

Graduate Course Description Form

Course Number:	IGC 713
Course Name:	Less Lecturing, More Thinking: High-Quality Math for Secondary Teachers
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 equips Massachusetts grades 6-12 mathematics educators to shift from teacher-centered to student-centered instruction using the 5 Practices framework and high-quality instructional materials. Participants apply DESE's CURATE framework to evaluate curriculum, design tasks that promote mathematical reasoning and productive struggle, and develop strategies for addressing unfinished learning without abandoning grade-level rigor. This course is aligned to the Massachusetts Mathematics Curriculum Frameworks and DESE's CURATE framework.

Learning Outcomes:

1. Apply the 5 Practices framework (anticipate, monitor, select, sequence, connect) to plan and facilitate student-centered math discussions.
2. Design or adapt mathematical tasks that promote productive struggle and access for diverse learners.
3. Evaluate secondary mathematics curriculum materials using the DESE CURATE framework for alignment and rigor.
4. Develop strategies for addressing unfinished learning from prior grades without abandoning current grade-level standards.
5. Analyze student thinking and misconceptions to inform instructional decisions within a coherent curriculum.