



UNIVERSIDAD
POLITÉCNICA
PUERTO RICO

Library

Index of Graduate Theses and Design Projects in the Library of the Polytechnic University of Puerto Rico 2001-2016

By:

Antonio Tardí Galarza
Norma S. Abreu Arbelo
Annie Delima Alomar
Eros E. Oliveras Guzmán

Index of Graduate Theses and Design Projects in the Library of the Polytechnic University of Puerto Rico 2001-2016

By:

Antonio Tardí Galarza
Norma S. Abreu Arbelo
Annie Delima Alomar
Eros E. Oliveras Guzmán

Cumulative Index 2001-2016

Database developer (with Access 2013) and Editor: Prof. Antonio Tardí Galarza, M.I.S.

Indexer: Prof. Norma S. Abreu, M.I.S. & Annie Delima Alomar, M.I.S.

Transcriber: Eros E. Oliveras Guzmán, Student Assistant

Library of the Polytechnic University of Puerto Rico

©April 2017

San Juan, Puerto Rico

Index of Graduate Theses and Design Projects in the Library of the Polytechnic University of Puerto Rico 2001-2016.

Index of Graduate Theses and Design Projects in the Library of the Polytechnic University of Puerto Rico 2001-2016. /
By: Antonio Tardí Galarza, Norma S. Abreu Arbelo, Annie Delima Alomar, Eros E. Oliveras Guzmán.

I. Universidad Politécnica de Puerto Rico--Dissertations--Indexes. 2. Dissertations, Academic--Puerto Rico--Indexes. I.
Tardí Galarza, Antonio. II. Abreu Arbelo, Norma S. III. Delima Alomar, Annie. IV. Oliveras Guzmán, Eros E. V. Universidad
Politécnica de Puerto Rico.

LE15 .P74 T3 2017

Publisher: Library of the Polytechnic University of Puerto Rico
San Juan, Puerto Rico
P.O. Box 192017
San Juan, Puerto Rico 00919-201
Tel. (787)622-8000 Ext. 255, 386 / Fax (787) 763-3028

© 2017 by Tardí Galarza, Antonio, Abreu Arbelo, Norma S., Delima Alomar, Annie, Oliveras Guzmán, Eros E. & Library of
the Polytechnic University of Puerto Rico.

About the Authors and team work

Prof. Antonio Tardí Galarza

Chief Reference Department and Virtual Services at Polytechnic University of Puerto Rico
Library Information Science, M.I.S., University of Puerto Rico, Río Piedras Campus, 2012;
Documents and Archives Administrator, Post Bachelor Certificate, University of Puerto Rico, Río
Piedras Campus, 2010; Engineering Management, MEM, Polytechnic University of Puerto Rico,
2008; Bachelor of Science in Civil Engineering, BSCE, Polytechnic University of Puerto Rico, 2005.
E-mail: atardis@pupr.edu

Prof. Norma Abreu Arbelo

Chief Collection and Technical Services at Polytechnic University of Puerto Rico
Library Information Science, MIS University of Puerto Rico, Río Piedras Campus, 2007;
B.A., University of Puerto Rico, Río Piedras Campus, 2002.
E-mail: nabreu@pupr.edu

Annie Delima Alomar

Auxiliary Librarian I at Polytechnic University of Puerto Rico
Library Information Science, M.I.S., University of Puerto Rico, Río Piedras Campus, 2012; Bachelor
in Secondary Education major in Library Science, Cor Jesu College, Digos City, Philippines, 1997.
E-mail: adelima@pupr.edu

Eros E. Oliveras Guzmán

Student Assistant
BSME Polytechnic University of Puerto Rico in process

Introduction

The **Index of Graduate Theses and Design Project in the Library of the Polytechnic University of Puerto Rico 2001-2016** is a guide to the work presented by graduate students of the Polytechnic University of Puerto Rico (PUPR), San Juan Campus as a requirement for their degree. The purpose is to collect, disseminate and provide access to these works and expand the availability of resources for the study and research of the academic and scientific community.

The index can be accessed by author, year, study program and subject according to the Subjects Heading of the Library of Congress. Microsoft Access 2013 was used to create the database to organize the information.

Theses and design projects from 2001 to 2009 are available in paper/print format in the Collection of Rare Books at the reference area of the Library (the "Sala de Investigaciones" in the 2nd floor). From 2010 onwards, works are available online in full text PDF accessing the "PROQUEST - DISSERTATION & THESIS @ UNIVERSIDAD POLITÉCNICA DE PUERTO RICO" database at the Library databases webpage: <https://static.pupr.edu/resources2/database-list.html>.

For more information, contact the library staff at (787) 622-8000, ext. 444, 233 or write to the following address: referencistas@pupr.edu.

Table of Content

Part I: Index by Author (44 pages)	P.I
Abadía Ortiz - Burgos Román	01/44
Cabrera Santiago - Dueño Ortiz	05/44
Echeandía González - Fuentes Burgos	11/44
García Cartagena - Hernández Irizarry	14/44
I - Jiménez Ramos	17/44
Kiragiannis Collazo – Lugo Rodríguez	18/44
Maldonado Mora – Nieves Viera	25/44
Olaya – Portalatín Rivera	19/44
Quiles Guzmán – Rosado Jiménez	29/44
Sánchez Febres – Torres Santiago	37/44
U – Vidró Martínez	43/44
W – Zürcher	44/44
Part II: Index by Subject (39 pages)	P.II
Ad hoc networks (Computer networks)	01/39
Adaptive antennas	
Air quality management	
Antennas (Electronics)	
Antennas (Electronics) - Mathematics	
Apache (Computer file: Apache Group)	
Architecture and recreation - Puerto Rico	
Artificial intelligence	
Auditing, Internal - Law and legislation	02/39
Automatic speech recognition	
Backpacking - Safety measures	
Beach – Puerto Rico	
Beamforming	
Bicycle lanes – Puerto Rico - Planning	03/39
Botanical gardens	
Bottles	
Bread industry	
Bridges	
Bridges - Design and construction	
Bridges - Specifications	
Brownfields - Puerto Rico	04/39

Building inspection	
Building sites – Planning	
Buildings - Earthquake effects	
Buildings - Joints	
Business logistics - Design	
Capsules (Pharmacy) - Processing	
Cell phone users - Data processing	
Cemeteries - Landscape architecture	05/39
Chemical industry - Production control	
Chemical plants Chemical plants - Quality control	
Chromatographic analysis	
Clay minerals - Analysis	
Coal ash – Analysis	06/39
Compacting	
Computer drawing	
Computer integrated manufacturing systems	
Computer security	
Concrete - Testing	
Concrete arches – Testing	07/39
Concrete beams	
Concrete construction - Inspection	
Concrete piling - Testing	
Controlled release preparations	
Convolutions (Mathematics)	
Corporate culture	08/39
Cosmetics industry - Production control	
Costs - Industrial applications - Puerto Rico	
CUDA (Computer architecture)	
Data encryption (Computer science)	
Data mining	
Data protection	
Database security - Web - based instruction	09/39
Decision making	
Drug delivery devices	
Drug factories - Air conditionings	
Drug packaging industry	
Drug packaging industry - Quality control	10/39
Drug packaging industry - Waste minimization	
Drug stability	
Drugs - Analysis	
Drugs - Analysis - Methodology	
Drugs - Controlled release	
Drugs - Design	
Drugs - Dosage forms	11/39
Drugs - Dose-response relationship	
Earthquake hazard analysis - Puerto Rico - Computer programs	
Earthquake hazard analysis - Puerto Rico - San Juan	
Elastic plates and shells	
Electric insulators and insulation	
Electric lines - Poles and towers	
Electric welding - Costs	
Electromagnetic waves--Data processing	12/39

Electronic data processing - Batch processing	
Electronic industries - Production control	
Electronic mail systems - Security measures	
Employee morale - Puerto Rico - Case studies	
Endoscope industry - Quality control	
Engineering design - Computer Programs	
Engineering laboratories - Puerto Rico – Management	13/39
Environmental monitoring- Industrial applications	
Erythropoietin - Quality control	
File Transfer Protocol (Computer network protocol)	
Finite element method	
Firewalls (Computer security)	
Flood forecasting - Puerto Rico	
Fly ash – Leaching	14/39
Fourier analysis	
Fuzzy logic	
Fuzzy logic - Industrial applications.	
Gamma rays - Dose - response relationship	
Gas - turbines - Combustion chambers	
Gas industry - Costumer services	15/39
Genetic algorithms	
Girders - Testing	
Grinding and polishing	
Health facilities - Discharge planning	
Hospitals - Emergency services - Quality control	
Human-machine systems	
Industrial archaeology - Puerto Rico	
Industrial capacity - Puerto Rico	16/39
Industrial equipment – Cleaning	
Industrial procurement - Puerto Rico	
Insulating concrete forms	
Internet - Security measures - Puerto Rico	
Ion mobility spectroscopy	
Joints (Engineering)	
Landscape Architecture	
Landscape architecture - Environmental aspects - Puerto Rico	17/39
Landscape protection - Puerto Rico	
Lateral loads	
Leadership - Evaluation	
Lean manufacturing - Puerto Rico	
Life sciences suppliers	18/39
Liquid feeders	
Machinery - Safety regulations	
Malware (Computer software)	
Malware (Computer software)	
Manufacturing industries - Auditing	
Manufacturing industries - Standards - Puerto Rico	19/39
Manufacturing processes	
Manufacturing processes - Automation	
Manufacturing processes - Cost control	20/39
Manufacturing processes - Environmental aspects	
Manufacturing processes - Inspection	

