

1014-ZA-555

Connie S Schrock* (schrockc@emporia.edu), Emporia State University, Mathematics, CS and Econ Box 4027, Emporia, KS 66801. *Mathematics Methods Online*.

This session will demonstrate the components of an online methods course taught this summer. Modules for the course include NCTM Principles and Standards for School Mathematics, Kansas Mathematics Curriculum Standards, best practice and current research, appropriate selection and use of mathematical teaching tools including graphing calculators and online manipulatives, organizational strategies that enhance mathematical learning, developing professionalism, curriculum planning and on-line resources, assessment, and incorporation of history of mathematics to enhance student learning. Strengths and concerns from the course along with student responses will be shared. Some of the components of the program have also been used in conjunction with an on-campus methods course. The impact this change has had on the course and student input will also be shared. (Received September 20, 2005)