

Short Courses Program and Certifications

FEBRUARY - MAY 2010

Polytechnic University of Puerto Rico (PUPR) has been approved as an Authorized Provider of Continuing Education by the "Colegio de Ingenieros y Agrimensores de Puerto Rico". Courses are offered in Spanish. A 15% discount is available for CIAPR members. A 20% discount is available for PUPR alumni.

9 New Courses!



Fast and easy registration by phone or fax
Tels. 787-622-8000, exts. 429, 470 / 787-758-7915

ACTIVITIES	DATE	DAY	HRS	TIME	*COST
Civil Engineering: Construction Management					
The Process of Forced Expropriation: Important Aspects for Engineers and Surveyors	Feb. 19, 20	FS	8	8:00am-12:00m	\$200.00
Construction Cost Estimating	Feb. 20, 27, March. 6, 13, 20, 27	S	28	8:00am-1:00pm	\$520.00
Introduction to High Performance Green Buildings for Engineers	Feb. 27	S	4	8:00am-12:00m	\$180.00
New Seismic Provisions in Building Structural Design	March 12	F	7	8:00am-4:30pm	\$200.00
Critical Path Method (CPM) Construction Scheduling	March 12, 19, 26	F	18	8:00am-3:30pm	\$390.00
Construction Inspector and the Contract: Legal Aspects	April 17, 24	S	14	8:00am-4:30pm	\$300.00
Applied Contract Management for Construction - Fundamentals	April 9, 16, 23	F	24	8:00am-5:00pm	\$575.00
Applied Contract Management for Construction - Advanced Techniques	April 30, May 7, 14	F	16	8:00am-5:00pm	\$450.00
Earthquake Resistance Design of Shear Walls	May 7	F	7	8:00am-4:30pm	\$200.00
Industrial Engineering and Management					
Introduction to Project Management	Feb. 19, 20, 26	FS	21	8:00am-4:00pm	\$480.00
Preparatory Course for Project Management Professional (PMP) Certification	March 20, 27, April 10, 17, 24	S	40	8:00am-5:00pm	\$750.00
Six Sigma Yellow Belt	April 9, 16, 23, 30	F	14	8:00am-5:00pm	\$1,200.00
Process Instrumentation	April 24	S	7	8:00am-4:30pm	\$200.00
Managing Projects with MS Office Project 2007	May 14, 15, 21	FS	21	8:00am-4:00pm	\$550.00
Electrical Engineering					
Design of Electrical Diagrams with AutoCAD-NEC 2008	Feb. 20, 27	S	14	8:00am-4:30pm	\$300.00
Introduction to Photovoltaic Systems	Feb. 25	F	8	8:00am-5:00pm	\$280.00
Introduction to High Performance Green Buildings for Engineers	Feb. 27	S	4	8:00am-12:00m	\$180.00
Design and Construction of Electrical Transmission and Distribution Lines	March 6, 13, 20	S	24	8:00am-5:00pm	\$380.00
Electric Power Substation Engineering	March 12	F	7	8:00am-4:30pm	\$200.00
Electrical Systems Based on the 2008 NEC	March 26	F	7	8:00am-4:30pm	\$200.00
Electricity and Residential Electrical Wiring	April 10, 17, 24	S	21	8:00am-4:30pm	\$380.00
Design and Installation concepts of Photovoltaic Systems	March 5, 12, 19, 26, April 9	F	30	8:00am-3:30pm	\$850.00
Automation/ Process Instrumentation and Control					
PLC Programming	March 12, 19, 26	F	21	8:00am-4:30pm	\$480.00
Process Instrumentation	April 24	S	7	8:00am-4:30pm	\$200.00
Computer Engineering / Programming / Softwares					
Basic AutoCad	Feb. 26, March 15, 22	F	21	8:00am-4:30pm	\$450.00
Advanced AutoCad	April 9, 16	F	14	8:00am-4:30pm	\$450.00
Introduction to Web Programming using PHP and MySQL	Feb 27, March 6, 13, 20	S	30	8:00am-4:30pm	\$360.00
Introduction to Web Design using Dreamweaver CS4	March 6, 13, 20, 27	S	16	12:30pm-4:30pm	\$225.00
Basic Photoshop CS4	April 10, 17, 24	F	24	8:00am-5:00pm	\$250.00
Mechanical Engineering					
Inspection of Elevators and Electric Stairs	Please Call	F	40	8:00am-5:00pm	\$1,150.00
Engineering: Legal Aspects					
Engineering and Law	Feb. 26	F	7	9:00am-5:00pm	\$200.00
Construction Inspector and the Contract: Legal Aspects	April 17, 24	S	14	8:00am-4:30pm	\$300.00
Land Surveying and Geomatic Sciences					
The Process of Forced Expropriation: Important Aspects for Engineers and Surveyors	Feb. 19, 20	FS	7	8:00am-12:00m	\$200.00
Geographic Information Systems (GIS) Professional Certification	February - May	S	84	9:00am-3:30pm	\$1,500.00
Geospatial Data Modelling	Feb. 20, 27, March 6, 13	S	24	9:00am-3:30pm	\$432.00
GIS Spatial Analysis	March 20, 27, April 10	S	18	9:00am-3:30pm	\$324.00
Cartographic Visualization	April 17, 24, May 1	S	18	9:00am-3:30pm	\$324.00
Fundamentals of Remote Sensing	May 8, 15	S	12	9:00am-3:30pm	\$216.00
Geodesy, Mathematical Cartography and GPS	May 22, 29	S	12	9:00am-3:30pm	\$216.00
Land Surveying Exam Review	Beginning on August	S	36	8:00am-12:00m	\$595.00
Life Science Manufacturing					
Basic Validation Concepts and Documentation	March 12, 13	FS	14	8:00am-4:30pm	\$1,325.00
Qualification Studies: Facilities, Utilities & Equipment	March 19, 20	FS	14	8:00am-4:30pm	\$1,325.00
Guidelines to Successful Technology Transfers	March 20	S	7	8:00am-4:30pm	\$200.00
Regulatory Trends	March 27	S	7	8:00am-4:30pm	\$775.00
Supplier Certification	April 10	S	7	8:00am-4:30pm	\$775.00
Failure Mode & Effect Analysis	April 10	S	7	8:00am-4:30pm	\$200.00
Risk Management	April 16, 17	FS	14	8:00am-4:30pm	\$1,325.00
Cleaning Validation	April 24	S	7	8:00am-4:30pm	\$775.00
Statistical and Validation Matrix Approach Topics	May 1	S	7	8:00am-4:30pm	\$775.00
Corrective Action and Preventing Action Regulated Industry (CAPA)	May 8	S	7	8:00am-4:30pm	\$395.00
OSHA: Security and Safety in the Industry					
10 Hours OSHA Certification-General Industry (29CFR 1910)	Feb. 20, 27	S	10	8:00am-1:30pm	\$245.00
30 Hours OSHA Certification-General Industry (29CFR 1910)	March 6, 13, 20, 27	S	30	8:00am-5:00pm	\$625.00
10 Hours OSHA Certification-Construction Industry (29CFR 1926)	April 10, 17	S	10	8:00am-1:30pm	\$245.00
30 Hours OSHA Certification-Construction Industry (29CFR 1926)	May 1, 8, 15, 22	S	30	8:00am-5:00pm	\$625.00
OSHA Recordkeeping (29CFR PART.1904)	March 19	F	5	8:00am-1:30pm	\$160.00
Forklift Operator Certification (29CFR 1910.178)	March 26	F	8	8:00am-5:00pm	\$250.00
Emergency Planning	April 23	F	8	8:00am-5:00pm	\$200.00
Business Administration					
Building a Leadership Brand	March 12	F	6	9:00am-4:00pm	\$175.00
Business Strategic Planning	March 19	F	6	9:00am-4:00pm	\$175.00
Effective Implementation in Organizational Complexity	March 26	F	6	9:00am-4:00pm	\$175.00



