

# ACADEMICS:

# READ!!!



## BUDAPEST SEMESTERS IN MATHEMATICS

### PRACTICALITIES

- [Contact & Directions](#)
- [Visa/residency permit info](#)
- [Arrival and first days](#)
- [Practical orientation slides](#)
- [Summary](#) and [Details](#) of the local Health Insurance
- [Useful stores around BSM, things to do in BP](#) (student suggestions)

24/7 BSM emergency phone number:  
**+36206285562**

### SPRING 2018

[Academic Calendar](#)

[Syllabi of the courses](#)  
*to be posted by January 22*

[Schedule of classes](#)  
*to be posted by February 2nd*  
MUC times

[PRE-REGISTRATION](#)  
*to be posted by January 22nd*

### ACADEMIC LINKS

- [Academic Rules](#)
- [Academic orientation slides](#)
- [BSM professors, 1985 -](#)
- [BSM undergraduate research: articles](#)
- [BSM American homepage](#)
- [BSME homepage](#)
- [The Rényi Institute: its library and directions to RI](#)
- [Archive of Past Semesters](#)

### BSM UPCOMING EVENTS (click the event for details)

Today   Tuesday, January 16 ▾

 [Print](#) [Week](#) [Month](#) [Agenda](#)

Wednesday, January 17

- First three weeks are for making final decisions! Registration deadline & feedback session: **SEPT 26th, Thu, Noon**

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[Optional language course begins](#)

**During/after the first three weeks**

- **“Reading courses” can become “regular”**
- **“Regular” can become “reading”**
- **Courses may be canceled**

**based on enrollment data.**

# Remarks on courses

# THE ALGEBRA GROUP

- **AL1 Introduction to Abstract Algebra**
- **AAL Advanced Algebra**
- **CMA Commutative Algebra**
- **GAL Galois theory** *reading*

# The analysis group:

- **MAN Intro to Math Analysis**  
*meets 8:30-10am, no break*
- **CLX Complex Analysis**
- **RFM Real Functions and Measures**
- **FUN Functional Analysis**

# The Combinatorics group:

- **CO1 Intro to Combinatorics -- 1A & 1B**  
*CO1.B starts Thursday*
- **CO2 Combinatorics of Finite Sets**
- **COP Combinatorial Optimization**  
*special arrangement: two profs*

# The Graph Theory group:

- **GRT.A Graph Theory, track A**
- **GRT.B Graph Theory, track B**

**+ Topics in Graph Theory  
(@ELTE)**



# The number theory group:

- **NU1** Introduction to Number Theory
- **NUT** Topics in Number Theory —  
Additive Combinatorics  
*reading, but meets 4times/week*
- **Classical Analytic Number Theory**  
**@ CEU**

# The problem solving group:

- **DLP** Discovery Learning:

**The Pósa Method**

*first meeting: Thu 12:15-1:45pm in 002*

- **MPS** Mathematical Problem Solving

- **C&P** Conjecture and Proof

# The geometry & topology group:

- **DCG** Discrete and Convex Geometry
  - **DIG** Differential Geometry
  - **NEG** Non-Euclidean Geometries
  - **TOP** Introduction to Topology
- meets 8:30-10am, no break*
- **ALT** Algebraic Topology

+ Algebraic Curves @Renyi Inst

# Probability & statistics group:

- **PRO Probability Theory**
- **STA Statistical Methods *reading***

# Logic & Set Theory:

- **LOG** Mathematical Logic

*starts the 2<sup>nd</sup> week!!!*

- **SET** Set Theory

*no class this week on Fri*

(yes, there is a class tomorrow)

# Additional classes:

- **MCR** Mathematical Cryptography
  - **MAP** Quantum Logic and Quantum Probability
  - **TAL** Classical and Modern Theory of Algorithms
  - **THC** Theory of Computing
- + **Dynamical Systems @ELTE**
- + **Game Theory @ELTE**

**Independent studies in...**

**...Classical Automorphic Forms**

**... Physics**

*reading,*

*to be scheduled @Welcome Party*

# RES Research Opportunities

**consider that it is**

- **for advanced students**
- **requires initiative, independent, group work**
- **may be canceled 3<sup>rd</sup> week**
- **you may have to stop mid-semester depending on your performance in other classes**



