

STATISTICS 333 "STATISTICS FOR THE LIFE SCIENCES"

Calendar Description: H(3-3)

Exploratory data analysis, relationships between variables, elementary probability, random variables, statistical inference, application of statistical methods to medical and biological problems.

Prerequisite: Mathematics 30 or Pure Mathematics 30 or Math II (Continuing Education).

Syllabus

<u>Topics</u>	<u>Number of hours</u>
Descriptive Statistics	3
Probability	3
Discrete probability distributions	3
Continuous probability distributions	2
Sampling and Estimation	4
Hypothesis testing: one-sample inference	4
Hypothesis testing: two-sample inference	4
Non-parametric methods	4
Hypothesis testing: categorical data	3
Regression and correlation	3
TOTAL HOURS	33
