**CTSE 8950 Syllabus – Fall 2023**

Instructor: Marilyn Strutchens

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Class meets via Zoom

1. **Course Number:** CTSE 8950
2. **Course Title:** Mathematics/Mathematics Education Seminar   
   **Credit Hours:** 1; **Prerequisites:** None; **Corequisites:** None
3. **Date Syllabus Prepared:**  August 18, 2023, by Marilyn Strutchens, W. Gary Martin, and Melinda Lanius
4. **Texts or Major Resources: Examining Protocols for Measuring Teacher Effectiveness:** [**https://drive.google.com/drive/folders/1QeO6fFJ\_vtQYmgdJeV5taRj5nfhg083K?usp=share\_link**](https://drive.google.com/drive/folders/1QeO6fFJ_vtQYmgdJeV5taRj5nfhg083K?usp=share_link)
5. **Course Description:** The Mathematics/Mathematics Education Seminar provides an opportunity for graduate students and faculty in mathematical sciences fields, and others who are interested, to discuss research and current issues in mathematics teaching and learning across grade levels.
6. **Course Objectives:** This seminar has two major objectives:

* Students will present, and hear from scholars, about their on-going or planned research related to mathematics teaching and learning, engage in discussions of that work, and reflect on its implications.
* Students will participate in a book study, culminating in a colloquium presented by the author.

1. **Course Content and *Tentative* Schedule**. See on-line calendar for up-to-date information.

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| **Date** | **Topics** |
| Thu, Aug 24  4:00-5:00 p.m. | * Course Introduction * Marilyn (TODOS) |
| Thu, Aug 31, 2023  4:00-5:00 p.m. | * W. Gary Martin on TBA * TBA |
| Thu, Sep 7, 2023  4:00-5:00 p.m. | * **RTOP** * TBA |
| Thu, Sep 14, 2023  4:00-5:00 p.m. | * **TEAM Protocol** * TBA |
| Thu, Sep 21, 2023  4:00-5:00 p.m. | * Lanius on Observation Protocols as Formative Feedback * TBA |
| Thu, Sep 28, 2023  4:00-5:00 p.m. | * **EQUIP** * Elizabeth Hammonds on Math Memes |
| Thu, Oct 5, 2023  4:00-5:00 p.m. | * Elizabeth Hammonds, Brea Ratliff, Kathy Early on Family Involvement |
| Thu, Oct 12, 2023  4:00-5:00 p.m. | * Moriah L. Wallace on The Factors that influence A.A. women to enter into STEM fields. * Valentin: Genre Theory and Proof [I’m not married to this date and am happy to give it up if someone else needs it] |
| Thu, Oct 19, 2023  4:00-5:00 p.m. | * **MCOP2** * Brea Ratliff on Emergent Bilingual and Multilingual Students * (School Science and Mathematics Annual Conference) |
| October 23-28, 2023 | NCTM Conference in Washington D.C |
| November 2-3, 2020 | ACTM Conference in Oxford, AL |
| Thu, Nov 9, 2023  4:00-5:00 p.m. | * **Jonee Wilson Article** * Megan Burton:Exploring and Utilizing AI in Elementary Math Methods Courses |
| Thu, Nov 16, 2023  4:00-5:00 p.m. | Colloquium Saba Gerami, University of Michigan |
| Thu, Nov 23, 2023 | Thanksgiving |
| Thu, Nov 30, 2023  4:00-5:00 p.m. | * TBA * TBA |

1. **Course Requirements/Evaluation:** Students enrolled in CTSE 8950 (1 CR) will:
   * Participate in the discussions.
   * Write a 1-2 page reflection after each session, along with a culminating reflection.
   * Co-lead at least one session.
2. **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. Each student is expected to attend all sessions as negotiated.
* 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 Student Academic Honesty Code will be strictly enforced.

**Students are encouraged to provide feedback on their experiences in the course using AU eValuate.**