

Summer School Program

“The Development of Cognitive and Non-Cognitive Skills in Childhood and Adolescence”

Sponsored by the Interdisciplinary Public Policy Center at the JGU Mainz and the Collaborative Research Center TR 224 at the Universities of Bonn and Mannheim.

The main purpose of this course is to introduce Ph.D. students and post-docs to the methodological and topical advancements in the field (design of surveys on subjective expectations related to skills production function and expected returns to education; models of skill development). There is no specific pre-requisite for the course other than being interested in doing research on this and related topics, e.g., as part of your doctoral dissertation. Each day, there will be a two lecture sessions. The afternoons will offer opportunities for students to discuss their research ideas and projects with faculty and fellow students.

The Summer School will be held by two leading economists in the field, **Rita Ginja** (University of Bergen, Norway) and **Christopher Rauh** (Cambridge University, UK). All times are Central European Summer Time (CEST).

This Summer School will be held online via **Zoom** and **gather.town**.

Schedule of lectures, topics and student presentations

Monday, August 23 2021 (Lectures by Rita Ginja)

- 10:30 - 10:35 Brief introduction to summer school by organizer
- 10:35 - 12:00 **Lecture 1** "*Cognitive, noncognitive skills and health: What do we know about target and universal preschool programs*"
- 12:00 - 13:00 Lunch break (come join us on gather.town!)
- 13:00 - 14:30 **Lecture 2** "*Production of Human capital*"
- 14:30 - 15:30 Coffee break (come join us on gather.town!)

Tuesday, August 24 2021 (Lectures by Rita Ginja)

- 10:30 - 12:00 **Lecture 3** "*School quality and inputs*"
- 12:00 - 13:00 Lunch break (come join us on gather.town!)
- 13:00 - 14:30 **Lecture 4** "*Peer effects in education*"
- 14:30 - 15:00 Coffee break (come join us on gather.town!)
- 15:00 – 17:00 Student presentations and discussions/feedback

Wednesday, August 25 2021 (Lectures by Christopher Rauh)

- 10:30 - 12:00 **Lecture 5** "*Parental investments and parental beliefs*"
- 12:00 - 13:00 Lunch break (come join us on gather.town!)
- 13:00 - 14:30 **Lecture 6** "*Why do individuals decide to go to university and method of machine learning*"
- 14:30 - 15:00 Coffee break (come join us on gather.town!)
- 15:00 - 17:00 Student presentations and discussions/feedback

Thursday, August 26 2021 (Lectures by Christopher Rauh)

- 10:30 - 12:00 **Lecture 7** "*Monetary and nonmonetary returns to education*"
- 12:00 - 13:00 Lunch break (come join us on gather.town!)
- 13:00 - 14:30 **Lecture 8** "*Parenting styles and more on machine learning*"
- 14:30 - 15:00 Coffee break (come join us on gather.town!)
- 15:00 - 17:00 Student presentations and discussions/feedback

Student presentations: Detailed schedule¹

Tuesday “Child development in early life”

- 15:00 - 15:35 Beate Thies "*Early life exposure to pollutants and non-cognitive skills*" (25min presentation and 10min discussion/feedback)
- 15:35 - 16:05 Tim Ruberg "*Effects of Choice of Early Childhood Education and Care on Cognitive and Non-Cognitive Ability in Japan*" (20min presentation and 10min discussion/feedback)
- 16:05 - 16:40 Daniela Araujo "*Test-based teacher recruitment*" (25min presentations and 10min discussion/feedback)
- 16:40 - 17:00 General discussion and/or individual feedback

Wednesday “Development in adolescence and college decisions”

- 15:00 - 15:30 Nina-Alessa Gruzdov "*Sector-specific brain drain*" (20min presentations and 10min discussion/feedback)
- 15:30 - 16:00 Dina Bakr "*Impact of online versus offline teaching on students' academic performance*" (20min and 10min discussion/feedback)
- 16:00 - 16:30 Mark Spils "*Math instruction time in high school and STEM choice in high school and college*" (20min presentations and 10min discussion/feedback)
- 16:30 - 17:00 General discussion and/or individual feedback

Thursday “Development in early life and in adolescence”

- 15:00 - 15:30 Katharina Adler "*Do Individual Traits Predict Subject Choice and Achievement in College*" (20min presentations and 10min discussion/feedback)
- 15:30 - 16:00 Lei Li "*Trade and college choice*" (20min presentation and 10min discussion/feedback)
- 16:00 - 16:30 Michaela Paffenholz "*Adolescents' Mental Health and Human Capital: The Role of Socioeconomic Rank*" (20min presentation and 10min discussion/feedback)
- 16:30 - 17:00 Xi Lin "*Parental investments and subjective expectations*" (20min presentations and 10min discussion/feedback)
- 17:00 - 17:10 Last words by organizer of summer school

The organizer of the summer school is Prof. Katja Maria Kaufmann, Ph.D. (JGU Mainz)

¹ The length of the student presentations is based on stated preferences.