

# Biostatistics and Biometry

IN THE COLLEGE OF SCIENCES AND THE  
COLLEGE OF HEALTH AND HUMAN SERVICES

## Faculty Committee for Biostatistics and Biometry

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## General Information

San Diego State University provides preparation for biostatistically oriented careers by offering biostatistics related coursework, research opportunities and biostatistical consulting experience within regular degree programs in the Departments of Biology, Mathematics and Statistics, and the School of Public Health. A Master of Science degree in statistics with concentration in biostatistics may be earned in the Department of Mathematics and Statistics; and a Master of Public Health degree with concentration in biometry may be earned in the School of Public Health. Degrees in general biostatistics or biometry are not offered by the university. However, a Master of Science degree in biostatistics or biometry may be earned in Interdisciplinary Studies (see the appropriate section in this bulletin).

Specific courses in biostatistics and biometry (listed below) are offered with the cooperation of faculty from the participating departments. Biostatistics and biometry courses that specialize in applications to biology are offered in the Department of Biology; similarly, courses that specialize in applications to public health are offered in the School of Public Health. Courses that cover a variety of areas of application (including biology and public health) are offered by the Department of Mathematics and Statistics. In addition to these applied courses, the Department of Mathematics and Statistics offers some courses in statistics and biostatistics that are more mathematically oriented.

## Courses Acceptable for Biostatistics and Biometry

*Refer to Courses and Curricula and Regulations of the Division of Graduate Affairs sections of this bulletin for explanation of the course numbering system, unit or credit hour, prerequisites, and related information.*

### Biology (BIOL)

BIOL 605 Univariate Statistical Methods in Biology .....3

### Public Health (P H)

(Adviser: Mingan Yang, Ph.D., 619-594-3454)

P H 602 Biostatistics .....3  
 P H 627 Advanced Statistical Methods in Public Health .....3  
 P H 628 Applications of Multivariate Statistics in Public Health .....3

### Statistics (STAT)

STAT 520 Applied Multivariate Analysis .....3  
 STAT 550 Applied Probability .....3  
 STAT 551A Probability and Mathematical Statistics .....3  
 STAT 551B Probability and Mathematical Statistics .....3  
 STAT 560 Sample Surveys .....3  
 STAT 580 Statistical Computing .....3  
 STAT 670A-670B Advanced Mathematical Statistics .... 3-3  
 STAT 672 Nonparametric Statistics .....3  
 STAT 676 Bayesian Statistics .....3  
 STAT 677 Design of Experiments .....3  
 STAT 678 Survival Analysis .....3  
 STAT 680A-680B Advanced Biostatistical Methods ..... 3-3