COURSE DESCRIPTION

MAT1113: Applied Calculus (2)

CREDIT HOURS	4 Credit hours (3 Lectures, 0 Lab, 2 Tutorial)	PREREQUISITE	MAT 1112

COURSE DESCRIPTION
Enhance and reinforce the knowledge of Applied Calculus (1), with other topics, which are essential to proceed to next courses in all programs. This course describes the most important ideas, theoretical results, and examples of integration techniques, infinite series, and Parametric Equations. The course includes the essential fundamentals of these topics. The emphasis is on calculations, and some applications are mentioned.

References
• *Calculus, Early Transcendental Functions,* Robert Smith, Roland Minton, McGraw-Hill Science Engineering, 2007. (Main Reference)
• *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.