7084 Practicum in Statistical Consulting II (2) F,S,Su Prereq.: EXST 7083 and permission of instructor. 4 hrs. independent study. Pass-fail grading. May be taken for a max. of 6 sem. hrs. credit. Primary responsibility for statistical consulting projects under the supervision of graduate faculty.


7087 Advanced Topics in Statistics (1-3) V Prereq.: consent of instructor. May be repeated for credit when topics vary. Lectures on advanced topics in statistics not covered in other experimental statistics courses.

7142 Statistical Data Mining (3) F Prereq.: EXST 7013, 7014, 7015, 7019, or equivalent. Data preparation tools; model prediction; objects grouping; and variables classification.

7151 Bayesian Data Analysis (3) V Prereq.: EXST 7013 or 7014 or 7015 and EXST 7060; or consent of department head. Introduction to Bayesian statistical methods and their application in fields such as agriculture, biology, engineering, and medicine; topics include non-informative, conjugate and elicited priors; posterior development; common single and multiple parameter models such as binomial, normal, Poisson, and exponential; hierarchical models; hypothesis testing and credible sets; posterior simulation via Markov Chain Monte Carlo; and performance of Bayesian procedures.

7999 Independent Study (1-3) F,S,Su Prereq.: permission of instructor. May be taken for a max. of 9 sem. hrs. of credit when topics vary. Independent study under the guidance of graduate faculty.

8000 Thesis Research (1-12 per sem.) "S"/"U" grading.