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COSTUMIZED COURSES

Consider Polytechnic University of Puerto Rico's CPET customized courses. You get the same technical expertise available in our regular courses but tailored to your company's needs. Please contact us to discuss your training and continuing education needs.



For certification and recertification requirements, body of knowledge and additional information visit our website www.pupr.edu/validation.

Polytechnic University of Puerto Rico will offer the following Certification Program in Validation:

Validation Certification Academy Schedule March 2010

Topics	Instructors	Days	Dates
Basic Validation Concepts and Documentation	Magay Vega, PhD, RPh	F,S	March 12,13
Qualification Studies: Facilities, Utilities & Equipment	Magaly Vega, PhD, RPh	F,S	March 19, 20
Regulatory Trends	Milva Meléndez, BSChE	S	March 27
Supplier Certification	Heriberto Lorenzo, BSIE	S	April 10
Risk Management	Carlos Urrutia, BSME	F,S	April 16, 17
Cleaning Validation	Milva Meléndez, BSChE	S	April 24
Statistical and Validation Matrix Approach Topics	Yilma E. Quiñonez, BSChE, MSEM	S	May 1
Exam	Proctors	S	

Validation Certification Academy Cost Discounts*

General Module (10 days) Regular cost	Cost per Participant	If register before March 4, 2009	3 or more persons from the same company (25%)
\$6,875.00	\$5,445.00	\$4,500.00	\$4,085.00ea

*PUPR Alumni and CIAPR members discounts do not apply.

Polytechnic University of Puerto Rico invite industries and individuals to participate in

SIX SIGMA YELLOW BELT COURSE

Preparatory Course for Certification

April 9, 16, 23, 30
 8:00am-5:00pm
 \$1,200.00

Six Sigma is a powerful methodology for developing a breakthrough improvement strategy in service and manufacturing organizations, based on a set of advanced statistical and management tools. It emphasizes reduction of business processes variation that leads to dramatic increase in customer delight, quality performance, productivity and stockholders value.

Information: Antonio Luis Pantoja
 (787) 622-8000, extensions 470, 429
apantoja@pupr.edu

GIS PROFESSIONAL CERTIFICATION Beginning February 2010, 84 contact hours

The purpose of this certificate program is to guide the student through the proces of discovering the basic principles that involve the cartographic model generations, how to present them on computers and how these can be used inside of a GIS to solve common problems.
The students must approve all 5 courses in order to receive the certificate of attendance to the GIS program.

Preparatory course for Project Management Professional Certification (PMP)

Learn the methology and skills you need to lead and direct project teams and to deliver results within the constraints of schedule, budget and resources. 40 hours (Saturdays)
March 20, 27, April 10, 17, 24
 8:00am to 5:00pm
 \$750.00



PAT Certification is a program designed with the Pharma, Bioscience and Medical Devices industries.

36 hours
 Five multidisciplinary modules and two hands -on lab sessions

For information please call 787-767-0676
website:ibscaribe.com

**NE=Non - Engineering Activities for Professional Development. These activities are classified as non - engineering either because the topic is not of engineering nature or because the instructor is not an engineer. (Courses approved by the CIAPR 25%).

HOW TO CONTACT US

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