SHORT COURSE THE THEORY OF DESIGNING CLINICAL TRIALS FOR DRUG DEVELOPMENT

Instructor: William F. Rosenberger

University Professor

George Mason University

Time: April 26 - 29, 2022: 10:00 - 13:00

Background: Course in probability and in statistical inference

Short course on Adaptive Designs in Clinical Trials (preferred)

Assessment: Problem sets will be given. Some problems will be done in class, others

will be collected as the final exam.

Topics:

1. Inference on the binomial parameter p.

- 2. Dose-response models
- 3. Phase I clinical trials
- 4. Principle of randomization
- 5. Randomization tests
- 6. Sequential monitoring