

Electronic Seminar on Mathematics Education

A Scalable Hybrid Introductory ODE Course



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Introductory ordinary differential equations is the most challenging sophomore level mathematics course for most science, engineering, and mathematics majors. Over the past decade it has evolved into a hybrid course involving large lectures, group work in smaller discussion sections, team-based projects, and on-line material in pdf and video format. The materials developed have also been used by a local community college and by a local high school AP class. It incorporates both formative and summative evaluation. We will describe the course and survey its evolution.

To join the seminar, go to <https://cornell.zoom.us/j/169462410>

For more information on ESME: <http://math.mit.edu/seminars/esme/>