Manufacturing processes - Production control	
Manufacturing processes - Production control - Quality	
Manufacturing processes - Quality control	21/39
Manufacturing processes - Time management	
Master in Information Security	
Mathematics - Study and teaching (Secondary)	
Matrix groups	
Medical care - Quality control	
Medical instruments and apparatus - Puerto Rico – Automation	22/39
Medical instruments and apparatus - Puerto Rico - Development	
Medical instruments and apparatus - Quality control	
Medical instruments and apparatus - Standards - Quality control	
Medical instruments and apparatus industry - Production control	
Medical laboratories - Quality control	
Microcrystalline polymers	
Milk hygiene - Puerto Rico	23/39
Modern movement (Architecture)	
Mountain landscape architecture	
Nursing homes – Landscape architecture	
Orthogonal frequency division multiplexing	
Packaging	
Packaging - Quality control	
Packaging processes	
Parallel processing (Electronic computers)	24/39
Pavements – Testing	
Pedestrian areas – Landscape architecture	
Peer - to - peer architecture (Computer network)	
Pharmaceutical industry	
Pharmaceutical industry - Automatic control	25/39
Pharmaceutical industry - Automation	
Pharmaceutical industry - Costs	
Pharmaceutical industry - Environmental aspects	
Pharmaceutical industry - Equipment and supply	
Pharmaceutical industry - Logistics - Puerto Rico	
Pharmaceutical industry – Planning	26/39
Pharmaceutical industry - Production control	
Pharmaceutical industry - Production standards	
Pharmaceutical industry - Productivity	
Pharmaceutical industry - Puerto Rico	
Pharmaceutical industry - Puerto Rico - Economic aspects	27/39
Pharmaceutical industry - Quality control	
Pharmaceutical industry - Quality control - Automation	
Pharmaceutical industry - Safety appliances	
Pharmaceutical industry – Standards	28/39
Pharmaceutical industry - Tableting	
Pharmaceutical industry - Technological innovations - Puerto Rico	
Pharmaceutical industry - Waste minimization	
Pharmaceutical technology	
Pharmaceutical technology - Feasibility studies	29/39
Pharmaceutical technology - Legal aspects	
Pharmaceutical technology - Quality control	
Phonetics, Acoustic	

Piles (Civil engineering) - Testing	
Piling (Civil engineering)	
Plant engineering	
Plant engineering - Computer simulations	30/39
Plant engineering - Design	
Plasma probes - Testing	
Plastic bottles	
Plastics - Extrusion	
Plates (Engineering)	
Playgrounds—Puerto Rico – San Juan	
Polystyrene – Testing	31/39
Process control	
Process control - Automation	
Process control - Quality	
Programming languages (Electronic computers)	
Quality control	
Quarries – Puerto Rico	
Recreation areas - Puerto Rico - Designs and plans	32/39
Reinforcing bars - Standards	
Rheology	
River – Puerto Rico	
Roadside improvement	
Rural renewal - Puerto Rico - Designs and plans	33/39
San Juan Bay Estuary	
Sanitary landfill closures - Puerto Rico	
School buildings - Earthquake effects - Puerto Rico	
Schools - Landscape architecture	
Sewage - Purification - Biological treatment - Puerto Rico	
Sewage sludge as fertilizer - Puerto Rico	
Shear flow	
Shopping centers – Environmental aspects	34/39
Signal processing - Digital techniques	
Six sigma (Quality control standard)	
Slabs - Testing	
Small business - Puerto Rico	
Smartphone—Programming	35/39
Software productivity - Measurement	
Soil degradation - Mathematical models	
Soils - Testing	
SQL (Computer program language)	
Statistics Six sigma (Quality control standard)	
Sterilization - Methods	
Storage tanks	
Stream conservation - Puerto Rico	36/39
Stream improvement (Ecology)	
Structural analysis (Engineering) - Computer programs	
Structural analysis (Engineering) - Computer programs	
Structural analysis (Engineering) - Data processing	
Structural design	
Structural engineering--Computer programs	
Suburban avenue	37/39
Tableting	

Tanks - Cleaning	
Technology transfer	
Textile industry - Productivity	
Thin - walled structures	
Total quality management	
Urban landscape architecture - Puerto Rico	
Vitamin industry - Quality control	38/39
Wall - Stability	
Warehouses - Design	
Waste minimization - Quality control	
Water – Purification	
Water harvesting	
Water reuse	
Water treatment plant residuals - Puerto Rico – Management	39/39
Water treatment plants - Safety measures - Puerto Rico	
Water-supply engineering	
Wavelets (Mathematics)	
Wireless communication systems	

Part III: Index by Academic Program (34 pages)..... P.III

Master in Manufacturing Competitiveness	01/34
Master of Engineering in Civil Engineering	05/34
Master of Engineering in Manufacturing Engineering	05/34
Master of Landscape Architecture	12/34
Master of Science in Civil Engineering	16/34
Master of Science in Computer Engineering	21/34
Master of Science in Computer Science	22/34
Master of Science in Electrical Engineering	23/34
Master of Science in Manufacturing Competitiveness	26/34
Master of Science in Manufacturing Engineering	30/34

Part IV: Index by Year (37 pages)..... P.IV

2016	02/37
2015	03/37
2014	04/37
2013	05/37

2012	07/37
2011	11/37
2010	14/37
2009	16/37
2008	18/37
2007	24/37
2006	27/37
2005	30/37
2004	33/37
2003	34/37
2002	35/37
2001	37/37



UNIVERSIDAD
POLITÉCNICA
PUERTO RICO

Library



INDEX BY AUTHOR



Index of Graduate Theses and Design Projects in the PUPR Library by Author



Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Abadía Ortiz, Raymond J.	2016	Web tracking awareness and online privacy	Thesis	Cruz, Alfredo	Master of Science in Computer Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Abou El Seoud, Mohamed Khaled	2015	Malware detection using Windows file header attributes	Thesis	González, Ángel	Master of Science in Computer Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Acevedo González, Madeline	2011	[Re] construction of the mountain landscape: Camp Guajataka	Thesis	Lorenzo, José	Master of Landscape Architecture	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Acosta Mercado, Ismael S.	2012	Effects of the variation of curing temperature and water-cementitious material ratio in the maturity curve of concrete, applied for the prediction of its early age strength	Thesis	Pacheco, Gustavo E.	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Agosto Cruz, Glenda L.	2008	Creation of an FDA guidance: format and content for the stability annual report	Design Project	Rodríguez, José	Master in Manufacturing Competitiveness	REF RS424 .A36
Airando Torres, Marcel	2011	Endemic ruins: a reference in the landscape	Thesis	Colón, Edmundo	Master of Landscape Architecture	REF GF91 .P8 A37 c.2
Airando Torres, Marcel	2011	Endemic ruins: a reference in the landscape	Thesis	Colón, Edmundo	Master of Landscape Architecture	REF GF91 .P8 A37

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Álamo, José Juan	2012	Study of the effects on formulation, manufacturing and critical environmental variables on drug release of ibuprofen from hydrophilic swellable matrices	Thesis	Torres, Edgar	Master of Science in Manufacturing Competitiveness	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Alfonso Castro, Jorge Francisco	2008	Discharge process improvement applying lean six sigma	Design Project	Pesante, José A.	Master in Manufacturing Competitiveness	REF RA399 .A45 2008
Alvarado Mercado, Limaris	2004	Effectiveness of Formulation Tanks Cleaning Using CIP Units Program Without Detergent for The Removal of Protein Based Product Residual After Their Manufacturing Use 2004	Thesis	Vega, Magaly	Master of Science in Manufacturing Engineering	REF TP690.8 .A59
Álvarez Ibáñez, Andrés	2008	Structural evaluation and seismic rehabilitation of a public school building	Thesis	Alsaadi, Balhan A.	Master of Engineering in Civil Engineering	REF TH1095 .A48 2008 REF TH1095 .A48 2008 PROJECT V.2
Álvarez Martínez, Enid.	2009	Development and implementation of an operational methodology for a plasma research laboratory	Thesis	Morales, José A.	Master of Science in Manufacturing Competitiveness	REF TA416.5 .P8 A48
Aristy López, Rita A.	2012	The resurgence of the Quarries: Landscape parts unifying	Thesis	Rodríguez Toledo, Marisabel	Master of Landscape Architecture	In process
Asencio, Carmen	2017	Green infrastructure: alternate method for the sustainable handling of leachate in landfill systems located in the Northern Karst Region	Thesis	Angeira, Olga	Master of Landscape Architecture	REF TD756.5 A84 2017

