

# BSM, Conjecture & Proof, Fall 2022

INSTRUCTOR: Tamás Keleti

CLASS: Monday 10-12 and Wednesday 12-14

FIRST WEEK: **No C&P class in the first week!** You should work on the problems of Assignment #1 in the first week. They are due in the the first classes (on Monday, September 12 and on Wednesday, September 14). Meanwhile in the first week you may try the somewhat similar parallel course: Mathematical Problem Solving.

MAKE UP CLASSES: We will have **make up classes on Thursdays, September 15 and 22, 2-4pm.**

SUGGESTED TIMETABLE:

lecture: 10:15-11:25 on Mondays, 12:15-13:25 on Wednesdays,

office hours: 11:30-11:50 on Mondays, 13:30-13:50 on Wednesdays.

E-MAIL: My e-mail address is [tamas.keleti@gmail.com](mailto:tamas.keleti@gmail.com). You are encouraged to e-mail me to send questions.

TEXT: Conjecture and Proof by Miklós Laczkovich

MIDTERM EXAM AND FINAL EXAM: There will be a midterm exam during the semester and a final exam. The midterm exam is presently scheduled for Monday, October 24, 10-12. The final exam is expected to be on Monday, December 12, 10-12. The final exam will be cumulative with more emphasis on the recent material. In both exams there will be 6 problems, each is worth 10 points. Some of the problems in the exams are challenging, so you don't have to solve all of them for an A: you can get even an A+ if you solve 5 perfectly.

GRADES: For grading the exams I plan to use the following scale:

42 - 60 = A; 31 - 41 = B; 21 - 30 = C; 11 - 20 = D. (The lower 3 is "- ", the upper 3 is "+ " except in case of A, where: 57-60 A++, 50-56 A+.) In your course grade the homework counts approximately 20%, the midterm exam appr. 35% and the final exam appr. 45%.

HOMEWORK: Solving the homework problems is the most important part of this course. Each Wednesday I will give you a sheet of exercises. Some of the problems are to write up (and to hand in the following Wednesday), but a larger part of them are to present at the blackboard.

You can ask for help during the office hours if necessary, especially about the exercises to write up, before you hand in your solutions. Of course, you are also encouraged to ask questions after you get back your homework. I don't give grades, usually I will just shortly indicate the errors (if there are any) - don't hesitate to ask for details if necessary. You are also encouraged to collaborate when you work on the problems. However, simply copying others' solutions is meaningless.

Enjoy the course and have a great time in Hungary!