

Graduate Course Description Form

Course Number: IGC 712

Course Name: Math That Makes Sense: High-Quality Instruction for PreK-5

Instructor: Casey Rekowski

Credits Earned: 3 Graduate Credits, which equates to:

- 67.5 PDPs (courses taken prior to June 8, 2026)
- 22.5 PDPs (courses taken after June 8, 2026)

Credits Issued By: Gordon College

Course Fee: \$675 (\$625 with early registration discount)

Course Description:

This course grounds Massachusetts PreK-5 math educators in the research base for high-quality instructional materials (HQIM) and equips them to implement, adapt, and advocate for rigorous mathematics instruction. Using DESE's CURATE framework as the evaluative lens, participants analyze curriculum materials, internalize lessons, and develop strategies for supporting all learners -- including multilingual learners and students with disabilities -- within a coherent, standards-aligned instructional program. This course is aligned to the Massachusetts Curriculum Frameworks.

Learning Outcomes:

1. Apply the DESE CURATE framework to evaluate mathematics curriculum materials for alignment, rigor, and coherence.
2. Internalize a HQIM lesson using the three-read protocol and anticipate student thinking and misconceptions.
3. Analyze student work and assessment data to identify gaps in conceptual understanding and adjust instruction.
4. Implement structures for supporting multilingual learners and students with disabilities within the core math curriculum.
5. Develop a unit plan that maintains mathematical rigor while addressing diverse learner needs.