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Asmar Awad, Rima	2014	Automated clustering of malware variants based on structured control flow	Thesis	Lizardo, Ángel	Master of Science in Computer Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Ayala Báez, Damaris	2007	Determination of the Optimum Diafiltration Parameters for the Removal of Citrate in Recombinant Human Erythropoietin Purified Bulk	Thesis	Vega, Magaly	Master of Science in Manufacturing Competitiveness	REF RM666 .E834 A92
Balaguer Álvarez, Víctor R.	2006	A Survey of the State of Lean Production System in P.R.'s Manufacturing Industries	Design Project	Zárate, Patricia	Master in Manufacturing Competitiveness	REF TS155 .B35
Ballester, Carola	2010	Stream-city relationship: It's re configuration in light of urban redevelopment	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Bauzá Cruz, Luis M.	2012	Programación del vestibulo de la modernidad en Puerto Rico	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	In process
Benero Rivera, Ricardo J.	2011	Reframing coastal urban fronts	Thesis	Colón, Edmundo	Master of Landscape Architecture	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Berríos Hernández, Néstor	2008	Retrofitting the Yabucoa Wastewater Treatment Plant biological treatment process	Design Project	Pimenta, Alusio	Master of Engineering in Civil Engineering	REF TD755 .B47
Berrios Rodríguez, Giovanna R.	2012	Urban Cemeteries of the Puerto Rican Shore: Heterotopics enclave of urban regeneration	Thesis	Colón Izquierdo, Edmundo	Master of Landscape Architecture	REF RA630 .P92 B47 2012

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Berroa Salvador, Julio César	2008	Optimization of a gas turbine combustor assembly process	Design Project	López, Román A.	Master of Engineering in Manufacturing Engineering	REF TJ778 .B47 2008
Betancourt Quiles, Maritza	2012	Dibasic calcium phosphate dihydrate, USP material compatibility with gamma radiation	Thesis	Pabón, Miriam	Master of Science in Manufacturing Competitiveness	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Bibiloni González, Carlos R.	2012	(Re)engranaje del entorno ribereño en la desembocadura del río	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	In process
Bingen Canales, Mery M.	2011	Gastronomic destinations: sustainable itineraries	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	REF HT443 .P8 B56 c.2
Bingen Canales, Mery M.	2011	Gastronomic destinations: sustainable itineraries	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	REF HT443 .P8 B56
Bonilla Zavala, Sandra L.	2012	Development of a curriculum model for a Master Degree in Information Assurance and designation as a National Center of Academic Excellence in Information Assurance and Education (CAE/IAE)	Thesis	Cruz, Alfredo	Master of Science in Computer Science	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Borges Hink, Raymond Charles	2012	BitPredator: A discovery algorithm for BitTorrent initial seeders and peers	Thesis	Kettani, Houssain	Master of Science in Computer Science	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Bruno Álamo, Luz E	2007	Minimize Cost and Waste of Reference Standard Development an Adequate Inventory Model	Design Project	Morales, José A.	Master in Manufacturing Competitiveness	REF TS161 .B78
Buitrago Soto, Katerine	2008	Release Cycle Time Reduction For Semi-Solids (Finished Products) at the Microbiology Area	Design Project	Zárate, Patricia	Master of Engineering in Manufacturing Engineering	REF TS156.6 .B85
Burgos López, Cynthia Michelle	2010	Places without register: The new stages of cultural events	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Burgos Román, Danilo	2006	Scrap Reduction Design Project 2006	Design Project	Aponte, José	Master of Engineering in Manufacturing Engineering	REF TS155.7 .B8 2006
Cabrera Santiago, César	2008	Performance Comparison of Nonlinear Controllers Using Quanser's Ball-and-Beam Plant	Thesis	Fong, Benjamin	Master of Science in Electrical Engineering	REF TJ217.2 .C33
Caituiro Monge, Fátima	2012	Distributed Task Framework for designing and implementing Decision Tree algorithms for mining large datasets	Thesis	Valenzuela, Eliana	Master of Science in Computer Science	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Calderón Alonso, Agmarie	2017	Adaptive barrier: the containing of an inmerse space	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	REF HT395 .P93 S25 2017

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Canales Villareal, Arleene	2008	Study of Process Analytical Technology (PAT) Implementation in Puerto Rico's Pharmaceutical Industry	Thesis	Morales, José A.	Master of Science in Manufacturing Competitiveness	REF TS183 .C35
Cárdenas Gómez, Yen Edwar	2008	Lean-Sigma principles applied to a medical device industry and their impact on productivity	Design project	Zárate, Patricia	Master of Engineering in Manufacturing Engineering	REF HD9994 .A2 C37
Carrasquillo Hernández, Franchesca M.	2017	Corredores Lúdicos y Ecológicos como recorrido didáctico en el contexto urbano	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	REF GV62 .P9 S5 2017
Carrasquillo López, Rafael A.	2007	Automatic PH Control for a Pharmaceutical Facility's Wastewater Treatment Plant	Design Project	Anzalone, Alessandro	Master of Engineering in Manufacturing Engineering	REF TD747.9 .C37
Carrasquillo Rivera, Nancy	2005	Design of Parametric Release System for Ultrasonic Welding Process 2005	Design Project	González, Carlos	Master in Manufacturing Competitiveness	REF TS228.92 .C27
Carrión Ruiz, José J.	2007	Numerical modeling of axially-symmetric structures using finite difference time domain method of bodies of revolution.	Thesis	Farahat, Nader	Master of Science in Electrical Engineering	REF TK7871.6 .C27
Cartagena Rubio, Hilda R.	2008	Applying DMAIC methodology to liquid proactive delivery at re-order point (ROP)	Design Project	Rodríguez, José	Master of Engineering in Manufacturing Engineering	REF HD9581.2 .09 C37 2008

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Casal Seibezzi, Arianna	2017	Reacción en cadena: ciclovías de larga distancia	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	REF HE336 .C92 C37 2017
Castro Haedo, José A.	2005	Standarized Documentation for the Automatizated Process Didacting System De Lorenzo 2314	Design Project	Anzalone, Alessandro	Master of Engineering in Manufacturing Engineering	REF TS156.8 .C3 2005
Castro Pagán, José	2006	Streamline Finished Goods Testing as a Waste and Cost Reduction Strategy	Design Project	Zárate, Patricia	Master in Manufacturing Competitiveness	REF TS167 .C3 2006
Centeno Martínez, Ángel D.	2010	Novel approach for the cleaning validation acceptance criteria calculation by a mathematical re-arrangement of available formulas	Thesis	Nieves, Rafael	Master of Science in Manufacturing Competitiveness	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Claudio Ayala, Carlos E.	2008	Automating Supply Chain Material Flow in Pharmaceutical Industries using Fuzzy Logic	Thesis	Anzalone, Alessandro	Master of Science in Manufacturing Engineering	REF TS158.4 .C52
Collazo-Ortiz, Karlos E.	2012	Parallel processing of small images using OpenMP	Thesis	Vicente, Luis M.	Master of Science in Electrical Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Colón Díaz, Elvia M.	2014	Feasibility evaluation of Ion Mobility Spectrometry as process analytical technology (PAT) application for 2,4,6-Tribromoanisole (TBA) detection; Transition from wet to dry chemistry	Thesis	Torres, Edgar	Master of Science In Manufacturing Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Colón Donato, Melvin	2010	Leverage from factory acceptance test, site acceptance test, and commissioning into qualifications using a filler of a packaging line as a model in the pharmaceutical industry	Thesis	Nieves, Rafael	Master of Science in Manufacturing Competitiveness	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Colón González, Carlos	2005	Applying Rotary Technology to the Bottle Filling Process for Solid Dosage Form in the Pharmaceuticals Industries	Thesis	Pesante, José A.	Master of Science in Manufacturing Engineering	REF TP660 .C65
Colón Marrero, Liza Minelli	2008	Improvements of technology transfer project plan using six sigma methodology	Design Project	Pesante, José A.	Master in Manufacturing Competitiveness	REF T174.3 .C65
Colón Matos, Daisy M.	2007	Optimizing the Supply Chain for a Solid Pharmaceutical Product in the Laboratory	Design Project	Morales, José A.	Master in Manufacturing Competitiveness	REF TS155.8 .C65
Colón Mulero, María Nené	2017	Núcleos Ecológicos en Escuelas Elementales, Públicas y Urbanas, en proceso de adaptación a la filosofía Montessori	Thesis	Rodríguez, marisabel	Master of Landscape Architecture	REF LB3251 .C65 2017
Colón Villalobos, Luis M.	2006	Refrigeration Leak Reductions	Design Project	Morales, José A.	Master of Engineering in Manufacturing Engineering	REF TP492.7 .C6 2006
Contreras Silverio, Henry.	2008	Sludge handling system at the Culebrinas water treatment plant	Design Project	Pimenta, Aluisio	Master of Engineering in Civil Engineering	REF TD899 .W3 C66 2008

