman Hric, PhD.	(http://www.savbb.sk/~hric/)
doc. RNDr. Vladimír Janiš, CSc.	(http://km.fpv.umb.sk/index.php/staff/203-janis-eng)
doc. RNDr. Peter Maličský, CSc.	(http://km.fpv.umb.sk/index.php/staff/180-malicky-eng)
doc. RNDr. Ján Borsík, CSc.	(http://www.saske.sk/MI/eng/borsik.htm)
doc. RNDr. Ľubica Holá, DrSc.	(http://www.sav.sk/?lang=en&charset=&doc=org-user&user_no=2378)
doc. RNDr. Ferdinand Chovanec, CSc.	(http://www.sav.sk/?lang=en&charset=&doc=org-user&user_no=6700)
doc. RNDr. Milan Matejdes, CSc.	(http://is.tuzvo.sk/lide/clovek.pl?id=156;lang=en)

Application form should be sent to vice-dean for education Faculty of Natural Sciences Matej Bel University: jarmila.kmetova@umb.sk till 31. May 2012. Entrance exam fee 35 € must be paid on: account number 7000095590/8180 account symbol for doctoral study: 10520703. IBAN: SK7581800000007000095590, SWIFT: SUBASKBX, Matej Bel University, Národná 12, 974 01 Banská Bystrica

Fees: 4000€ per ac. year

Fee does not cover living expenses at the place. Students may apply for accommodation at the dormitories of Matej Bel University (see <http://www.umb.sk-Accom>. And Catering Possib.)

Contact:

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See also <http://km.fpv.umb.sk/index.php/english> for more information.