PLANES DE ESTUDIO

MA1017
Mathematics II

SPANISH

CIP: 270101 Mathematics, General. **C-L-U:** 3-0-8

Academic department that offers it:

Mathematics

Graduate Programs who offer them:

2 IA11, 2 IBN11, 2 IBT11, 2 IDA11, 2 IC 11, 2 IDS11, 2 IFI11, 2 IIA11, 2 IID12, 2 IIS11, 2 IMA11, 2 IMD11, 2 IME11, 2 IMI11, 2 IMT11, 2 INCQ13, 2 INT11, 2 IQA11, 2 IQP11, 2 ISC11, 2 ISD11, 2 ITC11, 2 ITE11, 2 ITIC11, 2 ITS11, 2 LAF11, 2 LDF11, 2 LEC11, 2 LEF11, 2 IAB11, 2 IIN12, 2 ITM11, 2 LCQ11, 2 LDC11, 2 LEP11
Certificates

Requirement:

(MA1015)

Equivalence:

MA1004

General aim of the course:

Upon completion of this course, students will be able to understand the concepts of definite integral and the differential; use the integral and its properties to solve problems; solve integrals using the integration techniques; comprehend the concepts of succession and series; and apply Taylor's theorem to solve problems that require approximation.

Teaching and learning tecniques:

Collaborative learning

Bibliography:

BOOKS FOR CONSULTATION:
* Salinas, Alanis, Pulido, Santos, Escobedo y Garza, Elementos del Cálculo, México: Trillas, 2005,
* Larson, Hostetler, Edwards, Cálculo con Geometría Analítica, México: McGraw-Hill, 1995,
* Purcell, Varberg, Rigdon, Cálculo, México: Pearson Educación, 2010,
* Thomas, Finney, Cálculo Una Variable, México: Pearson, Adisson-Wesley,
* Santiago, Prado, Gómez, Quezada, Zúñiga, Pulido, Barajas y Gómez, Cálculo Integral para Ingeniería, México: Pearson Educación, 2011,
* Stewart, Single Variable Calculus Early Transcendentals, Belmont, CA: Thomson Brooks/Cole,

Professor´s profile:

Master Degree in Computational Sciences; Master Degree in Computer/Information Sciences; Master Degree in the area of Engineering; Master Degree in Physics; Master Degree in Mathematics; Doctoral Degree in Computational Sciences; Doctoral