Statistics

The University of Oregon does not have a formal department of statistics. However, a variety of courses are either exclusively or primarily about statistics. Over the past several decades, statistical techniques have become a primary tool of empirical research. As such, a variety of functional areas and disciplines teach applied statistical techniques. This is particularly true at the graduate level, where research plays an important role.

Degrees

The Department of Mathematics in the College of Arts and Sciences offers both undergraduate and graduate degrees with options that allow a specialty in statistics. Interested students should address inquiries about specific requirements to that department.

Statistics Courses

Students and advisors should be aware that, within any given area, two or more courses offered by different departments could contain such similar content that a student might not be granted credit toward graduation for more than one of the courses.

Introductory Statistics

- **Earth Sciences.** Earth and Environmental Data Analysis (ERTH 418), Earth and Environmental Data Analysis (ERTH 518)
- **Human Physiology.** Scientific Investigation in Physiology (HPHY 212)
- **Mathematics.** Introduction to Methods of Probability and Statistics (MATH 243), Statistical Models and Methods (MATH 343), Statistical Methods I (MATH 425), Statistical Methods I (MATH 525)
- **Political Science.** Methods for Politics and Policy Analysis I (PS 445),
- **Psychology.** Applied Data Analysis (PSY 412), Applied Data Analysis (PSY 512)
- **Sociology.** Statistical Analysis in Sociology (SOC 312)

Advanced Statistics

- **Anthropology.** Statistical Analysis of Biological Anthropology (ANTH 470), Statistical Analysis of Biological Anthropology (ANTH 570)
- **Economics.** Introduction to Econometrics (EC 320)**,** Introduction to Econometrics (EC 421), Econometrics (EC 423), Econometrics (EC 523), Econometrics (EC 424), Econometrics (EC 524), Econometrics (EC 425), Econometrics (EC 525)
- **Education.** Educational Statistics (EDUC 614), Applied Statistical Design and Analysis (EDUC 640), Applied Multivariate Statistics (EDUC 644)
- **Finance.** Quantitative Methods for Finance (FIN 615)
- **Mathematics.** Introduction to Mathematical Methods of Statistics I (MATH 461), Introduction to Mathematical Methods of Statistics I (MATH 561), Introduction to Mathematical Methods of Statistics II (MATH 462), Introduction to Mathematical Methods of Statistics II (MATH 562), Mathematical Methods of Regression Analysis and Analysis of Variance (MATH 463), Mathematical Methods of Regression Analysis and Analysis of Variance (MATH 563), Stochastic Processes (MATH 467), Stochastic Processes (MATH 567), Theory of Probability (MATH 672), Theory of Probability (MATH 673)
- **Operations and Business Analytics.** Business Analytics II (OBA 312) Business Analytics II (OBA 312H)
- **Psychology.** Data Analysis I (PSY 611), Data Analysis II (PSY 612), Data Analysis III (PSY 613)
- **Sociology.** Sociological Research Methods (SOC 412), Sociological Research Methods (SOC 512), Sociological Research Methods (SOC 413), Sociological Research Methods (SOC 513)