



COURSE DESCRIPTION

MAT113: Applied Calculus (1)

CREDIT HOURS	4 Credit hours (3 Lectures and 2 Tutorials)	PREREQUISITE	No prerequisit
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This course describes the most important ideas, theoretical results, and examples of limit, continuity, differentiation, integration and its techniques for functions with one variable. The course includes the essential fundamentals of these topics. The emphasis is on calculations, and some applications are mentioned.

References

Required Textbooks:

- Calculus, 4th Edition; R. T. Smith, R. B. Minton, McGraw-Hill, 2012.

Essintial Referernces:

- Essential Calculus with Application; Richard A. Silverman, Dover Publications, 1989.
- Calculus; O. Swokowski, et al, PWS Pub. Co.; 6th Edition, 1994.
- Calculus: Early Transcendentals, 7th Edition; C. Henry Edwards, David E. Penney, Pearson Prentice Hall, 2008.
- Schaum's Outline of Calculus, 6th Edition; Frank Ayres, Elliott Mendelson, McGraw-Hill, 2013.