

NORTHERN ILLINOIS UNIVERSITY
Testing Services and Graduate Studies in Business

PHASE ONE EXEMPTION EXAMINATION
OMIS 524 - BUSINESS STATISTICS

Phase One course work is designed to compensate for deficiencies in undergraduate course work or experiences considered to be prerequisites for Phase Two graduate course work. **Deficiencies in the Phase One requirements must be resolved by either satisfactory completion of the course or by passing the appropriate exemption examination.**

COURSE DESCRIPTION: Descriptive statistics: probability, random variables, and probability distributions; sampling and sampling distributions; estimation and hypothesis testing; simple regression and correlation analysis. Applications in industry and business.

EXEMPTION EXAMINATION: The examination consists of 35 multiple choice questions covering the following: descriptive statistics, probability concepts, random variables, discrete and continuous probability distributions, sampling distribution, confidence intervals, hypothesis testing, simple linear regression, and correlation. Exam is open book. Examinee may bring and use one standard statistics textbook during the exam. Examinee is responsible that textbook has tables of various distributions (e.g., normal, t, F, DW, Chi-square). Examinee may use non-programmable calculators only. Ninety minutes of testing are allowed.

The minimum passing score is 28 items correctly answered. Upon successful completion of this examination the OMIS 524 Phase One deficiency will be met.

NOTE: A student may attempt an exemption examination only once for a given Phase One course. The score for a second attempt of the same Phase One course will be automatically nullified.

REGISTRATION: To attempt the OMIS 524 examination a student must register in advance with NIU Testing Services. Office hours are Monday through Friday, 8 a.m. until noon and 1:00 to 4:30 p.m. This examination is administered at Testing Services during regularly scheduled office hours. Phone (815) 753-1203.

EXAMINATION RESULTS: Results will be mailed to you from the Office of Graduate Studies in Business. Phone (815) 753-1245.

STUDY MATERIALS:

Anderson, Sweeney, and Williams, *Statistics for Business and Economics*, 5th Edition, West Publishing. •

Becker, *Statistics for Business and Economics*, South-Western Publishing.

Brightman and Schneider, *Statistics for Business Problem Solving*, 2nd Edition, South-Western Publishing.

Daniel and Terrell, *Business Statistics for Management and Economics*, 7th Edition, Houghton Mifflin.

Kvanli, Guynes and Pavur, *Introduction To Business Statistics*, 3rd Edition, West Publishing Company.

Lapin, *Statistics For Modern Business Decisions*, 6th Edition, Dryden Press.

Lee, *Statistics For Business and Financial Economics*, D.C. Heath and Company. •

Levin and Rubin, *Statistics for Management*, 6th Edition, Prentice Hall.

Levine, Ramsey and Berenson, *Business Statistics for Quality and Productivity*, Prentice Hall.

Mann, *Statistics for Business and Economics*, John Wiley and Sons.

Mansfield, *Statistics For Business and Economics*, 5th Edition, W.W. Norton & Co.

* Currently or recently used by the OMIS Department for OMIS 223, *Introduction to Business Statistics*.

WHAT TO BRING TO THE EXAMINATION:

Students should report at their assigned testing time to Testing Services with the following:

1. Appropriate photo ID (driver's license, school ID or passport, etc.)
2. Their Graduate School letter of admission verifying the OMIS 524 Phase One deficiency
3. A non-programmable calculator.
4. One standard statistics textbook.