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Corraliza Roque, Sigfredo.	2005	Determination of the Site Soil Dynamic Response Over Sedimentary Layered Deposits in the San Juan Metropolitan Area	Thesis	Deschappelles, Bernardo	Master of Science in Civil Engineering	REF TA705.4 P8 .C6 REF TA705.4 .P8 C6 CD
Cruz Cordero, Yamilda E.	2004	Material Handling Systems Evaluation in Chemical Plant	Design Project	Morales, José A.	Master of Engineering in Manufacturing Engineering	REF TS180.8 C5 C7 2004
Cruz Molina, Carola	2017	Orthogonal subspace projection technique with applications to communications and pattern recognition problems	Thesis	Zaharov, Victor	Master of Science in Electrical Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Cruz Ortiz, Luis A.	2012	Internal quality audits deployment status in the FDA regulated industries within Puerto Rico and the effect for enable corrective/preventive actions and continuous improvements	Thesis	Nieves, Rafael	Master of Science in Manufacturing Competitiveness	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
De Hoyos, Celestino.	2008	Process automation using a programmable logic controller	Design Project	Anzalone, Alessandro	Master of Engineering in Manufacturing Engineering	REF TS183 .H69 2008
De Jesús Rosario, Miguel A.	2011	Applications of the Nonuniform Discrete Fourier Transform in time-frequency analysis, beamforming, and null synthesis	Thesis	Teixeira, Marvi	Master of Science in Electrical Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
De la Cruz Montañez, Yulianna	2011	Multi-sectorial, spatially and temporary adaptable technical guide and simulative design application for rainwater harvesting	Thesis	Pimenta, Aluisio	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Del Valle Rivera, Blanca D.	2008	Implementation of lean six sigma to improve clinical laboratory service	Design Project	González, Carlos	Master in Manufacturing Competitiveness	REF RB36.3 .Q34 BV3
Delgado Díaz, Carolyn G.	2013	A guide for implementing Malcolm Baldrige criteria in math class in Puerto Rico	Thesis	Nieves, Rafael	Master of Science in Manufacturing Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Deliz Centeno, Gary L.	2016	Public opinion on internet privacy: A Puerto Rico survey	Thesis	Duffany, Jeffrey	Master of Science in Computer Science	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Díaz Arroyo, Ricardo Luis	2013	Vitamin products GMP compliance, product quality, components, and contaminants investigation	Thesis	Nieves, Rafael	Master of Science in Manufacturing Competitiveness	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Díaz Bassat, Jazmín	2010	Riverine scars in Puerto Rico: The abandoned values and the changes in the image of rivers in the collective memory of Puerto Ricans as a result of the development of its surroundings	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Díaz Carrasquillo, Enrique	2013	Non linear behavior of piles subjected to lateral loads	Thesis	Deschappelles, Bernardo	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Díaz Carroll	2002	Technology Transfer Package for a Solid Oral Dosage Form	Design Project	Pérez, Madeline	Master of Engineering in Manufacturing Engineering	REF RS200 .D5

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Díaz Fernández, Johanna.	2009	Study on the perception of employees in performance evaluations and its impact on the productivity in the FDA regulated industry in Puerto Rico.	Thesis	Rodríguez, José	Master of Science in Manufacturing Competitiveness	REF HF5549.5 .M6 D53 2009
Díaz Marrero, José A.	2007	Relating Manufacturing Performance to Logistic Capabilities in Puerto Rico's Pharmaceutical Firms	Design Project	Ruiz, Alex J.	Master of Engineering in Manufacturing Engineering	REF T58.8 .D53
Díaz Pagán, Edgar Javier	2010	Unifocal envisioned landscape: Historical cemetery dissociation with its context and trifocal organization as a means to reinterpret the mortuary field in Puerto Rico	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Díaz Vázquez, Elia E.	2011	Secondary landscapes	Thesis	Lorenzo, José	Master of Landscape Architecture	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Duarte Uribe, María Fernanda	2014	Development of a simple methodology for determination of the critical tamping force in a dual or multilayer tablets in GMP manufacturing area	Thesis	Nieves, Rafael	Master of Science in Manufacturing Competitiveness	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Dueño Ortiz, Bruno G.	2014	Detection and analysis of man-in-the-middle attacks in windows 8 and windows 8.1	Thesis	Duffany, Jeffrey	Master of Science in Computer Science	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Echeandía González, Jorge J.	2010	Lateral load distribution in multistory dual system buildings	Thesis	Pacheco, Gustavo E.	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Encarnación García, Luis A.	2008	Optimization of lock-out tag-out program using the six sigma methodology	Design Project	Pesante, José A.	Master of Engineering in Manufacturing Engineering	REF T55 .O6 E53
Esteves Román, Ivelisse	2008	Cycle Time Reduction for an Emergency Room Using Lean Six Sigma	Design Project	Pesante, José A.	Master of Engineering in Manufacturing Engineering	REF TS156.6 .E78
Ettiene Matos, José	2011	In depth research to reveal a peer to peer (P2P) botnet life cycle	Thesis	Rodríguez, Othoniel	Master of Science in Computer Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Fadul Martínez, Sonia	2004	Subjective Perceptions and Biomechanical Analysis of Backpack Loads on 8th and 9th Grade Students in a Private School in Puerto Rico	Design Project	Pabón, Miriam	Master of Engineering in Manufacturing Engineering	REF TS175 .F3
Falconí López, Heraldo Antonio	2011	Finite element solution of the warping torsion using the equivalent beam-column analogy in multi-span beams	Thesis	Deschappelles, Bernardo	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Faría Vega, Sigfredo E.	2011	Recreación oficiosa: respuesta civil de alto rendimiento a las necesidades locales de esparcimiento	Thesis	Torres, José Lorenzo	Master of Landscape Architecture	REF GV191.48 .P8 F37
Fariás Jiménez, Luis H.	2008	Site design process improvement using six sigma	Design Project	Zárate, Patricia	Master of Engineering in Manufacturing Engineering	REF TH375 .F37

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Febo Casiano, Gabriel	2010	[Re]articulating the communitarie anomie at the estuarine shores	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Febres Arroyo, Mabel	2002	Impact of a High Density Grade of Microcrystalline Cellulose in XX Blend	Thesis	Vega, Magaly	Master of Science in Manufacturing Competitiveness	REF TP1183 .M5 F4
Fernández Rodríguez, Gira M.	2004	Modification of and Ester Recovery System to Process an Alcohol from a Mother Liquors Stream	Design Project	Morales, José A.	Master of Engineering in Manufacturing Engineering	REF TP156 .D4 F4
Figueroa, Rafael	2008	Condition monitoring and fault diagnostic characterization of an environmental stress screening system	Design Project	Anzanole, Alessandro	Master of Engineering in Manufacturing Engineering	REF TK78.70.23 .F54
Fletes Monroy, Lourdes M.	2011	Revitalization of the industrial vestiges in the coastal landscape of Puerto Rico case of Sugar and Honey Pier in Aguadilla	Thesis	Lorenzo, José	Master of Landscape Architecture	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Flores Díaz, Maricel	2004	Design of Centralized Particulate Monitoring and Alarm System for an Existent Containment Manufacturing Facility	Thesis	Vega, Magaly	Master of Science in Manufacturing Engineering	REF TS194 .F46
Font Torres, Reynaldo R.	2012	The impact of building codes changes on the seismic requirement of multistory buildings	Thesis	Pacheco, Gustavo E.	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Fowler, Sarah	2009	Fragmented landscapes: reconnecting people and watersheds in northeastern Puerto Rico	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	REF SB470.55 .P8 F69
Fret Vega, Luis Eduardo	2012	(Re)interpretación de los estuarios en zonas urbanas	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	In process
Fuentes Burgos, Brenda L.	2002	Implementation of Assemble and Pack to Automate the Production Batch Record	Design Project	Cruz, Rafael	Master of Engineering in Manufacturing Engineering	REF TS178.2 .F8
García Cartagena, José Luis	2006	Introduction of New Technology to Bond Cores	Design Project	Pabón, Miriam	Master of Engineering in Manufacturing Engineering	REF TS718 .G3 2006
García Rivera, Luis S.	2005	Effects of Flame Treatment on Polyethylene Voltees Used in Induction Seal Process	Thesis	Feliú Báez, Rasamari	Master of Science in Manufacturing Competitiveness	REF TS198 .P7 G2
Garnsey Hernández, Christie S.	2009	Alternative use for biosolids generated by abiotechnology plant in Puerto Rico	Thesis	Morales, José Alberto	Master of Science in Manufacturing Engineering	REF TD774 .G37 2009
Gautheir Santiago, Javier F.	2002	Método General Para El Estudio De La Carga De Pandeo Global Flexo-Torsional A Nivel Elastico En Elementos De Paredes Delgadas Y Seccion Transversal Abierta	Thesis	Deschappelles, Bernardo	Master of engineering in Civil Engineering	REF TA656.2 .G3

