

TC1014
Programming Fundamentals[Show Analytics](#)
SPANISH**Course in which it's recommended to incorporate the use of information technologies.****CIP:** 110101 Computer and Information Sciences,
General.**C-L-U:** 3-0-8Academic department that offers it:
Computer TechnologiesGraduate 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
CertificatesRequirement:
(TC1001)Equivalence:
TC1002Creditables:
CB00822General 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 learningBibliography:
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, 1111526508Professor´s profile:
Master Degree in Telecommunication Management; Master Degree in Information Systems Management; Master Degree in Computational Sciences; Master Degree in Computer/Information Sciences; Master Degree in Artificial Intelligence/Robotics; Master Degree in Information Technology.; Doctoral Degree in Telecommunication Management; Doctoral Degree in Information Systems Management; Doctoral Degree in Computational Sciences; Doctoral Degree in Computer/Information Sciences; Doctoral Degree in Artificial Intelligence/Robotics; Doctoral Degree in Information Technology.
CIP: 111002, 521201, 110701, 110101, 110102, 110103Language of Instruction:
Spanish