

4-23-2008

STAT 4671 Course Proposal 04-23-08

Curriculum Committee

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Electronic Course Authorization System (ECAS)
STAT 4671 - VIEW COURSE PROPOSAL

Approvals Received: Department on 04-23-08
by Carol Ford (fordcj@umn.edu)

Approvals Pending: Curriculum Committee > Campus Assembly > Catalog

Effective Status: Active

Effective Term: 1085 - Summer 2008

Course: STAT 4671

Institution: UMNMO - Morris

Career: UGRD

College: MDSM - Division of Science and Mathematics

Department: 242 - UMM-Sci & Math, Div of-Adm

General

Course Title Short: Statistical Computing

Course Title Long: Statistical Computing

Max-Min Credits for Course: 4.0 to 4.0 credit(s)

Catalog Description: Entering, exploring, modifying, managing, and analyzing data by using selected statistical software packages such as R or SAS. The use of statistical software will be illustrated with applications of common statistical techniques and methods. This course is designed for students who have a basic understanding of statistics and want to learn the computing tools needed to carry out an effective statistical analysis.

Additional Course Information (for catalog production): <no text provided>

Grading Basis: Stdnt Opt

Honors Course: No

Delivery Mode(s): Classroom

Years most frequently offered: Other frequency

Term(s) most Summer

frequently offered:

Component 1: LEC (with final exam)

Auto-EnrollCourse: No

Graded Component: LEC

Academic Progress Units: Not allowed to bypass limits.
4.0 credit(s)

Financial Aid Progress Units: Not allowed to bypass limits.
4.0 credit(s)

Repetition of Course: Repetition not allowed.

Course Prerequisites for Catalog: 1601 or 2601 or 2611 or #

Course Equivalency: No course equivalencies

Consent Requirement: No required consent

Enforced Prerequisites: No prerequisites
(course-based or non-course-based)

Editor Comments: 04.23.08 - Edited for PSoft. jls

Proposal Changes: <no text provided>

History Information: <no text provided>

Assessment and Goals: <no text provided>

Rationale for Changes or Exceptions: THIS COURSE WILL SERVE UMM STUDENTS WHO ARE INTERESTED IN THE COMPUTATIONAL ASPECTS OF STATISTICAL DATA ANALYSIS. BASED ON THE DISCIPLINE'S PAST EXPERIENCE, STUDENTS WITH AN EXTENSIVE KNOWLEDGE OF STATISTICAL SOFTWARE PACKAGES HAVE A BETTER CHANCE OF ENTERING GRADUATE PROGRAMS, AND SECURING POSITIONS AT RESEARCH INSTITUTIONS ESPECIALLY IN MEDICINE. THE COURSE ALSO WILL ATTRACT RESEARCHERS FROM APPLIED FIELDS WHO ARE INVOLVED WITH LARGE DATA SETS REQUIRING SOPHISTICATED STATISTICAL METHODS AND TECHNIQUES.

General Education

Faculty Sponsor Engin Sungur

Name:

Requirement this
course fulfills:

M/SR - M/SR Mathematical/Symbolic Reasoning

**Provisional
Approval:**

Not Requested

Regular Approval:

Requested on Mar 4, 2008