

**AUBURN UNIVERSITY**  
**SYLLABUS**  
**Fall 2012**

Marilyn Strutchens  
Haley 2454  
Thursdays, 4:00 p.m. - 6:00 p.m.

1. **Course Number:** CTSE 7970
2. **Course Title:** Mathematics Education Seminar: Mathematics Teacher Education Partnership, The Common Core State Standards Initiative, Professional Learning Communities, and Other Issues in Mathematics Education
3. **Credit Hours:** Hours may vary from 1-3.  
**Prerequisites:** None  
**Corequisites:** None
4. **Date Syllabus Prepared:** August 14, 2012 by Marilyn E. Strutchens
5. **Texts or Major Resources:** Articles from education journals and other resources.
6. **Course Description:** This seminar is one in a series of seminars which have been conducted to help develop a common vision for preservice and inservice mathematics education among mathematics education and STEM faculty and their graduate students, as well as other stakeholders involved with the MSP (TEAM-Math). We have also focused on other current and relevant issues in mathematics education. This semester we will focus on the Mathematics Teacher Education Partnership, TEAM-Math and AMSTI Professional Learning Communities, The Common Core State Standards Initiative, Individual Research Projects, and Other Relevant Issues in Mathematics Education.
7. **Course Objectives:** The goal of the course is for participants to write articles related to the different components of a systemic change project (TEAM-Math) and look at current issues related to teaching and learning school mathematics.

**8. Course Content and Tentative Schedule:**

Date	Article Topics	Presenters
<b>August 16, 2012</b>	<ul style="list-style-type: none"> <li>• Introductions</li> <li>• Overview of the Seminar</li> <li>• Update on MTE-Partnership</li> <li>• Update CAMTEP</li> <li>• Upcoming conferences and proposal due dates</li> </ul>	Strutchens & Martin
<b>August 30, 2012</b>	<ul style="list-style-type: none"> <li>• Elementary Mathematics Specialist State Certification</li> </ul>	Strutchens & others
<b>September 13, 2012</b>	<ul style="list-style-type: none"> <li>• Geoalgebra in the Mathematics Classroom and Mathematics Education in Turkey</li> <li>• Her research</li> </ul>	Yimnaz Aksoy Garrett
<b>September 27, 2012</b>	<ul style="list-style-type: none"> <li>• Discussion of Professional Learning Communities</li> </ul>	Hickman, Strutchens, & others
<b>October 10–12, 2012</b>	<ul style="list-style-type: none"> <li>• NCTM Regional, Dallas, TX</li> </ul>	<b>NO MEETING</b>
<b>October 25, 2012</b>	<ul style="list-style-type: none"> <li>• Using the iPad for Instructional Purposes</li> </ul>	Junwon, Burton, & Martin

<b>November 1-2, 2012</b>	ACTM Fall Forum 2012 Alabama State University, Montgomery, AL	<b>NO MEETING</b>
<b>November 8, 2012</b>	• Graduate Student Research Presentations	Wan, Tucker, Peppers, Hickman
<b>November 15, 2012</b>	• MTE-Partnership: Report on Working Group #2 • Graduate Students Teaching Undergraduate Mathematics courses	Strutchens & others  Albrecht & Others
<b>November 28–30, 2012</b>	• NCTM Regional, Chicago, IL	<b>NO MEETING</b>

- **Course Requirements/Evaluation:** Students enrolled in CTSE 7970, should:
  - Co-lead at least one session.
  - Prepare a final five-page paper summarizing what they have learned in the seminar.
- **Class Policy Statements:**
  - + Participation: Students are expected to participate in all class discussions and participate in all exercises. It is the student's responsibility to contact the instructor if assignment deadlines are not met. Students are responsible for initiating arrangements for missed work.
  - + Attendance/Absences: Attendance is required at each class meeting. If an exam is missed, a make-up exam will be given only for University-approved excuses as outlined in the Student Policy eHandbook ([www.auburn.edu/studentpolicies](http://www.auburn.edu/studentpolicies)). Arrangement to take the make-up exam must be made in advance. Students who miss an exam because of illness need a doctor's statement for verification of sickness and should clear the absence with the instructor the day they return to class. Other unavoidable absences from campus must be documented and cleared with the instructor **in advance**.
  - + Unannounced quizzes: There will be no unannounced quizzes.
  - ++ Accommodations: Students who need accommodations are asked to electronically submit their approved accommodations through AU Access and to arrange a meeting during office hours the first week of classes, or as soon as possible if accommodations are needed immediately. If you have a conflict with my office hours, an alternate time can be arranged. To set up this meeting, please contact me by e-mail. If you have not established accommodations through the Office of Accessibility, but need accommodations, make an appointment with the Office of Accessibility, 1228 Haley Center, 844-2096 (V/TT).
  - ++ Honesty Code: The University Academic Honesty Code and the Student Policy eHandbook ([www.auburn.edu/studentpolicies](http://www.auburn.edu/studentpolicies)) and Regulations pertaining to Cheating will apply to this class.
  - ++ Professionalism: As faculty, staff, and students interact in professional settings, they are expected to demonstrate professional behaviors as defined in the College's conceptual framework. These professional commitments or dispositions are listed below:
    - Engage in responsible and ethical professional practices
    - Contribute to collaborative learning communities
    - Demonstrate a commitment to diversity
    - Model and nurture intellectual vitality
  - + Distance Learning Students: Unless specific instructions have been given for a designated course, students in distance education courses shall take all closed resource examinations under the

supervision of an approved proctor. Examples of approved proctors include a school superintendent, a principal of a high school, or a dean or department head of a college. Proctors shall be verified and exams shall be sent directly to the proctor who will manage the examination in a secure manner, requiring students to present a picture ID.

- **Justification for Graduate Credit (for Graduate Credit Only)**
- **AU eValue Fall Semester evaluation dates:**
  - Open: November 29, 2012 (8:00 am)
  - Close: December 2, 2012 (11:59pm)