



**Matej Bel University Banská Bystrica**  
**Faculty of Natural Sciences**  
**Department of Mathematics**  
Tajovského 40, 974 01 Banská Bystrica  
<http://www.fpv.umb.sk>



### **Characteristics of the study program**

Title of the study program: **Probability and Mathematical Statistics**  
Study field: **Probability and Mathematical Statistics**  
Degree of the study: **doctoral**  
Duration of study: **3 academic years**  
Degree: **philosophiae doctor (PhD.)**  
Guarantor of the program: **prof. RNDr. Gejza Wimmer, DrSc.**

### **Scope of the graduate study program**

The doctoral degree is a research degree intended to prepare students for professional careers mainly, but not exclusively, in academia. 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 statistics committee. The main requirements are passing qualifying exams in three areas of study, passing an oral candidacy exam in the area of specialization, and writing and defending a thesis.

### **Profile of a graduate**

The program aims at deepening and broadening knowledge and skills in probability and mathematical statistics. A graduate should be able to solve theoretical and applied problems related to data analysis and information processing, frequently also in cooperation with specialists from other fields. A graduate should also be able to communicate her/his results to other researchers as well as non-specialists.

### **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.

### **Faculty at the study program**

Lectures, seminars and labs are held by selected lecturers from the Department of Mathematics FPV UMB, from the Institute of Computer Science and Mathematics and from the Mathematical Institute of the Slovak Academy of Sciences.

### **Members of the Statistics division of the Graduate School:**

prof. RNDr. Gejza Wimmer, DrSc.	<a href="http://km.fpv.umb.sk/index.php/staff/177-wimmer-eng">http://km.fpv.umb.sk/index.php/staff/177-wimmer-eng</a>
prof. RNDr. Beloslav Riečan, DrSc.	<a href="http://km.fpv.umb.sk/index.php/staff/113-riecan-eng">http://km.fpv.umb.sk/index.php/staff/113-riecan-eng</a>
as. prof. Mgr. Marián Grendár, PhD.	<a href="http://km.fpv.umb.sk/index.php/staff/178-grendar-eng">http://km.fpv.umb.sk/index.php/staff/178-grendar-eng</a>
as. prof. RNDr. Miroslav Haviar, CSc.	<a href="http://www.fpv.umb.sk/~mhaviar/">http://www.fpv.umb.sk/~mhaviar/</a>
as. prof. RNDr. Vladimír Janiš, CSc.	<a href="http://km.fpv.umb.sk/index.php/staff/203-janis-eng">http://km.fpv.umb.sk/index.php/staff/203-janis-eng</a>
as. prof. RNDr. Peter Maličský, CSc.	<a href="http://km.fpv.umb.sk/index.php/staff/180-malicky-eng">http://km.fpv.umb.sk/index.php/staff/180-malicky-eng</a>
as. prof. RNDr. Ferdinand Chovanec, CSc.	<a href="http://www.sav.sk/?lang=en&amp;charset=&amp;doc=org-user&amp;user_no=6700">http://www.sav.sk/?lang=en&amp;charset=&amp;doc=org-user&amp;user_no=6700</a>
as. prof. RNDr. Marta Vrábelová, CSc.	<a href="http://www.km.fpv.ukf.sk/pracovnici/mvrabelova.htm">http://www.km.fpv.ukf.sk/pracovnici/mvrabelova.htm</a>
as. prof. RNDr. Viktor Witkovský, CSc.	<a href="http://www.um.sav.sk/en/departament-03/viktor-witkovsky.html">http://www.um.sav.sk/en/departament-03/viktor-witkovsky.html</a>

Application form should be sent: [jarmila.kmetova@umb.sk](mailto:jarmila.kmetova@umb.sk) till 20. March 2015. Entrance exam fee 35 € (€32 for the electronic application forms) must be paid on:  
account number 7000095590/8180 account symbol 10500203,  
IBAN: SK7581800000007000095590, SWIFT: SUBASKBX,  
Matej Bel University, Národná 12, 974 01 Banská Bystrica

**Fees:**

Tuition fee for one school year (2 semesters) is 2500 euro and it is due to be paid by the date of registration for the study.

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**Contact:**

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**prof. RNDr. Pavol Hanzel, CSc.**  
*head of Math Department*  
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See also <http://km.fpv.umb.sk/index.php/english> for more information.