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Géigel, Arturo	2009	Combining phones, syllable and phonological features in speech recognition using neural networks	Thesis	Berkling, Kay	Master of Science in Computer Science	REF TK7882 .S65 G45 2009
Giuliani Ortiz, Myreli	2008	Bulk delivery cycle time reduction	Design Project	Ruiz, Alex J.	Master of Engineering in Manufacturing Engineering	REF HD9665.5 .G58
Gómez Angulo, Rodney Andrés	2009	Numerical techniques to analyze periodic structures	Thesis	Farahat, Nader	Master of Science in electrical Engineering	REF QC666 .G66
González Cains, Omayra	2008	Standard Design for the Puerto Rico Electric Power Authority Subtransmission Steel Poles.	Thesis	Coll, Manuel	Master of Science in Civil Engineering	REF TK3242 .G65
González Candelario, Oscar E.	2008	Feasibility of the change from high performance liquid chromatography (HPLC) to ultra performance liquid chromatography (UPLC) for the analytical dissolution method for one pharmaceutical product	Design Project	Nieves, Rafael	Master in Manufacturing Competitiveness	REF RS189.5 .H54 G66
González Cruz, Marangely	2015	Alumina extraction through thermal activation of fly ash by sodium hydroxide	Thesis	Suárez, Alejandro	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
González Hernández, Ismael	2008	Equipment cleaning synchronization in formulation area: focusing on cleaning downtime	Design Project	Pons, Carlos	Master of Engineering in Manufacturing Engineering	REF TS191 .G66

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
González Muñoz, Mariselle	2005	Pharmaceutical Solids: Facility Close Out and Product Transfer 2005	Design Project	Deschappelles, Bernardo	Master of Engineering in Manufacturing Engineering	REF RS199 .G6
González Sánchez, Nelson I.	2012	Dynamic response of controlled structures considering the seismic waves propagation through soil stratus	Thesis	Guzmán, Alberto	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
González Santiago, Nathaniel	2013	Data mining social media networks for terrorist events indicators	Thesis	Cruz, Alfredo	Master of Science in Computer Science	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
González Torres, Carlos Rafael	2008	Materials waste reduction in finished goods of a semi-solid over the counter (OTC) manufacturing company using lean tools	Design Project	Zárate, Patricia	Master in Manufacturing Competitiveness	REF TD897.847 .G66
González Viruet, Enrique M.	2003	Non-Linear Finite Element Analysis of Reinforced Concrete Structures in Plane Stress Conditions 2003	Thesis	Vega, Magaly	Master of Science in Civil Engineering	REF TA647 .G6
Gracia Rosado, Carmen M.	2005	Capacity Planning for a Pharmaceutical Quality Control Laboratory	Design Project	González, Carlos	Master in Manufacturing Competitiveness	REF T175.5 .G72
Guerra Machado, Lisell	2013	Analysis of hydraulic conductivity and shear strength of clay-fly ash mixtures	Thesis	Collazos, Omaira	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Gutiérrez Vélez, José A.	2011	Development of an experimental methodology at the tablet compression stage based on Quality by Design principles	Thesis	Nieves, Rafael	Master of Science in Manufacturing Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Hayes Rodríguez, Francis J.	2003	Manufacturing Equipment Requirements For a Solid Dosage Pharmaceutical Plant 2003	Thesis	Deschappelles, Bernardo	Master of Science in Manufacturing Engineering	REF TS196.4 .H3
Hernández Gómez, Brenda L.	2007	hangeover Time Reduction in a Compressing Machine Applying Lean Manufacturing Techniques	Design Project	Zárate, Patricia	Master in Manufacturing Competitiveness	REF RS210 .H47
Hernández Irizarry, César A.	2008	Supervisory control and data acquisition system for a packaging line in a pharmaceutical company	Design Project	Anzalone, Alessandro	Master of Engineering in Manufacturing Engineering	REF HD9665.5 .H47 2008
Jackson, Iván. C	2009	Contribution to the analysis of barrettes in older alluvial deposits of San Juan	Thesis	Romero, Ricardo	Master of Science in Civil Engineering	REF TA787 .J33 2009
Janer Meléndez, Eduardo J.	2012	Axially loaded piles in nonlinear soil using Finite Element Analysis	Thesis	Deschappelles, Bernardo	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Jiménez Ramos, Víctor	2009	Extending the Linux firewall for high performance networks	Thesis	Duffany, Jeffrey	Master of Science in Computer Science	REF TK5105.59 .J56 2009

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Kiragiannis Collazo, Georgios A.	2008	Towards a Model of Adaptive Prediction in Software Engineering	Thesis	Berkling, Kay	Master of Science in Computer Engineering	REF QA76.76 .P74 K57
Koett Rosas, Rita E.	2005	Impact of the Talc Concentration Over the Properties of the Gum Base Plastograph Results 2005	Design Project	Morales, José A.	Master in Manufacturing Competitiveness	REF TP156 .R45 K6
Lara, Ingrid	2007	Supplies Flow Optimization Applying Design Excellence	Design Project	Zárate, Patricia	Master of Engineering in Manufacturing Engineering	REF T58.8 .L37
Lausell, Emiliano	2007	The Psychophysical and Biomechanical Effects of Replacing the Sagittal Handling of Loads with a Lateral handling of Loads Through the Use of Ergonomic Tools	Thesis	Pabón, Miriam	Master of Science in Manufacturing Engineering	REF TS180.5 .L28
Lebrón Figueroa, Ángel G.	2011	Analysis of different robust methods for linear array beamforming	Thesis	Vicente, Luis	Master of Science in Electrical Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
León Bonilla, Nilda G.	2008	Waste reduction in a blister packaging line applying six sigma methodology	Design Project	Pabón, Miriam	Master of Engineering in Manufacturing Engineering	REF HD9665.5 .L46
Linares Ghigliotty, Wallison	2012	Compression-bending interaction and spring horizontal stiffness in structural arches	Thesis	Deschappelles, Bernardo	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
López Laviena, Luis R.	2003	The Impact of the Port Americas in the Pharmaceutical Industry 2003	Thesis	González, Carlos	Master of Science in Manufacturing Engineering	REF HE414 .P8 P8
López Otero, José Francisco	2001	Automation of Drinking Water Production System for Small Conventional Process Plants in Puerto 2002	Design Project	González, Carlos	Master of Engineering in Manufacturing Engineering	REF TD434 .L6
López Pérez, Maritza	2005	Tablet Press Facility Design Improvement and Start-Up 2004	Design Project	Morales, José A.	Master of Engineering in Manufacturing Engineering	REF TP159 .C57 L6
López Rápalo, Dennis J.	2013	Maximum potential of degradation of river bed based on stratigraphy: Aid for long-term degradation analysis	Thesis	Villalta, Christian	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
López Ríos, Wilberto	2005	Process and instrumentation Design of a Ventilation and Air Conditioner System for Improvements in Pharmaceutical Rooms 2005	Design Project	González, Carlos	Master of Engineering in Manufacturing Engineering	REF TS177.L6
López Rivera, Yamir M.	2006	Development of a Blending Process For a Low Dose New Drug Candidate Using a Bin Blender System And Evaluation of Physicochemical Properties of Product When Adding a Milling/Deagglomeration Step 2006	Thesis	Vega, Magaly	Master of Science in Manufacturing Competitiveness	REF RS199.5 .L6 2006

