

Course title: **Understanding Mathematical Talent: Myths, Research, and Teaching**

Lecturer: Maja Wenderlich, PhD

Description:

What makes someone good at maths? Is it something you're born with, or can it be developed? Does a teacher really have an influence on the development of pupils' mathematical abilities? Why do so many people feel anxious about maths – and why is there no Nobel Prize in this field? During this course, you will explore these issues and challenge common myths about mathematical aptitude. Based on current scientific research, you will learn about the mechanisms underlying the development of mathematical ability and ways to support it in educational practice. Upon completion of the course, you will gain practical tools and new perspectives that will enable you to support students more effectively, build their confidence, and make mathematics more engaging and accessible.

Assessment criteria (ZO; or ZAL for classes using the tutoring method):

1. Attendance: 10%
2. Engagement: 30%
3. Group project: 30%
4. Individual written assignment: 30%