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**Brian J Winkel\*** ([brianwinkel@hvc.rr.com](mailto:brianwinkel@hvc.rr.com)), 26 Broadway, Cornwall, NY. *Modeling Scenarios and Strategies in Differential Equations Course*. Preliminary report.

We present and discuss modeling strategies used to motivate the study of mathematics, especially in the area of differential equations. We offer accessible modeling scenarios for students in many disciplines and demonstrate how the activities draw students to the mathematics and develop a “need to know” mindset. This work is the basis of an on-going effort to offer an alternative approach to teaching differential equations through modeling and technology, in SIMIODE - Systemic Initiative for Modeling Investigations and Opportunities with Differential Equations at [www.simiode.org](http://www.simiode.org). (Received August 12, 2013)