

MAA ONLINE MATH Workshop 7-11 July 2025 - Engaged Teaching and Learning with a Modeling Context in Differential Equations

2025 Workshop - OPEN Math - Engaged Teaching and Learning with a Modeling Context in Differential Equations

Invitation to 2025 Workshop - OPEN Math - Engaged Teaching and Learning with a Modeling Context in Differential Equations

See complete details at <https://web.cvent.com/event/c6ea3021-fb32-4ac7-a060-b7a01431673a/summary>

7 - 11 July 2025, 11:00 AM - 5:00 PM ET. Registration Fee \$75

Consider joining the 2025 Online Professional Development Workshop - OPEN Math - Engaged Teaching and Learning with a Modeling Context in Differential Equations, offered by the Mathematical Association of America.

Participants will learn to incorporate mathematical modeling into the teaching of differential equations using research-based, learner-centered pedagogy that is known to support gains in self-efficacy, proficiency, and interest in mathematics.

Participants will receive a wide range of specific, robust modeling activities that foster an equitable and inclusive environment for students. Workshop facilitators will discuss the pedagogical advantages of a modeling-first approach and indicate a variety of ways to incorporate these activities into an active classroom, and participants will engage with technology that facilitates active learning.

During this intense four-day workshop, participants will experience activities as learners before collaboratively preparing (**using class-tested materials provided**) and practice-teaching a module in our supportive workshop environment. Participants are invited to continue their involvement beyond the workshop by engaging with the community and free repository of Systemic Initiative for Modeling Investigations and Opportunities with Differential Equations (SIMIODE). As a supplemental aid to using the vast repository of materials, participants will receive a **FREE COPY** of the low-cost textbook, *Differential Equations: Modeling the Real World*. We welcome anyone with strong interest at any level of experience with differential equations or active learning.

This has been sent to you as a member of SIMIODE.org. If you don't find this useful please [unsubscribe](#).

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