

UNIVERSITY TEACHING EXPERIENCE (LÁSZLÓ ÁRPÁD GERGELY)

PhD courses (University of Szeged)

Modern Cosmology, Constrained Dynamical Systems, Advanced General Relativity, Brane-worlds

Masters courses (University of Szeged)

General Relativity 1-2, Cosmology 1-2, Celestial Mechanics 1-2, Relativistic Astrophysics, Particle Physics, Special Relativity and Electrodynamics, Electrodynamics in Media

Masters seminars (University of Szeged)

Celestial Mechanics 1-2

Undergraduate courses (University of Szeged)

The Elegant Universe, Introduction to General Relativity

Undergraduate seminars

University of Szeged: Mathematical Methods in Physics, Thermodynamics, Electromagnetism, Electrodynamics

London South Bank University: Scientific Principles, Introductory Mathematics

Université Louis Pasteur, Strasbourg: Mechanics

University of Utah, Salt Lake City: Mechanics, Astronomy

Curriculum development

University of Szeged: PhD, MSc, BSc lectures in Physics and Astronomy

London South Bank University: Physics Curriculum for Integrated Sciences Honours Degree

SUPERVISING ACTIVITY

Several students at the University of Szeged have completed Master Theses in astrophysics, cosmology or general relativity under my supervision. Some of them have obtained prizes at the Hungarian national student competition. B. Mikóczi, Z. Keresztes, Zs. Horváth, M. Dwornik and M. Tápai started their PhD studies under my supervision. Subsequently, Mikóczi and Keresztes have obtained their PhD degree and obtained post-doctoral positions at the KFKI Central Research Institute for Nuclear and Particle Physics Budapest and University of Szeged, respectively. My former student Z. Kovács completed his PhD in Heidelberg, then returned into my group for a post-doctoral stage, after which he became post-doctoral researcher at the University of Hong Kong.

Beside my home University, I have been involved in the PhD defense process of students at the Eötvös University in Budapest (Hungary); University of Portsmouth (UK) and at the University of Umeå (Sweden).