

APPLIED STATISTICS MINOR

Minor in Applied Statistics

Information

Jeffrey Haag, Ph.D., Chair
Department of Mathematics
707-826-3143

The Program

It is increasingly necessary for practitioners in any quantitative discipline to have a substantial background in statistics. Whereas statistics has traditionally played a central role in the biological and natural resources sciences, it is now equally important in business, economics, and the social sciences.

The applied statistics minor is designed to provide the broad statistical knowledge and practical skills needed for application of statistical techniques to research and management problems in a wide variety of disciplines. The introductory, intermediate, and topics courses include computer laboratory sessions, in which students learn to use statistical software. The minor culminates with an upper division applications course.

Different choices for the introductory, intermediate, and applications courses make the

applied statistics minor an attractive complement to bachelor's degree programs in business, economics, psychology, and the biological and natural resources sciences.

REQUIREMENTS FOR THE MINOR

MATH 115 (4) Algebra & Elementary Functions, **or** equivalent math placement code

One of the following calculus courses:

MATH 105 (3) Calculus for the Biological Sciences & Natural Resources

MATH 109 (4) Calculus I

One of the following introductory courses:

PSYC 241 (4) Introduction to Psychological Statistics

STAT 108 (4) Elementary Statistics

STAT 109 (4) Introductory Biostatistics

One of the following intermediate courses:

BA 332 (4) Intermediate Business Statistics

PSYC 478 (4) Analysis of Variance

STAT 333 (4) Linear Regression Models/ANOVA

Two topics courses from the following list:

STAT 323 (4) Probability & Statistics

STAT 404 (4) Multivariate Statistics

STAT 406 (4) Sampling Design & Analysis

STAT 409 (4) Experimental Design & Analysis

STAT 410 (4) Modern Statistical Modeling

STAT 480 (1-3) Special Topics in Statistics

One advanced applications course from the following list:

BA 446 (4) Marketing Research

FISH 458 (4) Fish Population Dynamics

FOR 311 (4) Forest Mensuration & Growth

PSYC 488 (4) Regression/Multivariate Topics

WLDF 311 (4) Wildlife Techniques

WLDF 478 (3) Animal Energetics

or other applications course with substantial statistics content, as approved by the Applied Statistics coordinator.

