Completed MAED Program Coursework for Emily Stone

Concentration Area: Technology and Learning

The Technology and Learning Concentration prepares teachers, administrators, and other educational professionals for the thoughtful use of technologies to support teaching and learning in a range of educational environments. Coursework focuses on stimulating deeper understanding of the role of technology, as well as projects designed to enhance students' technology skills.

Instructor: Dr. Punya Mishra  
Learning Artifacts: Fraction Connections Website, Top 10 Design Ideas for Teachers

Learning Technology through Design is a course that investigates the process of design particularly as it applies to educational technology. The course is structured around multiple design activities and one (or two) large design projects. Topics covered include learning by design, human computer interaction, art and aesthetics of design, iterative design, design evaluation, and collaboration in design.

**CEP 805: Learning Math With Technology**, Fall 2008  
Instructor: Dr. Ralph Putnam  
Learning Artifact: Online Math Resource Library, with evaluations

This course focuses on using current technologies to support teaching and learning mathematics with understanding. We will simultaneously examine psychological and mathematical perspectives on learning mathematics and explore powerful tools for supporting that learning. These include tools for representing mathematical ideas in new ways and for creating rich context in which mathematics problem solving and learning can be carried out. The course is appropriate for teachers of mathematics from kindergarten to grade 12. We will focus especially on mathematical content from the middle grades as the site for exploring more general issues of learning and teaching mathematics with technology.

**TE 831: Teaching School Subject Matter with Technology**,  
Summer 2008  
Instructor: Dr. Sandra Crespo  
Learning Artifact: Analysis of an Educational Computer Game

This is an interdisciplinary graduate course designed to explore the pedagogical value, potential, and challenge of using technology in the teaching and learning of subject matter. In and out of class explorations are aimed at examining and re-imagining the nature of teaching and learning in traditional school settings. Laced throughout the course
are opportunities to explore gender and class issues associated with technology. The course is organized around three technology contexts—Educational Software, The Internet, and Digital Media — and explores the challenges and possibilities of teaching subject matter with these technologies.

**Required Courses**

**ED 870: Capstone Seminar**, Summer 2009  
Instructor: Dr. Patrick Dickson  
Learning Artifact: Capstone Portfolio

The Capstone Seminar is designed to engage students in discussion and reflection on their learning in the Master of Arts in Education. Each student will create a Web-based portfolio that presents a well-organized representation of their work and thinking in the program and participate in online discussion with other students in the seminar around their developing portfolios.

**TE 867: Perspective Social Studies: Global Education**, Summer 2008  
Instructor: Dr. Elizabeth Heilman  
Learning Artifact: Child Labor Unit Plan for 5th Grade

This 8-week accelerated summer course was designed to promote critical thinking about what global education means, as well as how to promote awareness and application of global issues as an educator. This was a reading-rich course and included selections from many engaging, current texts, such as Friedman's *The World is Flat*, and Sach's *The End of Poverty*. The discussions were intense, covering topics such as Globalization, "The Corporation," and teaching the Holocaust. This course stressed the importance of teaching global issues across the curriculum, as it is not simply content, but a way of thinking that spans all disciplines.

**TE 891: Educational Inquiry, Interpretations, and Criticisms**  
Spring 2007  
Instructor: Dr. James T. Minor  
Learning Artifact: Investigating Multiple Intelligence Bias

This course focuses on educational inquiry as both a field of practice and area of scholarly investigation. The goals of the course are to develop: 1) an understanding of the foundations and essence of educational inquiry 2) the ability to think and read critically about educational concepts 3) awareness about various methodological approaches used to conduct educational research 4) the ability to apply thinking and inquiry methods to an important educational issue.
Elective & Transfer Credits

CEP 882: Using Technology for Students with Mild Literacy Disabilities, Summer 2008
Instructor: Dr. Cynthia Okolo
Learning Artifact: Literacy Technology Plan

This course examined the use of technology to meet the needs of students who face challenges reading and comprehending text. We examined ways in which technology can be used to support students' literacy acquisition and to improve their performance and independence as they read and write. We considered students with literacy difficulties and students with mild disabilities (such as learning disabilities), and examined technology applications that can be used in the general education classroom. As a participant I examined a variety of technology-based applications online, chose applications that are relevant for the students I teach, and created a technology and literacy plan.

TE 804: Reflections and Inquiry Teaching Practice II, Spring 2006
Instructor: Nancy Romig
Learning Artifact: 4th Grade Language Arts Unit Plan: Mysteries

This course, completed during the second half of the internship year, supported my field experience, particularly in the area of English language arts. My colleagues and I analyzed our teaching, our students' learning, and educational issues related to literacy. We used readings, reflection, inquiry and discussion to improve our professional practice.

TE 803: Professional Roles and Teaching Practice II, Spring 2006
Instructor: Dr. Helen Featherstone
Learning Artifact: 4th Grade Math Unit Plan: Data Collecting & Analysis

This course was taking during the second half of the internship year and focused on how students learn mathematics. My colleagues and I engaged in mathematical activities and discussions to improve our practice as math educators. There was a focus on constructivist teaching and learning, and making math meaningful through. We also focused on developing strategies for planning, assessing and managing a mathematics classroom.

TE 802: Reflections and Inquiry Teaching Practice I, Fall 2005
Instructor: Yonghee Suh
Learning Artifact: 4th Grade Social Studies Unit Plan: Michigan Geography
This course was taken during the first half of the internship year and its focus was to provide opportunities for critical inquiry and reflection on educational practice and help interns create and implement powerful Social Studies units and lesson plans for elementary students. We examined concepts, methods, and strategies in order to plan a Social Studies unit. The course supported the cooperative phase of the internship by helping interns plan, teach, and assess a unit in Social Studies.