Tecnológico de Monterrey

PLANES DE ESTUDIO

IN2023
Design and Analysis of Experiments

SPANISH

Course in which it's recommended to incorporate the reflection on ethical dilemmas.
Course in which it's recommended to incorporate the use of information technologies.
CIP: 143501 Industrial Engineering.   **C-L-U:** 3-0-8

Academic department that offers it:
Industrial Engineering

Graduate Programs who offer them:
6 IA11, 6 IBN11, 7 IBT11, 6 IDA11, 5 IDS11, 5 IFI11, 6 IIA11, 6 IIS11, 6 IMA11, 7 INCQ13, 6 INT11, 6 IQA11, 6 IQP11, 6 IAB11, 7 LCQ11
Certificates

Requirement:
(MA1006 or MA2011)

Equivalence:
IN2002

General aim of the course:
Upon completion of this course, students will be able to build regression models, and design, conduct and analyze experiments to prove hypotheses in science- and engineering-related problems.

Teaching and learning tecniques:
Not Specified

Bibliography:
TEXT BOOKS:
* Montgomery, Douglas C., Introducción al análisis de regresión lineal , 1a ed., México : Patria, 2002, spaeng, 9702403278, 9789702403272
* Montgomery, Douglas C., Design and analysis of experiments , 6th ed., Hoboken, NJ : John Wiley & Sons, 2005, , 0471487357 (encuadernado), 047148735X (ru´stica), 0471661597 (WIE), 9780470167694 (CD-ROM), 9780471487357

BOOKS FOR CONSULTATION:
* Gutiérrez Pulido, Humberto., Análisis y diseño de experimentos, 2a ed., México : McGraw-Hill, 2008, , 9701065263, 9789701065266
* Neter, John, Applied linear statistical models , 4a ed., Chicago : Irwin, c1996, , 0256117365

Professor´s profile: