Common Core State Standards **3-Graduate Credit Course**

9th-12th Grade Statistics and Probability Refresher

June 18-22, 2012
8:00 AM—4:00 PM

CESA 8 Office
223 W Park St
Gillett, WI 54124

Jon Myers,
Instructor

In order to successfully implement the Common Core State Standards in Mathematics, high school teachers will need to teach a considerable amount of probability and statistical concepts. This course is designed to serve as a refresher of those concepts as well as an exploration of techniques to teach these concepts.

Course Objectives:
Participants will:
  Become familiar with the content of the Common Core State Mathematics Standards
  Understand the concepts of Statistics and Probability required to implement the
    standards
  Develop methods for teaching the Statistics and Probability concepts in the high
    school
  Develop learning activities for their classrooms

Outline of Content:
Interpreting Categorical and Quantitative Data
  Summarize, represent and interpret data in a single variable
  Summarize, represent and interpret data in two variables
  Interpret linear models

Making Inferences and Justifying Conclusions
  Understand and evaluate random processes underlying statistical experiments
  Make inferences and justify conclusions from surveys, experiments and
  observations
  Recognize when and where sample surveys, experiments and observational
  studies are most appropriate, and what role randomization plays in each.

Conditional Probability and the Rules of Probability
  Understand independence and conditional probability and interpret data
  Use rules of probability to compute probabilities of compound events

Techniques for teaching these concepts will also be discussed and practiced.

Applications and activities to promote student learning will also be discussed and practiced.

More information and registration information on this class can be found on myQuickReg.com

Cost: $250.00 per participant
      $330.00 for Three-Grad Credits from Viterbo (optional)
Registration: All registration will be made through our online system which can be found
    at **www.myquickreg.com,** or go to the CESA 8 webpage and click on the red link at
    the bottom of the page.
Registration Deadline: Five days before workshop date
Information: Eric Larsen, elarsen@cesa8.k12.wi.us, or
        Betty Kaliebe, bettyk@cesa8.k12.wi.us