

# LINDENWOOD

LINDENWOOD UNIVERSITY

ST. CHARLES, MISSOURI

## **Addendum to the 2013/2014 LU-Belleville Catalog**

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## **Math/Statistics Cluster**

### **IMH 13200 - Quantitative Management Applications (3)**

This course emphasizes problem solving skills in management and finance. Topics include simple and compound interest, annuities, discounts, installment buying, amortization, reading and interpreting financial reports, depreciation, taxes, insurance, and investments. Mathematical tools include solving linear equations, linear regression, and basic statistical models. The uses of tables, calculators, and Excel are stressed.

Offered: St. Charles, Westport, and North County locations and the Belleville campus each term, intermittently at other locations.

*Notes: (1) Requires either passing the Math Placement exam with a score of 70% or better, or completion of IMH 05100 with a grade of "C" or better.*

*(2) A student who has transferred 3 semester hours in an approved math general education course may take a single 3 semester hour math general education course to satisfy the math requirement. Students with no general education math transfer credit must take the cluster.*

*(3) Some majors have special requirements as described in all those majors. All business administration, human resource administration, and health management majors must take statistics, even if they have transferred in more than one non-statistics course at the college algebra or above level. The Math/Statistics Cluster satisfies the mathematics general education requirement for all majors.*

### **IMH 14200 - Basic Statistics (3)**

This course is an introduction to the theory and applications of descriptive and inferential statistics including probability, random variables, expected values, probability distribution functions, and hypothesis testing.

Offered: St. Charles, Westport, North County locations and the Belleville campus in each term, intermittently at other locations.

### **IMH 22000 - Research Design and Methodology (3)**

This is the first course in collecting, organizing, and drawing conclusions from data. Topics include sampling, first steps in statistical design of experiments, ethical problems, correlation, association and causation, and prediction.

Offered: St. Charles, Westport, and North County locations and the Belleville campus each term, intermittently at other locations.