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**ROBERT GHRIST**, University of Pennsylvania

*The Evolution of Mathematics Education*

After a short survey of the-state-of-things in higher-education, this talk will speculate on the evolutionary forces and potential futures of education in mathematics. Particular focus will be given to the role of MOOCs – Massive Open Online Courses. This subject has of late elicited hope, hype, and hyperbole. This talk will focus on facts and experience as a basis for discussion of how best to imagine and prepare for the future. Included will be an overview what considerations are particular to Mathematics, the pros-and-cons of MOOCs, what their long-term impact in Mathematics may be, and what other innovations may augment or supersede these. The discussion will be based in part on the speaker's experience in building and running the Coursera class "Calculus: Single Variable", available to view at <http://www.coursera.org/course/calcsing>