Curriculum Committee Annual Report 2014 – 2015

The 2015–2016 university catalog was published online March 2015. You can access it at http://catalog.iastate.edu. Previous catalogs can be found at http://catalog.iastate.edu/previouscatalogs.

Course changes for the 2016–2017 university catalog were submitted in April. Because the catalog is updated every year there is very little time between when the catalog is released (end of March) and when changes to course descriptions are due (middle of April). In order that changes to the catalog, including new course descriptions, can be reviewed by the curriculum committee, those changes need to be submitted to the curriculum committee chair by the end of February.

New Experiment Courses


Courses Added to the 2016 – 2017 Catalog


STAT 547. Functional Data Analysis, (3-0) Cr. 3. Alt. S odd-numbered years. Prereq: STAT 543, STAT 511. Theory and methods for analyzing functional data, which are high dimensional data resulting from discrete error-contaminated measurements on smooth curves and images. The topics include kernel and spline smoothing, basis expansion, semiparametric regression, functional analysis of variance, covariance modeling and estimation, functional principal component analysis, functional generalized linear models, joint modeling, dimension reduction, classification and clustering functional data.
STAT 644. Advanced Bayesian Theory. (3-0) Cr. 3. Alt F even-numbered years. 
Prereq: STAT 544, STAT 642. Exchangeability, parametric models, consistency and 
asymptotic normality of posterior distributions, posterior robustness, selection of priors 
using formal rules, improper priors and posterior propriety, Bayes factors, model 
selection, MCMC theory, irreducibility, Harris recurrence, regeneration, minorization, 
drift, ergodicity, limit theorems, techniques for speeding up convergence of certain 
MCMC algorithms.