# **NON CREDIT courses:**

- **CLA** Classical Algebra

**Mon 8:15-10am & Wed 4-6pm, room 102**

- **GRE** Gre preparation sessions

**Thu 6-8pm in room 105**

- **PUTNAM** **to be scheduled by email**

- **HUP** Hungarian + **Wed 4-6pm, in 105**

*starts the 2<sup>nd</sup> week!!!*

**GRE Math Subject test**

**October 26<sup>th</sup>, Saturday**

**Putnam**

**December 7, 2019**

# **BSME courses**

**Cross listed:**

**DLP Discovery Learning:  
The Pósa Method**

# **BSME courses:**

- **Practicum**
- **Teaching Geometry through Problem Solving**
- **Gamification and Playfulness in Teaching Mathematics**
- **Directed Research: Discovery Learning in Secondary Schools**
- **Field Experience at Derkovits School**

# **NON-MATH COURSES:**

**HL1** Beginner Hungarian

**HL2** Intermediate Hungarian

**MUS** Hungarian Music (**NEW**)

**HUC** Hungarian Art and Culture

**PHI** Philosophy of Mathematics

**HMS** History of Modern Science

**FILM** Introduction to Cinema

Your paid tuition covers as much as five of the math courses and as many of the non-math courses OFFERED by BSM as you wish.

**Extra BSM math courses carry 350USD (87000HUF) extra tuition**

You can take (free of charge) **one** AIT course or  
McDaniel College courses

# Transcripts

BSM and cross listed (with ELTE, CEU and BSME) courses will appear on the BSM transcript

BSME courses will be on a separate BSME transcript

AIT and McDaniel courses will be transcribed by the other school, resp.

Once again,

● REGISTRATION DEADLINE:

**September 26th, Thursday, NOON (sharp)**

**LATE REGISTRATION (if allowed) costs**

**100USD!!!!**

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**REGISTRATION STARTS THE 2nd WEEK**

**“Verification of Enrollment Form”**

is available as soon as you register.



## **DEFAULT COUNSELORS:**

- **A through G -**

**Dezső Miklós;**

- **H through P -**

**Agnes Szilard;**

- **Q through Z -**

**Csaba Szabo;**

# Counselor's Office hours

## 1<sup>st</sup> WEEK

Dezső Miklós Tue 10-12:15am  
Thu 9-10:10 , 12:05-13:15

Ágnes Szilárd Wed 10-11:30am  
Thu 2-3:30pm  
Fri 10-11:30am

Csaba Szabó Mo 10-noon  
We 2-4pm

# **DURING THE SEMESTER:**

- **DROPPING A COURSE –**

by Dec 6th, Friday noon, the latest

- **Switching to AUDIT**

# Learning disabilities and mental health

- Special accommodation for learning disabilities
- Mental Health Counseling at BSM
- Week 1,2 & 3: **meeting in small groups** with our mental health counselors will help in you getting to know each other better and prepares you a bit for the semester, in terms of how to deal with stress and cultural shock.
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# **TEXTBOOKS:**

- sold weekly FOR FORINTS ONLY  
some used at 60%  
(pricelist to be sent out by email)
- full refund till Sept 26th
- 50% refund at the end of semester

**Handouts cannot be refunded!!!!**

**Helpful**

**“Q&A sessions”**

**START**

**the 2<sup>nd</sup> week:  
Mon, Tue 5-7pm**

**in C1, C2 and C3,**

**Thursdays 4-5:30pm**

**COLLOQUIA, SPECIAL TALKS &  
SOCIAL EVENTS**

Sep 12<sup>th</sup> – get together, board games and pizza

Sep 19<sup>th</sup> -  $N$  is a number (at the Rényi Inst.)

Sep 26<sup>th</sup> – feedback and research presentations

# **Make up classes (MUC)**

## **Allocated times**

**Monday morning (8:15 to 10am)  
(starting 4<sup>th</sup> week)**

**Thursday afternoon (2:15 to 4pm),**



**LET US KNOW!**