

**PHL 454 (2 + 1)**  
**BIOLOGICAL STANDARDIZATION**

Topics I used to teach:

**Biostatistics for Bioassay measurements:**

- Revision of some basic principles
- Application of statistical methods to the comparison of treatment groups:
  - Student's t-test (Paired, unpaired)
  - Wilcoxon Rank Test (signed & sum)
  - Contingency tables and Chi-Square Test
- Analysis of the Dose-response data:
  - Linear regression of graded responses and test for parallelism between two lines.
  - Quantal response data (probit analysis of Miller & Tainter; and method of Karber).