



PLANES DE ESTUDIO

IN2004 Statistical Quality Control

SPANISH

Course in which it's recommended to incorporate the reflection on ethical dilemmas.

CIP: 143501 Industrial Engineering.

C-L-U: 3-0-8

Academic department that offers it:
Industrial Engineering

Graduate Programs who offer them:
6 IBT11, 7 IIA11, 5 IIS11, 5 IMA11, 5 INT11, 5 IQA11, 6 INT09, 6 IIN12, 5 IIS07, 6 IMA07
Certificates

Requirement:
(IN2002 or MA1006 or MA2011 Corequisite or MA2011)

Equivalence:
IN00852 ; PR2335

General aim of the course:
Upon completion of this course, students will be able to select and apply statistical quality control tools in order to improve production and service processes.

Teaching and learning techniques:
Problem-based Learning

Bibliography:
TEXT BOOKS:
* Mitra, Amitava., Fundamentals of quality control and improvement , 3rd ed., Hoboken, N.J. : Wiley, 2008, , 0470226536 (tela), 9780470226537 (tela)
* Montgomery, Douglas C., Introduction to statistical quality control, 6th ed., Hoboken, N.J. : Wiley, c2009, , 9780470169926 (papel alcalino)

BOOKS FOR CONSULTATION:
* Ewens, W. J. (Warren John), Statistical methods in bioinformatics : an introduction , , New York : Springer, c2001, , 0387952292 (alk. paper)
* Juran, J. M., Manual de control de calidad, 2a ed., Barcelona, España : Editorial Reverté, 2005, spaeng, 842912652X
* Besterfield, Dale H., Total quality management , 3rd ed., Upper Saddle River, N.J. : Prentice Hall, 2003, , 0130993069

Professor´s profile:
Master Degree in Statistics; Master Degree in Systems Engineering; Master Degree in Industrial Engineering; Master Degree