



COURSE DESCRIPTION

STA111: Introduction to Probability and Statistics

CREDIT HOURS	4 Credit hours (2 Lectures, 0 Lab, 2 Tutorial)
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PREREQUISITE	MAT 113
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COURSE DESCRIPTION

This course describes the most important ideas, theoretical results, and examples of descriptive statistics, counting, random variables, probability distributions, simple linear regression and sampling distribution. The course includes the essential fundamentals of these topics. The emphasis is on calculations, and some applications are mentioned. The use of statistical packages is essential during first and seventh chapters.

References

Required Textbook

- Introduction to Probability and Statistics; 14th Edition, W. Mendenhall, R. J. Beaver, Barbara M. Beaver, Duxbury Press, 2013. ISBN-13: 9781133103752.

Essintial References

- Probability and Statistics in Engineering, 4th Edition, William W. Hines, Douglas C. Montgomery, David M. Goldsman, Connie M. Borror, John Wiley & Sons Inc, 2003. ISBN: 9780471240877.
- Data Analysis with Microsoft Excel, 3rd Edition, Kenneth N. Berk, Patrick Carey, Duxbury Press, 2010. ISBN: 9780538494670.