

1135-E5-1992      **Larissa B. Schroeder\*** ([schroeder@hartford.edu](mailto:schroeder@hartford.edu)). *The Eiffel Tower and Lake Mead: Collaborative Projects in Calculus II*. Preliminary report.

Research has found that solving routine problems in Calculus does not necessarily translate into the ability to solve non-routine problems. At the University of Hartford, we are developing a set of ill-structured, non-routine problems to be used as collaborative projects in Calculus II. The goal is to have students answer accessible but substantive questions with no clear solution path and to present their results. This talk describes our pilot work with two such questions and our strategy for organizing student presentations. We will also share student work samples illustrating the range of solution strategies, video clips of student presentations, and discuss unanticipated challenges. (Received September 25, 2017)