

**U N I V E R S I T Y O F T U Z L A**

## DOCTORAL STUDIES AT UNIVERSITY OF TUZLA

**Presentated by  
Prof. Fehim Dedagic, PhD in Matheatics**

**Sarajevo, May , 2011 (WUS )**

## UNIVERSITY EXPANSION

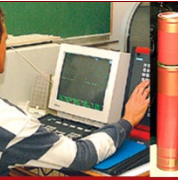
| Academic year | Number of students |
|---------------|--------------------|
| 1990/1991     | 2.500              |
| 1999/2000     | 5.280              |
| 2000/2001     | 7.500              |
| 2002/2003     | 10.615             |
| 2004/2005     | 15.000             |
| 2007/2008     | 16.608             |
| 2010/2011     | 18.000             |
|               |                    |
|               |                    |
|               |                    |

# Faculty of Science and Mathematics nowadays:

- ▶ 1.220 students
- ▶ 5 departments
- ▶ 95 members of teaching staff  
(51 professors+44 assistants)
- ▶ 793 students graduated from 1998 to 2010 (472 students with one-subject diploma and 321 students obtained a two-subject diploma)







# U N I V E R S I T Y O F T U Z L A

## ► Department of Mathematics

### ► Staff: 15 + 21

- Diplomas obtained: m:63 + m-ph :36
- 2011/12 New PROPOSAL:
- First year students: 60 (covered by the budget)
- Diploma: 1. Professor of Mathematics;
- 2. Applied Mathematics;
- Masters:  
4 with diploma 2 years-program;  
6 with diploma one year-program
- First generation of a PhD students.



# Modules of the PhD Course

## ► Dynamical Systems

**Syllabus for the TEMPUS - SEE PhD Course**

**3. Donco Dimovski/Director of Course/**

**Institute of Mathematics,**

**Faculty of Natural Sciences and Mathematics**

**University Sts Cyril and Methodius, Skopje, Macedonia**

**2. Ognyan Christov**

**Faculty of Mathematics and Informatics**

**Sofia University, Bulgaria**

**1. Senada Kalabusic**

**Department of Mathematics,**

**University of Sarajevo, Bosnia and Herzegovina**





WHICH IS THE BEST SCHEME ?  
 3+2+3 or 4+1+3 or 4+4<sub>(2+2)</sub>

# The First BOLOGNA Question: Education in three Levels shortenning of study duration

| Some EU countries<br>3+2+3                                      | BiH (UnTz)<br>4+1+3  | SE Europe: 5+2+3   |
|---|--|--|
| <b>PhD</b><br>3 years   | <b>Dr. sci.</b><br>3 years                                   | <b>Dr. sci.</b><br>2 - 3 years                               |
|   |  | <b>Mr.sc.</b><br>2 years                                     |
| <b>Master degree</b><br>2 years                                 | <b>Mr.sc.</b><br>1 year                                      | <b>Undergraduate level</b><br><b>Dipl.</b><br>4 - 5<br>years |
| <b>Undergraduate level</b><br><b>Bachelor 3</b><br><b>years</b> | <b>Undergraduate level</b><br><b>Dipl.</b><br><b>4 years</b> |  |





# International doctoral study in Mathematics

[http://www.pmf.untz.ba/studijski\\_odsjeci/mat/dynamicalsystems/index.html](http://www.pmf.untz.ba/studijski_odsjeci/mat/dynamicalsystems/index.html)



# Focus on accademic reforms:



- ▶ Ensuring the quality
- ▶ Improvement of the research activities
- ▶ Improvement of the equipment in libraries and laboratories
- ▶ Increase of the enrolled students in II & III cycle of studies
- ▶ Major diffusion of Bologna process information and its importance for the reform of the higher education in our country.

# The PhD study has brought students and professors mobility



- ▶ Strongly support the co-operation between 10 universities that are involved in the SEE Doctoral studies in Mathematical sciences.
- ▶ **Initiate more master and PhD studies together with one or more international universities.**
- ▶ Provide the financial resources for the salaries of the assistants from the Found for the Research (which should be established)
- ▶ The salaries of the professors should not be determined only with the number of lecture hours.



# Support to the PhD students

- ▶ Encourage the PhD students to find the best solution for their representation in the University decision making process (improving their status)
- ▶ Link the financial support (that has been until now given by the University to master and PhD students which work at UnTz) with their project applications for II & III cycles of studies.



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- ▶ **THERE ARE BETTER WAYS TO SEE OUR FUTURE**
- ▶ **UNIVERSITY OF TUZLA**
- ▶ Department of Mathematics



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[www.untz.ba](http://www.untz.ba)

