Online mathematics education: E-math for first year engineering students

We consider the technology enhanced learning of first year engineering mathematics and in particular the application of E-learning objects and principles in the course Mathematics 1 which has a yearly intake of 750 students at the technical University of Denmark. We show that with non-linear multimedia technology and e-learning principles it is possible to strengthen and enhance the students' desire and ability to prepare for the teaching and to read and enjoy the textual representations of the course materials.