

Spring 2019 ICOM/CIIC/INSO Advanced Courses

CIIC 5015 / ICOM 5015. Introduction to Artificial Intelligence

Prerequisites: CIIC 4020 o ICOM 4035

LMV 9:30-10:20 AM

Dr. J. Fernando Vega (jfernando.vega@upr.edu)

An Introduction to The field of artificial intelligence: LISP Language, search techniques, games, vision, representation of knowledge, Inference and process of proving theorems, natural language understanding.

CIIC 4060/ICOM 5016. Database Systems

Prerequisites: CIIC 4050 (Operating Systems)

MJ 5:00 - 6:15 PM

Dr. Manuel Rodríguez (manuel.rodriguez7@upr.edu)

Study of database system architectures; design and implementation of database applications; conceptual and representational models; SQL and the relational model; functional dependencies and normalization; transaction processing.

CIIC 4070 / ICOM 5026. Computer Networks

Prerequisites: ICOM 5007 or CIIC 4050 (Operating Systems)

LWV 3:30- 4:20 pm

Dr. Kejie Lu (kejie.lu@upr.edu)

Study and development of skills required for the design of network protocols and network-centric applications, with emphasis on Internet protocols. Topics include: the ISO layered model, TCP/IP, routing, client-server model, World Wide Web, and Web Services. Practice with analysis and programming problems.

CIIC 5995 (Sec 100). Human Perspective Artificial Intelligence

Prerequisites: CIIC 3011 or authorization from Department Chair.

LM 4:30-5:45 PM

Dr. José L. Meléndez (jose.melendez37@upr.edu)

Introduction to computing systems, associated functions, and requirements for artificial intelligence systems characterized by cognitive-based architectures and mechanisms. The course includes the study of core elements of the science of human perception, thought, and behavior in the context of sensors, computing systems and software.

CIIC 5995 (Sec 120). Patents for Scientists and Engineers

Prerequisites: Authorization from Department Chair.

LM 6:00-7:15 PM

Dr. José L. Meléndez (jose.melendez37@upr.edu)

Introduction to the structure of patents together with their scope and utility, intended to provide technical expertise to technologists interested in inventing, using, and/or working with patents in their careers. The underlying technical subject matter of the course emphasizes computer implemented systems and methods within engineering and science disciplines.