



PLANES DE ESTUDIO

MA1006 Probability and Statistics

SPANISH

Creditable course by proficiency test

CIP: 270101 Mathematics, General.

C-L-U: 3-0-8

Academic department that offers it:

Mathematics

Graduate Programs who offer them:

0 MII08, 0 MET09, 3 IA 07, 3 IEC05, 3 IEC08, 3 ISC05, 3 ISE05, 3 ISI05, 3 IA11, 5 IBN11, 5 IBT11, 4 IDA11, 4 IC 11, 3 IDS11, 3 IFI11, 5 IIA11, 4 IMA11, 6 IMD11, 4 IME11, 4 IMI11, 5 IMT11, 5 INCQ13, 3 INT11, 4 IQA11, 4 IQP11, 3 ISC11, 4 ISD11, 3 ITC11, 4 ITE11, 4 ITIC11, 4 ITS11, 3 IDS10, 2 IDA10, 4 INT09, 3 ISD08, 3 IA 08, 3 IAB07, 4 IAB11, 3 IBT07, 3 IC 07, 4 IFI07, 3 IIA07, 3 IIS07, 3 IMA07, 5 IMD05, 3 IME07, 5 IMT07, 3 IQA07, 3 ISC09, 3 IQS07, 3 ISC08, 3 ITC05, 3 ITC08, 4 ITM08, 3 ITC09, 3 ITE05, 4 ITE08, 3 ITIC05, 3 ITIC08, 4 ITM11, 4 ITS08, 3 LCDE09, 4 LCQ07, 4 LCQ09, 5 LCQ11

Certificates

Requirement:

(MA1004 or MA1017)

Equivalence:

MA00835

General aim of the course:

Upon completion of this course:

- Students will understand the basic concepts of probability and problem solving using counting techniques, conditional probability, and discrete and continuous random variables and their distributions.
- Students will analyze a set of experimental data and make statistical inferences from the data.

Teaching and learning techniques:

Problem-based Learning

Bibliography:

TEXT BOOKS:

* Johnson, Robert Russell, Estadística elemental: Lo esencial, 10ma Edición, México; Australia: Cengage Learning, 2008, español, 9706868356, 9789706868350

* Devore, Jay L., Probabilidad y Estadística para ingeniería y ciencias, 7ma. Edición, México: Cengage Learning, 2008, español, 9706868313, 9789706868312

BOOKS FOR CONSULTATION:

* Montgomery, D. y Runger, G., Probabilidad y Estadística aplicadas a la Ingeniería, 2da. Edición, México: LIMUSA, 2012, Español,