

**Proposed Course Additions, Deletions and Changes
List #4 – Spring 2008**

SCHOOL OF BUSINESS AND ECONOMICS

Course Changes:

BUS 305W Introduction to Wine Business Strategies

Change Title to: Introduction to Wine Business

Justification: New title better reflects the introducing nature and general topical coverage of the course. It is not a strategy course.

ECON 201A Intro to Macroeconomics

Change Course #: From 201A to 204

Justification: The number change is to reduce confusion about the link between this course and its upper division relative (ECON 304) concerning student advising and department materials. The decision was made after assessing student feedback on our course numbering system.

ECON 201B Intro to Microeconomics

Change Course #: From 201B to 205

Justification: The number change is to reduce confusion about the link between this course and its upper division relative (ECON 304) concerning student advising and department materials. The decision was made after assessing student feedback on our course numbering system

SCHOOL OF SCIENCE AND TECHNOLOGY

Course Deletions:

MATH 181 Computing for Statistics

Justification: Math 181 is being deleted and is being replaced by Math 381 because the material covered and the prerequisite makes the course a 300-level course, not a 100-level course.

MATH 365 Statistical Inference I

Justification: Math 365 is being deleted because the material in that course will be covered in other courses such as Math 345 and Math 445.

PHYS 413 Microprocessor Applications

Justification: Course is no longer offered.

PHYS 413L Microprocessor Applications Lab

Justification: Course is no longer offered.

Course Additions:

MATH 381 Computing for Statistics:SAS Programming Language Units: 2
Grade Mode: Graded

Students will learn how to write SAS programs in order to perform data management tasks, statistical analyses, and to generate summary graphs and SAS reports. Topics include essential programming concepts – the environment and steps; typical data processing tasks; data management techniques – working with SAS libraries and different types of data, data set input and output, validation, merging, and subsets; statistical analyses – descriptive statistics, histograms and bar charts, analysis of variance, regression analysis; and generation of SAS reports. Prerequisite: Math 265 or concurrent enrollment; or consent of instructor.

Justification: We are deleting Math 181 and replacing it with this new course, Math 381. Math 381 is being replaced with a new course, Math 381 because the material covered makes the course a 300-level course, not a 100-level course.

MATH 445 Mathematical Statistics and Operations Research Units: 4
Grade Mode: Graded

Topics Include: Properties of statistics, convergence in probability, theory of estimation and confidence intervals, Bayesian statistics, tests of significance, power and uniformly most powerful tests, random processes (with emphasis on queuing theory) and stationarity. Prerequisite: Math 345 or consent of instructor.

Justification: We will no longer require Math 365 or Math 441 as degree requirements for students in statistics. We propose a new course, Math 445, which will include the relevant material from 365 and 441.

MATH 467 Statistical Consulting, Communication and Project Management Units: 2
Grade Mode: Graded

This course is a blending of theoretical and practical aspects of statistical consulting. Students learn how to consult with professionals in various fields, find creative statistical solutions to real-world problems and present results in oral and written form. Students also learn about research and statistical software packages. Math 467 covers the same topics of math 367. In addition, students taking Math 467 will also learn how to oversee a statistical project by a team. Prerequisite: Math 367 or consent of instructor.

Justification: Currently students take Math 367 twice for a total of 4 units. We propose that students take both Math 367 and math 467 for a total of 4 units. Thus, Math 467 is a new course which will have Math 367 as a prerequisite and will be at a higher level than Math 367.

Course Changes:

MATH 165 Elementary Statistics

Change Title: To: Elementary Applied Statistics

Justification: Change of title will better reflect course content.

MATH 265 Intermediate Statistics

Change Description: This course is a technology-intensive examination of the application of statistical techniques to the real world of using SPSS. The course extends the concepts learned in an elementary statistics course and introduces new topics; it is suitable for students with an interest in applying statistics to their field of interest. Topics selected from: theory of estimation, ANOVA (analysis of variance), multiple regression, principles of experimental design, sampling theory, time series analysis, non-parametric statistics, and multivariate analysis. Prerequisite: Math 165 or Math 250 or consent of instructor.

Change Title: To: Intermediate Applied Statistics with SPSS

Justification: Math 265 will specifically cover SPSS programming so the description and the title have been changed to reflect the SPSS topics covered.

Change Units: From 3 to 4

Justification: Math 265 will be increased from 3 to 4 units because the statistical software program SPSS will now be included.

MATH 345 Probability Theory

Change Description: Topics include probability spaces, discrete and continuous random variables, selected probability distributions for random phenomena, distributions of functions of random variables, moment generating functions, expected value, covariance and correlation, conditional expectation, law of large numbers and central limit theorem, sampling distribution of estimators. Prerequisite: Math 261 or consent of instructor.

Justification: We are removing Math 220 as prerequisites for the course. We are deleting Math 365 and some material from that course will be included in 345. We have also changed the description to better reflect the material from Math 220 and Math 365 that will now be covered in Math 345.

Change Units: From 3 to 4

Justification: Due to the additional material covered in the course, we are increasing from 3 to 4 units.

MATH 367 Statistical Consulting

Change Description: This course is a blending of the theoretical and practical aspects of statistical consulting. Students learn how to consult with professionals in various fields, find creative statistical solutions to real world problems and present results in oral and written form. Students also learn about research and statistical software packages.

Prerequisite: Math 265 or consent of instructor.

Justification: Currently students take Math 367 twice for a total of 4 units. We now require that students take both Math 376 and Math 467 for a total of 4 units. Thus, the part of the course description that says course may be repeated twice for a total of 4 units may be removed.

Change Title to: Statistical Consulting and Communication

Justification: The title is being changed to better reflect the course content.

MATH 465 Statistical Inference II

Change Description: Advanced course in simple and multiple linear regression analysis; nonlinear and nonparametric regression analysis. Design of experiments and analysis of variance including one-way, two way and block design; nonparametric techniques and multiple comparison methods. Prerequisite: Math 265 and Math 241 or a course in linear algebra or consent of instructor.

Change Title to: Experimental Design and Regression Analysis

Justification: The title and description of the 465 are being changed to better reflect the material covered in the course.

SCHOOL OF SOCIAL SCIENCES

Course Changes:

CCJS 201 Criminal Justice & Public Policy

Change Description: A systematic analysis of the effectiveness and influence of criminal justice policy and practice throughout the criminal justice system. The focus is on the development and implementation of crime control policy. Satisfies GE, category D1 (Individual and Society).

Justification: CCJ 201C no longer offered.

CCJS 370 Seminar: Criminal Justice Methods

Change Title to: Seminar: Research Methods

Justification: Clarifies course purpose.

CCJS Lecture Series

Change Description: A weekly meeting or meetings offering presentations and discussions by guest lecturers on issues of current interest and importance. May be repeated for a total of 3 units.

Justification: Class may be offered twice a week.

CCJS 420 Seminar in Criminology

Change Description: An in-depth analysis of theories of criminal behavior; psychological, sociological, biological factors; professional criminals, white collar crimes, and other selected examples of deviant behavior and their relationship to agencies of social control. CJA 220 strongly recommended.

Justification: Change necessary to comply with department name change.

CCJS 441 Deviant Behavior

Change Description: The social causes and consequences of insanity, delinquency, criminality, addiction, social unconventionality, and other "deviant" behavior. Examine the conversion and commitment to deviant worldviews, and the social processes involved in the transformation to a deviant identity.

Justification: Grammar correction.

CCJS 490 Senior Seminar: Criminology and Criminal Justice

Change Title to: Senior Seminar: Criminology and Criminal Justice Studies

Justification: Change necessary to comply with the department name change.