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
López Santiago, Ernesto	2014	An investigation of expanded polystyrene geofoam mechanical properties	Thesis	Collazos, Omaira	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Lozada Ortiz, José F.	2005	To Design a business Continuity Planning Guidelines for Pharmaceutical Manufacturing organizations Regulated by Food and Drugs Administration 2005	Design Project	Torres, Alex Ruiz	Master of Engineering in Manufacturing Engineering	REF RS189 .L6
Lugo Caro, Laura M.	2010	Botanical sprawl: Reinterpretating borders at the botanical garden	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Lugo Obando, Katherine	2009	Directivity enhancement in low profile antenna/superstrate composites	Thesis	Farahat, Nader	Master of Science in Electrical Engineering	REF TK7871.6 .L84
Lugo Rodríguez, Aníbal	2012	Code refactoring for a material science algorithm	Thesis	Vicente, Luis	Master of Science in Electrical Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Maldonado Mora, Luis Janiel	2010	A web-based courseware for the learning of database security	Thesis	Cruz, Alfredo	Master of Science in Computer Science	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Maldonado Pérez, Gloryvee	2009	Evaluation of near infrared technology utilization and applications in Puerto Rico pharmaceutical industry	Thesis	Morales, José Alberto	Master of Science in Manufacturing Competitiveness	REF HD9670 .P82 M35 2009

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Mangual García, Francisco J.	2007	Ethanol Concentration Measurement Automation	Design Project	Anzalone, Alessandro	Master of Engineering in Manufacturing Engineering	REF TP248.25 .A96 M35
Mangual Rodríguez, Osvaldo	2012	Implementation and benchmarking of parallel cyclic convolution algorithms in clusters and multicore architectures	Thesis	Teixeira, Marvi	Master of Science in Electrical Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Marte Rolón, Julia I.	2005	Increase Production Capacity in Tablet Compressing Machine 2005	Design Project	Pabón, Miriam	Master of Engineering in Manufacturing Engineering	REF TP159 .C57 M3
Martínez Jerez, Silvio R.	2014	Effect of insulating concrete forms in concrete compressive strength	Thesis	Cruzado, Héctor J.	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Martínez Quiles, Idellyse	2005	An Examination of the Single Facility Location Problem; Three Method Comparison 2005	Thesis	Ruiz, Alex J.	Master of Science in Manufacturing Engineering	REF TS186 .M3 (Contiene CD)
Martínez Quiles, Ivellise	2005	An Examination of the Single Row Machine Layout Problem Using Computer Simulation 2005	Thesis	Ruiz, Alex J.	Master of Science in Manufacturing Engineering	REF TS178 .M37 2005
Martínez, Silvia I.	2008	Practice of the OEE Indicator as a Tool to Measure and Improve Manufacturing Performance at Pharmaceutical Industries in PuertoRico.	Thesis	Zárate, Patricia	Master of Science in Manufacturing Engineering	REF TS192. M37

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Matos Bonilla, Heilly R.	2008	Implementation of near infrared spectroscopy for solvent recovery in line analysis using the six sigma methodology	Design Project	Anzalone, Alessandro	Master of Engineering in Manufacturing Engineering	REF TP155.75 .M38 2008
Medina-Plaza, Giovanni	2015	Novel model development of a drug combined tablet using an osmotic controlled delivery system	Thesis	Nieves, Rafael	Master of Science in Manufacturing Competitiveness	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Meléndez Meléndez, Ángel	2015	The laws in Puerto Rico analyzed by the Six Sigma Methodology (DMAIC)	Thesis	Pabón, Miriam	Master of Science in Manufacturing Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Menéndez-Conde Escobar, Beatriz	2006	Detection of Particle Presence inside Glass Containers Using Ultrasonic Measurements 2006	Thesis	Anzalone, Alessandro	Master of Science in Manufacturing Engineering	REF TS198.3 .G5 M4 2006
Mercado Miranda, Juan R.	2007	Implementation of an Enviromental Monitoring System EMS Enhancement Module	Design Project	Anzalone, Alessandro	Master of Engineering in Manufacturing Engineering	REF TS170.5 M47
Merejo, Andrea	2013	Visual inspection and damage assessment guide for concrete buildings	Thesis	Pacheco, Gustavo E.	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Merejo, Andrea	2013	Visual inspection and damage assessment guide for concrete buildings	Thesis	Pacheco, Gustavo E.	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Mojica Riutort, Mariely Y.	2011	Working with brownfields: Reuse of sugar mill landscapes in Puerto Rico	Thesis	Lorenzo, José	Master of Landscape Architecture	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Molina del Río, Sandra	2008	A study of the individual leadership and its relation with individual job performance within the quality department in a pharmaceutical company	Design Project	Pons, Carlos	Master in Manufacturing Competitiveness	REF HD57.7 .M65
Molina, Keila Y.	2013	Development of a harmonized guide for aseptic processing to improve product quality and expedite international regulatory approval	Thesis	Nieves, Rafael	Master of Science in Manufacturing Competitiveness	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Montesinos, Lilian	2007	Split Tablet Reduction in Product Z	Design Project	Zárate, Patricia	Master of Engineering in Manufacturing Engineering	REF RS200 .M65
Morales Cuevas, Lourdes M.	2008	La Plata Nuevo Water Treatment Plant Optimization	Design Project	Pimenta, Aluisio	Master of Engineering in Civil Engineering	REF TD233 .P8 .A52
Morales Fontanez, Gricel.	2003	Automated Calculation of Analytical Methods Used in Pharmaceutical industries for Product Release 2003	Design Project	González, Carlos	Master of Engineering in Manufacturing Engineering	REF TS158.6 .M6
Morales Marco, Guillermo J.	2004	Automation of a Manual Assembly Process for a medical devices manufacturing facility in Puerto Rico 2004	Thesis	Pérez, Noel	Master of Science in Manufacturing Engineering	REF TS178. 4 .M6

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Morales Morales, Joel	2014	Application of data mining to celular phone customer prediction	Thesis	Duffany, Jeffrey	Master of Science in Computer Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Morales Morales, Leandro	2006	Beamforming Algorithm and Processor Development for Smart Antenna in Wireless Communications	Thesis	Zaharov, Viktor	Master of Science in Electrical Engineering	REF TK5103.452 M6 2006
Morales Padilla, Arleen M.	2006	Requirements for a Good Supplier Qualification Program 2006	Thesis	Morales, José A.	Master of Science in Manufacturing Competitiveness	REF TS156.6 .M6 2006
Moreno Ortiz, Juan C.	2012	A methodology for assessing and securing an infrastructure from SQL injection	Thesis	Duffany, Jeffrey	Master of Science in Computer Science	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Nazario Lazo, Ramonita	2017	Assessing the Need for Guidance Documents for Suppliers to the Life Sciences, Regulated Industry: Small Suppliers Perspective	Thesis	Nieves, Rafael	Master of Science in Manufacturing Competitiveness	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Negrón de Jesús, Israel	2006	Material Acceptance Process Lead Time Reduction 2006	Design Project	Pesante, José	Master of Engineering in Manufacturing Engineering	REF TS156.8 .N4
Negrón Vargas, Yackxel G.	2011	Estractos evanescentes del paisaje costero de las salinas	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	In process

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Nieves Rodríguez, José F.	2015	Genetic algorithm for cryptanalysis on the Vigenere cipher	Thesis	Cruz, Alfredo	Master of Science in Computer Science	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Nieves Viera, Melitza	2004	Transfer of Pharmaceutical Product in Encapsulation Equipment 2004	Design Project	Morales, José A.	Master in Manufacturing Competitiveness	REF TS198 .C33 N5 2004
Olaya, Julio César	2008	Clustering Hybrids: Genetic Algorithm Applied to K-Means and Fuzzy C-Means	Thesis	Cruz, Alfredo	Master of Science in Computer Science	REF QA76.623 .053
Olagastgi Ledee, Suanilda	2003	Hazard Analysis and Critical Control Point in Food Manufacturing 2003	Design Project	Vega, Magaly	Master in Manufacturing Competitiveness	REF TP373.5 .04
Ortiz Colón, Anayansi	2011	Lean manufacturing/management deployment status in manufacturing companies within Puerto Rico and the effect in strengthening manufacturing sector in the island	Thesis	Rodríguez, José	Master of Science in Manufacturing Competitiveness	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Ortiz Mercado, Jorge A.	2009	Radio channel estimation in cellular communications with smarth antennas	Thesis	Zaharov, Viktor	Master of Science in Electrical Engineering	REF TK7871.67 .A33 078
Ortiz Pérez, Jegsal Rubén	2006	Full-Scale Test of Hallow-Core Slabs Subject to Flexural Stress and a Study of Instantaneous Deflections 2006	Design Project	Almánzar, Leonel	Master of Engineering in Civil Engineering	REF TA660 .07 2006

