



PLANES DE ESTUDIO

F1002 Physics I

SPANISH

Creditable course by proficiency test

CIP: 400801 Physics, General.

C-L-U: 3-1-8

Academic department that offers it:

Physics

Graduate Programs who offer them:

1 IA 07, 1 IEC05, 1 IEC08, 2 ISC05, 1 ISE05, 2 ISI05, 1 IA11, 1 IBN11, 1 IBT11, 1 IDA11, 1 IC 11, 1 IDS11, 1 IFI11, 1 IIA11, 1 IID12, 1 IIS11, 1 IMA11, 1 IMD11, 1 IME11, 1 IMI11, 1 IMT11, 1 INCQ13, 2 INT11, 1 IQA11, 1 IQP11, 1 ISC11, 1 ISD11, 1 ITC11, 1 ITE11, 1 ITIC11, 1 ITS11, 1 IDS10, 1 IDA10, 1 INT09, 1 ISD08, 1 IMI10, 1 IA 08, 1 IAB07, 1 IAB11, 1 IBT07, 1 IC 07, 1 IFI07, 1 IIA07, 1 IIN12, 1 IIS07, 1 IMA07, 1 IMD05, 1 IME07, 1 IMT07, 1 IQA07, 1 ISC09, 1 IQS07, 1 ISC08, 1 ITC05, 1 ITC08, 1 ITM08, 1 ITC09, 1 ITE05, 1 ITE08, 1 ITIC05, 1 ITIC08, 1 ITM11, 1 ITS08, 3 LAD07, 1 LCQ07, 1 LCQ09, 1 LCQ11

Certificates

Requirement:

(F1001)

Equivalence:

F 99802 ; F 00811

General aim of the course:

On completing the course the student will be able to apply physical and mathematical concepts to linear and angular kinematics and dynamics using vector language; apply concepts from the laws of physics to propose solutions to scenarios involving particles in movement and/or objects in rotation.

Teaching and learning techniques:

Collaborative learning

Bibliography:

TEXT BOOKS:

* Serway, Raymond A., Física para ciencias e ingeniería , 7a ed., México, D.F. : Cengage Learning, 2009, spaeng, 9706868224, 9789706868220

BOOKS FOR CONSULTATION:

* Tipler, Paul A., Física para la ciencia y la tecnología, 5a ed., Barcelona : Reverté, spaeng, 8429144013 (v. 1a), 8429144021 (v. 1b), 842914403X (v. 1c), 8429144048 (v. 2a), 8429144056 (v. 2b), 8429144102 (obra completa), 9788429144017 (v. 1a), 9788429144024 (v. 1b), 9788429144031 (v. 1c), 9788429144048 (v. 2a), 9788429144055 (v. 2b), 9788429144062 (v. 2c), 9788429144109 (obra completa)

* Sears, Francis W., Física universitaria , 11a ed., México : Pearson Educación, c2008, spaeng, 9702605113 (v.1), 9702605121