



# PLANES DE ESTUDIO

## TC1014 Programming Fundamentals

SPANISH

**Course in which it's recommended to incorporate the use of information technologies.**

**CIP:** 110101 Computer and Information Sciences,  
General.

**C-L-U:** 3-0-8

Academic department that offers it:  
Computer Technologies

Graduate Programs who offer them:  
1 INT11, 1 ISC11, 1 ISD11, 1 ITC11, 1 ITE11, 1 ITIC11, 1 ITS11, 1 LAD11, 2 LCMD11, 1 ITM11, 1 LATI11  
Certificates

Requirement:  
(TC1001 )

Equivalence:  
TC1002

Creditables:  
CB00822

General aim of the course:  
After completion of this course, students will be able to apply the logic to generate algorithms whose can obtain solutions to difficult engineering problems.

Teaching and learning techniques:  
Collaborative learning

Bibliography:  
TEXT BOOKS:  
\* Deitel, Paul J., C++ how to program , 7th ed., Pearson International ed., Upper Saddle River, N.J. : Pearson Prentice Hall, , 013246540X, 9780132465403  
\* Punch, W. F. (William F.), The practice of computing using Python , , Boston, Mass. : Addison-Wesley/Pearson, c2011, , 0136110673 (papel alcalino), 9780136110675 (papel alcalino)  
\* Addison, P., Principles of Program Design: Problem-Solving with JavaScript, Course Technology, 2011, 1111526508

Professor´s profile: