Teaching and learning.


Mathematical foundations of numbers, number systems, and related algorithms. Historical development.

Development of mathematical thought from ancient times to the present, selected from Egyptian, Babylonian, Mayan, Greek, Indian, and Arab contributions to mathematics and to the context of today's school mathematics curriculum.

Supervised study of problems or issues in mathematics education.


Individualized study for doctoral level students.

Supervised research practicum. Design, execution, analysis, presentation, critique, and revision of research projects.

Advanced topics in mathematics education.