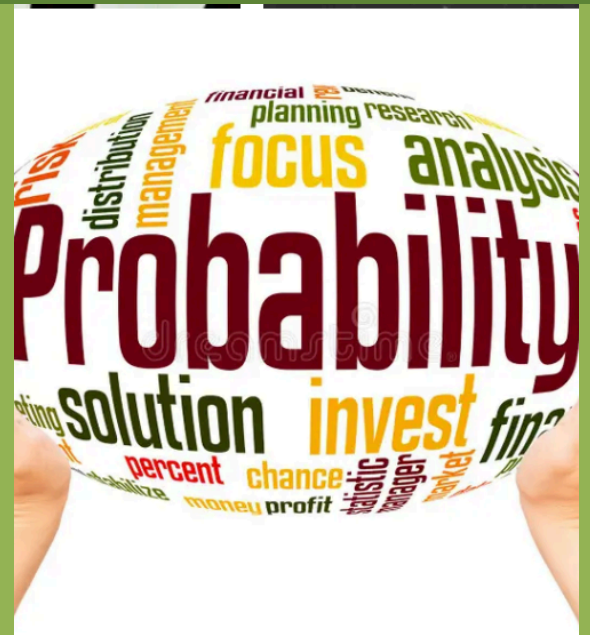
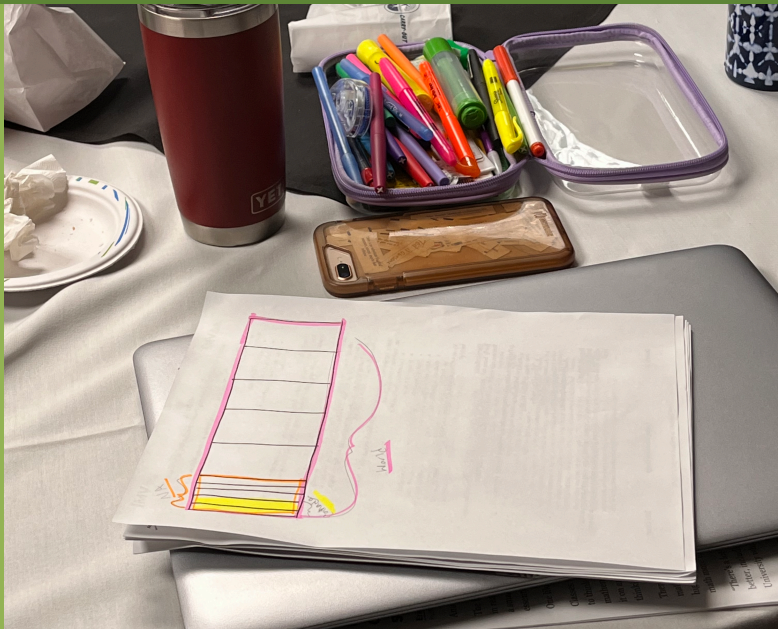


Mathematical Modeling with Probability



June 24-28, 2024



This course is intended for teachers seeking to increase their understanding of probability and strengthen their instructional skills. Probability is a critical component of a wide variety of fields and allows us to address real-world problems that involve uncertainty. Weather forecasting, financial modeling, medical applications and game theory are just a few of the areas in which probability is used. In this class, students will work together and have fun while modeling real-life situations and solving applied problems. This course, taught through a problem solving and collaborative manner, focuses on the basic terminology and concepts of probability theory, including random experiments, sample spaces, and discrete variables. Topics also include Bayes' Rule, expected value, and the fundamental properties of various distributions, such as Bernoulli, binomial, geometric, and negative binomial. This course is ideal for middle and high school teachers and VMI graduates. Other interested educators can find out more information by contacting Susan Ojala at susan@vmimathematics.com.

The Details:

Location: Burlington area, specific location TBD

Time: 8:00-4:00 daily (M-F)

Instructor: Susan Ojala and Kelsey Fink

Cost: \$2037 includes 3 VTSU Graduate Credits, all materials, and a catered lunch each day

To register: click [here](#) or visit <https://www.surveymonkey.com/r/TC7CCKK>