Denty Connection
Graduate Courses for Teachers

Graduate Course Description Form

Course Number: IGC 712
Course Name: Math That Makes Sense: High-Quality Instruction for PreK-5
Credits Earned: 3 Graduate Credits / 67.5 PDPs
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 Mathematics Curriculum Frameworks and DESE's CURATE framework

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.