

**STAT 890-4**  
**Selected Topics: 854 Biometrics: Methods in**  
**Biomedical Studies**

**Spring 2013**  
**Day Course**

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*Students requiring accommodations as a result of disability must contact the Centre for Students with Disabilities 778-782-3112 or csdo@sfu.ca*

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**Instructor:** [Dr. Joan Hu](#)

**Prerequisite:**

STAT 450 or permission of the instructor

**Textbook:**

Recommended:

1. *Fundamentals of Clinical Trials*, L M Friedman, C D Furberg, and D L DeMets, Springer-Verlag, New York.
2. *Clinical Trials: A Methodologic Perspective*, Second Edition, Piantadosi S., New York, NY: John Wiley & Sons.
3. *Epidemiologic Methods: Studying the Occurrence of Illness*. T D Koepsell and N S Weiss, Oxford University Press.

**Calendar Description:**

Principles, methods and applications of basic quantitative approaches in biomedical studies are presented. Topics include introduction to epidemiology; design of cohort and case-control studies; experimental versus observational data, and cross-sectional versus longitudinal studies; issues of