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Ortiz Rivera, Griselle Marie	2003	A comparison of Fatigue Levels Between Laptop and Desktop Computer Use 2003	Design Project	Pabón, Miriam	Master in Manufacturing Competitiveness	REF TA167 .O7
Ortiz Rodríguez, Marieli	2006	Compression Stage Optimization for Product X through the Evaluation of Compression Tooling and Compression Parameters 2006	Design Project	Pabón, Miriam	Master of Engineering in Manufacturing Engineering	REF TS198 .P7 O7 2006
Ortiz Tomei, Eriel	2008	Design of a utilities data acquisition and remote monitoring system	Design Project	Anzalone, Alessandro	Master of Engineering in Manufacturing Engineering	REF TS194 .O78 2008
Ortiz, Amalíz De L.	2008	ISO 9001: 2000 internal quality audits: procedural vs process audit strategy/approach gap analysis	Design Project	Rodríguez, José	Master in Manufacturing Competitiveness	REF HD9720.9 .A1 O7
Ortiz, Joaquín A.	2013	Feasibility evaluation of antibody and vaccines using Needle-free injections as an alternative to hypodermic needle	Thesis	Torres, Edgar	Master of Science in Manufacturing Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Overby Jendi, Gisela Evelyn	2011	Urban Imperviousness: the effect of shopping centers on the imbalance between the green and grey infrastructures in the San Juan Metropolitan Zone	Thesis	Rodríguez Toledo, Marisabel	Master of Landscape Architecture	REF NA6218 .O84 2011

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Padilla Santisteban, Brenda Eunice	2006	Evaluation of heating, ventilating and ir conditioning (HVAC) systems compliance with current validation standards	Design Project	Anzalone, Alessandro	Master in Manufacturing Competitiveness	REF TD883.17 .P33 2009
Padín Hernández, Yolanda	2010	Harmonization of purified water monographs and analytical methods of the United States, Europe and Japan pharmacopeias	Thesis	De Cárdenas, Lourdes	Master of Science in Manufacturing Competitiveness	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Padín Muñiz, Wilfredo	2006	Assesment of P.R. Pharmaceutical Companies, Pharmacies & Suppliers Readiness with Respect to Drug and Packaging Anticounterfeiting Initiatives 2006	Thesis	Feliú Báez, Rosamari	Master of Science in Manufacturing Competitiveness	REF TS196 .P3 2006
Palou, José	2012	WiMAX network performance improvement with OFDM-MIMO technology	Thesis	Zaharov, Viktor	Master of Science in Electrical Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Parrilla Quiñones , Rebecca	2006	The Dynamics of Technological Innovation in the Puerto Rico Pharmaceutical Industry Using the Process Analytical Technology (PAT) Initiative as an Example 2006	Thesis	Vega, Magaly	Master of Science in Manufacturing Engineering	REF T173.8 .P3 2006
Pedro L. Rivera Rivera	2013	Wavelet transform for power disturbance classification	Thesis	Vicente, Luis M.	Master of Science in Electrical Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Peña Díaz, Amarilys	2002	Evaluation of Different Resins for the Extrusion of a Medical Device Burette Chambe 2002	Thesis	González, Carlos	Master of Science in Manufacturing Engineering	REF TP1175 .E59 P4

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Peñaloza Arroyo, Ayrin	2004	A Guide for the Implementation of Post Approval Changes in Analytical Procedures for Excipients 2004	Thesis	Vega, Magaly	Master of Science in Manufacturing Engineering	REF TS1568 .P45 2004
Pérez Cruz, Elmy Samuel	2008	Upgrade of a tablet manufacturing automated system	Design Project	Anzalone, Alessandro	Master of Engineering in Manufacturing Engineering	REF RS201 .T2 P47 2008
Pérez Cruz, Oscar A.	2013	Generating Mobile Ad-Hoc Network Simulations through NS-3	Thesis	Duffany, Jeffrey	Master of Science in Computer Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Pérez Ghigliotty, María A.	2002	Supplier Certification Program for Electronics, Inc. 2002	Design Project	López, Román	Master in Manufacturing Competitiveness	REF HD39.5 .P4 2002
Pérez López, Noel	2002	Sterilization of IV Solutions Bags using Electrical Fields 2002	Thesis	Cruz, Rafael	Master of Science in Manufacturing Engineering	REF TP156 .S8 P4
Pérez, Christian	2009	Parenteral cleaning process water recovery system design for boiling operation	Design Project	López, Román	Master of Engineering in Manufacturing Engineering	REF TD429 .P47
Pinto Pérez, Omayra	2002	Optimization of a Polishing Process 2002	Design Project	Vega, Magaly	Master of Engineering in Manufacturing Engineering	REF RS199 .C63 P5

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Pomales Betancourt, Norma	2007	Warehouse Layout Design for a Distribution Center	Design Project	González, Carlos	Master of Engineering in Manufacturing Engineering	REF TS189.6 P65
Ponce Mojica, Eduardo M.	2012	Asynchronous computing using CUDA on a Tesla C2050 GPU	Thesis	Vicente, Luis	Master of Science in Electrical Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Portalatín Rivera, Juan	2010	Flood magnitude estimation for streams in Puerto Rico	Thesis	Mueses, Auristela	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Quiles Guzmán, Mercedita	2017	Development of a Practical Guide for Lean Application in a Direct Services Small Business in Puerto Rico	Thesis	González Miranda, Carlos J.	Master of Science In Manufacturing Competitiveness	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Quiñones Maymí, Carlos J.	2005	Determination of Load Capacity of a Reinforced Concrete Slab Bridge Through Load Testing 2004	Design Project	Coll, Manuel	Master of Engineering in Civil Engineering	REF TG305 .Q56 (C.1 C.2)
Quiñones Pellot, Sulley M.	2008	Time reduction between triage and initial evaluation by general physician using lean six sigma	Design Project	Pesante, José A.	Master of Engineering in Manufacturing Engineering	REF RA975.5 .E5 Q56
Quintana Rivera, William R.	2003	Research and Development Model for a Medical Devices Manufacturing Facility in Puerto Rico 2003	Design Project	González, Carlos	Master of Engineering in Manufacturing Engineering	REF TS33 .P8 Q5

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Ramos Aponte, Eddie C.	2008	Lean six sigma application on a high mix/low volume electronic company	Design Project	Morales, José A.	Master of Engineering in Manufacturing Engineering	REF HD9696 .A2 R36
Ramos Cortés, María del Rosario	2006	Waste Reduction in a Pharmaceutical Industry Packaging Line for Solid Products Applying Six Sigma Tools 2006	Design Project	Morales, José A.	Master in Manufacturing Competitiveness	REF TD897.847 .R35 2006
Ramos Lebrón, Emmanuel	2006	Reliability-Based Design for the Stability of a Soil Nail Wall in the Municipality of Naranjito, Puerto Rico 2006	Design Project	Romero, Ricardo J.	Master of Engineering in Civil Engineering	REF TA683.5 .W34 R3 2006
Ramos Torres, Syndia	2005	Improvement in the Coating Area 2005	Design Project	Pesante, José	Master of Engineering in Manufacturing Engineering	REF TS198.3 .C6 R3
Rashod Tompkins, Vicent	2016	Electron optics simulation to verify the design and behavior of a plasma diagnostics tool via matlab	Thesis	González, Angel	Master of Science in Electrical Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Reyes Aponte Ivette C.	2008	Integrating Customer's Opinion in the Supply Chain of Pharmaceutical and Chemical Industrial in Puerto Rico	Design Project	Rivera, José O.	Master of Engineering in Manufacturing Engineering	REF HD38.5 R49
Reyes Ruiz, Mirta M.	2002	Design of Suspension Transfer System 2002	Design Project	Morales, José A.	Master of Engineering in Manufacturing Engineering	REF TJ935 .R4

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Reyes Santos, Lesbia	2007	Transition of the Forecast Demand to Kanban Process in a Pharmaceutical Industry	Design Project	Morales, José A.	Master in Manufacturing Competitiveness	REF TS157.4 .R49
Ríos Santos, Mayra M.	2008	Study of Cellulose Acetate, Acetyl Content and Membrane Weight on the Release Rate of an Oral Osmotic System	Thesis	Anzalone, Alessandro	Master of Science in Manufacturing Competitiveness	REF RS201 .C64 R56
Ríos Valentín, Elixandra E.	2014	FDA Enforcement: Analysis of Current Trends in Pharmaceutical and Medical Device Industries and Development of Preventive Practices for Continuous Compliance	Thesis	Torres, Edgar	Master of Science in Manufacturing Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Rivera Ayuso, Marcel	2016	Extraction and visualization of sentiment information from twitter data	Thesis	Duffany, Jeffrey	Master of Science in Computer Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Rivera Cuevas, Marian	2005	Sanitization Methods Comparison for Pharmaceutical Purified Water Systems 2005	Design Project	Morales, José A.	Master of Engineering in Manufacturing Engineering	REF TD441 .R5 2005
Rivera De León, Oscar	2012	A continuous improvement model for small businesses in Puerto Rico	Thesis	Morales, José A.	Master of Science in Manufacturing Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Rivera Estela, Waleska	2002	Automation for the Drinking Water Industry 2002	Design Project	Cruz, Rafael	Master of Engineering in Manufacturing Engineering	REF T59.5 .R5

