From Data Science to BioCalculus: Transforming Undergraduate Math Curricula at Every Level

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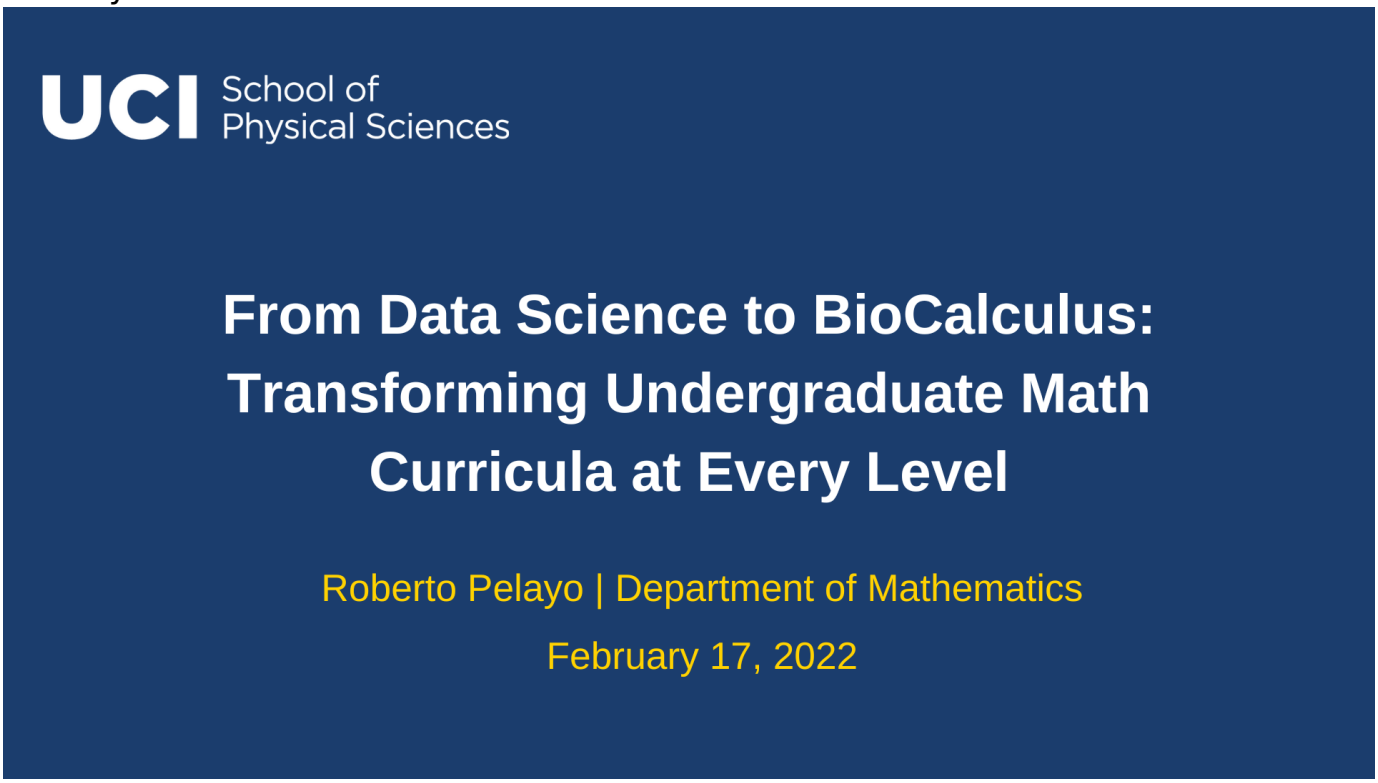
UCI Physical Sciences Communications



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Yesenia Garcia

Undergraduate mathematics curricula must respond to a variety of student demographics, academic interests and workforce ambitions. In the UCI Department of Mathematics, this includes service courses like *BioCalculus*, transition courses like *Intro to Abstract Math*, and concentration tracks, like *Data Science*. We describe three grant-funded efforts to revamp critical UCI Mathematics courses and curricular pathways. All of these efforts require significant interdepartmental and inter-campus collaborations that respond to changing curricular and workforce needs for our student learners. A description of these efforts and their potential to transform the

student math experience is highlighted in this talk.

Watch recorded lecture below.

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