

Educating creative masters in Art, Math and Technology.

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Abstract

Art, Mathematics and Technology, or AMT for short, combines the rigor of mathematics with the creative freedom of art, using the latest technology. It is not an ordinary math course: there is no exam where you have to plough your way through hard and difficult math questions. Instead, students will have to produce works of art, based on mathematics. The homework consists of exercises, but it is all for the purpose of making beautiful art. Students make works of art, using modern technology, like 3D printers and laser cutters. In the end, there is an exhibition, where all students present an individual work of art. The presentation will explain how this first edition of the course originated, what the learning goals were, how the course went about, what was good, and what went wrong.

Biographies

Mike Boldy is a lecturer in calculus and linear algebra. He is a member of the group Applied Analysis. Last year he has set up together with Gerard Jeurnink the course AMT in the master program Interaction Technology.

Gerard Jeurnink is a staff member of the group Applied Analysis. The main part of his activities for the group are concentrated around his lectureship for courses in Analysis. He also governs the relationship between the department of Applied Mathematics and ELAN, the teachers training institute of the University of Twente. Last year he has set up together with Mike Boldy the course AMT in the master program Interaction Technology.

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