CTSE 7900 Syllabus, Summer 2012

Instructor Information
Dr. W. Gary Martin
Haley 5008
martiwg@auburn.edu
334 844 6878 or 334 559 3141 (cell)
Office hours vary; please email me for an appointment.

Class Meetings
Haley 5008
Tuesday, June 1, 2012 through July 25, 2012
Times to be arranged

1. **Course Number:** CTSE 7900
   Course Title: Independent Study -- Statistics Education
   Credit Hours: 3 semester hours
   Prerequisites: None
   Corequisites: None

2. **Date Syllabus Developed:** May 23, 2012

3. **Texts or Major Resources:** A collection of journal articles, books chapters, books, and monographs that focus on issues related to statistics education. Two general references follow; additional articles and resources will be identified by the student.
   American Statistical Assocation. *GAISE report.* Washington, DC: Author.
   National Council of Teachers of Mathematics. (2009). *Focus on high school mathematics: Reasoning and sense making in statistics and probability.* Reston, VA: Author.
   Shaughnessy, J. M., & Chance, B. (2005). *Statistical questions from the classroom.* Reston, VA: NCTM.

4. **Course Description:** Expanding knowledge of current recommendations for statistics education and its application to the secondary mathematics classroom.

5. **Course Objectives: The participant will:**
   1. Increase knowledge of statistics as it relates to the secondary mathematics classroom.
   2. Explore and analyze current issues in statistics education.
   3. Become familiar with resources for the mathematics classroom.

6. **Course Content and Schedule: (Note---Dates will be adjusted as necessary to fit instructor and student schedules.)**

June 5, 2012	Major issues in statistics education
June 19, 2012	Major issues in statistics education; begin identification of resources
July 3, 2012	Continue identification of resources; proposed organization of project
July 17, 2011	Continue identification of resources; draft website/blog
July 25, 2011	Presentation of final project and reflective paper

7. **Course Requirements/Evaluation:**

   Major Assignments
   - Identification and organization of resources related to statistics for secondary mathematics to be presented in a website or blog format. (60 points)
   - Final reflective paper outlining learning across the semester, including analysis of major issues in statistics education, to be submitted as a formal paper with proper style and citations. (40 points)

   Grading
   Each major assignment has the number of points assigned above, for a total of 100 points. Grades will be assigned on a 10-point scale (90-100=A, 80-89=B, 70-79=C, 60-69=D, below 60=F).

8. **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 Tiger Club. 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 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 alternative time can be arranged. To set up this meeting, please contact me by e-mail. Bring a copy of your Accommodation Memo and an Instructor Verification Form to the meeting. If you do not have an Accommodation Memo but need accommodations, make an appointment with the Program for Students with Disabilities at 1244 Haley Center, 844-2096 (V/TT).

Honesty Code: The University Academic Honesty Code and the Tiger Cub Rules 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