OFFICIAL SYLLABUS

MATH 311 – THE TEACHING OF SECONDARY MATHEMATICS

Adopted – Fall 2010
(Committee: Drs. M. Hasty, T. Voepel, T. Graville)

Catalog Description. Constructing instructional objectives; formulating, utilizing and evaluating strategies for teaching mathematical concepts and skills; diagnosis and remediation of students’ learning difficulties. Does not count toward non-teaching degree or minor in mathematics. Prerequisites: completion of mathematics core.


Course Outline and Topics
   Instructional Objectives
   Teaching Strategies
   Diagnosis & Remediation
   Lesson Plans
   Unit Plans
   Moving Forces for Math Ed
   Technology in the Classroom
   Evaluation Techniques
   Problem Solving in the Classroom
   Enriching Mathematics
   Meeting the Needs of the Students
   Managing the Mathematics Classroom
   NCTM Standards
   Illinois State Learning Standards
   TIMSS
   Research in Math Ed
   Using Hands-On Activities in the Classroom
   Using Projects in the Classroom

Any instructor should cover all of the material specified, additional material is optional.