

## *Sample only*

### Course Description Math M.Ed. Fall Year 1

#### Teacher Leadership in Math Education

This course investigates the definition of leadership and the roles that teacher leaders play in schools. Subjects of study include research on professional learning community and effective professional development, developing collaborative skills, and reading about and discussing current issues in mathematics education. The course also provides an introduction to the major concepts and habits of mind required in teaching Geometry at the middle school level as students collaboratively develop and deliver a workshop on an aspect of Geometric Habits of Mind to their peers. Students also prepare and present a formal debate on a current issue in math education, complete a reflective inquiry project on an aspect of their teaching, and reflect on their development as a leader and agent of change.

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### Readings:

Driscoll's *Fostering geometric thinking: a guide for teachers*.

Garmston and Wellman's *The Adaptive school: A sourcebook for Developing Collaborative Groups*

*The Prime leadership framework: principles and indicators for mathematics education leaders* from The National Council of Supervisors of Mathematics.

### Articles:

Fullan's "*Why teachers must become change agents*"

Dufour's "*What is a Professional Learning Community?*"