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Rivera Falcón, Patricia	2005	Modification of Microfiltration and Chromatography Systems to Concentrate and Recovered Cells in a Biotechnology Process 2005	Design Project	Morales, José A.	Master of Engineering in Manufacturing Engineering	REF TP156 .C5 R5
Rivera Fazzi, Ángel	2007	Design of an Incentive System that Supports the Lean Manufacturing Initiatives in the Textile Industry in Puerto Rico	Design Project	Ruiz, Alex J.	Master of Engineering in Manufacturing Engineering	REF TS1449 .R58
Rivera Martínez, Joel E.	2011	Interactive visual aid tool for the tridimensional stress state analysis of statically loaded elements	Thesis	Pacheco, Gustavo E.	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Rivera Martínez, Orlando	2006	Ergonomic Evaluation of Double Handle Tools: An Electromyography Study 2006	Design Project	Corporali, Sergio	Master in Manufacturing Competitiveness	REF TS175 .R5 2006
Rivera Martínez, Rafael O.	2009	Incidence of thermotolerant, thermophilic and coliform bacteria in raw milk found in cooling tank at the dairy farm in Puerto Rico	Thesis	Nieves, Rafael	Master of Science in Manufacturing Competitiveness	REF SF257 .R58 2009
Rivera Méndez, Tadiika M.	2010	Natural environment of elementary / middle schools of Puerto Rico: Latent giants waiting for a natural revitalization	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Rivera Molina, David	2015	Handling web page requests using writev() and sendfile() when transferring content of various sizes in Apache HTTP server	Thesis	Solá, Juan M.	Master of Science in Computer Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Rivera Vargas, Juan G.	2005	A Second Order Analysis Using a New Finite Element for Beam-Column Design 2005	Thesis	Deschappelles, Bernardo	Master of Science in Civil Engineering	REF TA660 .B4 R5
Rivera Virella, Javier E.	2003	36 Degrees of Freedom Thick Plate Bending Element Using Non-Nodal Reference Displacement 2003	Thesis	Deschappelles, Bernardo	Master of Science in Civil Engineering	REF TA660 .P6 R5
Rivera, Elsa M.	2007	Electronic Batch Record Implementation Success Rate in Puerto Rico's Pharmaceutical Finished Goods Manufacturing Operations.	Thesis	Anzalone, Alessandro	Master of Science in Manufacturing Engineering	REF TS158 .R59
Rodríguez Burgos, Xavier	2012	A refined steel beam-to-column moment connections study considering the effect of the ductility in the building response	Thesis	Guzmán, Alberto	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Rodríguez Camacho, Giovanni	2008	Optimization of a bread making process applying lean manufacturing	Design Project	Zárate, Patricia	Master in Manufacturing Competitiveness	REF HD9058 .B74 R6
Rodríguez Castellano, Yamil I.	2007	Design, Analysis and Implementation of Parallel Cyclic Convolution Algorithms Based on Pseudocirculant Matrices	Thesis	Texeira, Marvi	Master of Science in Electrical Engineering	REF TK5102.9 .R63
Rodríguez Espinosa, Lisabel	2016	Federal emailarchiving and forensics	Thesis	Duffany, Jeffrey	Master of Science in Computer Science	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Rodríguez González, Omar R.	2007	Study of the effects of Plasma Source Ion Nitriding on ASTM A615 Steel Reinforcement Bars	Thesis	Guzmán, Alberto	Master of Science in Civil Engineering	REF TA683.42 .R63
Rodríguez González, Yesenia	2011	The multispatial landscape in the suburban avenue	Thesis	Colón, Edmundo	Master of Landscape Architecture	REF HE359 .P95 G8 2011
Rodríguez González, Yesenia	2011	The multispatial landscape in the suburban avenue	Thesis	Colón, Edmundo	Master of Landscape Architecture	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Rodríguez Hernaiz, Luis E.	2006	Application of Six Sigma Tools for Improvement of Drug Z Testing Operations 2006	Design Project	Ruiz, Alex	Master in Manufacturing Competitiveness	REF TS156 .R64 2006
Rodríguez López, Luz E.	2005	Improvement of Encapsulation Manufacturing Process Through the Reduction of the Sulfate Impurity 2005	Design Project	Morales, José A.	Master in Manufacturing Competitiveness	REF TS198 .C33 R6
Rodríguez Martín, Javier A.	2010	A refined rectangular plane stress element for steel shear plate analysis	Thesis	Deschappelles, Bernardo	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Rodríguez Meléndez, Ysandra Denise.	2008	Health care mixing parameters control improvement	Design Project	López, Román	Master of Engineering in Manufacturing Engineering	REF HD9970.5 .C672 R63

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Rodríguez Pacheco, José Raúl	2012	Validation of Integral Abutment Bridge design model	Thesis	Coll, Manuel	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Rodríguez Polanco, José Manuel	2012	Broadband beamformer frequency bin parallelization using Matlab	Thesis	Vicente, Luis	Master of Science in Electrical Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Rodríguez Rosas, Verónica	2017	El Jardín terapéutico en los hogares de envejecientes en Puerto Rico	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	REF RA998 .P9 R63 2017
Rodríguez, Juan M.	2008	Implementation of New Real-Time Particle Monitoring System in a Parenterals Aseptic Area	Design Project	Rodríguez, José	Master of Engineering in Manufacturing Engineering	REF TP248.25 .M65 R63
Rodríguez, María Judith	2016	Development of strategy to reduce the new product launch time to market in medical device through quality by design (QBD) principles	Thesis	Nieves, Rafael	Master of Science in Manufacturing Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Rodríguez, Yamayra	2012	Geotechnical characterization of fly ash and bottom ash from AES, Puerto Rico	Thesis	Collazos, Omaira	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Román, Luis A.	2010	Characterization of particle size selectivity in visual inspection of parenteral products using container standards seeded with non-ideal particulate modeled by logistic regression	Thesis	De Cárdenas, Lourdes	Master of Science in Manufacturing Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Roque Meléndez, Sheiley M.	2011	El "Escondite" de los ríos de la montaña como catalítico para formalizar la recreación montañosa	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	In process
Rosa Ávila, Raymond	2011	Development of a pre-processor and post-processor for FORTRAN-based structural engineering programs	Thesis	Deschappelles, Bernardo	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Rosado Candelario, Dianelis	2013	Preprocessing and post processing lead time study in Puerto Rico's industries	Thesis	Morales, José A.	Master of Science in Manufacturing Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Rosado Flores, Rafael Iván	2010	Metropolitan fission: Landfills in disuse and their fusion with the built environment	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Rosado González, Itza	2008	Process improvement in the chemistry area of a reference laboratory using lean six sigma	Design Project	Morales, José A.	Master in Manufacturing Competitiveness	REF RB36.3 .Q34 R67
Rosado Jiménez, Vilma A.	2006	Mechanical Redesign Implementation in a Biotechnology Plant 2006	Design Project	Anzalone, Alessandro	Master of Engineering in Manufacturing Engineering	REF TS181 .R6 2006
Rosado, William	2008	Lean manufacturing application in a pharmaceutical finish product laboratory	Design Project	Morales, José A.	Master in Manufacturing Competitiveness	REF RS189 .R67

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Sánchez Febres, Ricardo J.	2012	El paisaje del intersticio: Recreando el balneario contemporáneo puertorriqueño en el siglo 21	Thesis	Rodríguez Toledo, Marisabel	Master of Landscape Architecture	In process
Sánchez García, Daniel	2010	Procedural Generation of Building Blueprints for Real-Time Applications.	Thesis	Lozano, Elio	Master of Science in Computer Science	REF QA76.76 .C672 S26
Sánchez Luperón, Wilma Y.	2008	Simplifying Documentation Flown in the Production Areas: Electronic Records Perspective	Thesis	Morales, José A.	Master of Science in Manufacturing Competitiveness	REF TS178.2 .S25
Sánchez Miele, Aimee	2004	Photostability Study in New Drug Product 2004	Thesis	Vega, Magaly	Master of Science in Manufacturing Competitiveness	REF RS424 .S25
Sánchez Nieves, Roberto	2011	Arroyo's costal revitalization project	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	REF NA9157 .A77 S26 c.2
Sánchez Nieves, Roberto	2011	Arroyo's costal revitalization project	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	REF NA9157 .A77 S26
Sánchez Paredes, Maureen J.	2008	Assessment on Continuous Improvement Initiatives Adopted within the Manufacturing Industry in Puerto Rico and the Inclusion of Suppliers as a Strategy to Succeed	Thesis	Rivera, José O.	Master of Science in Manufacturing Engineering	REF TS176 .S25

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Sánchez Zayas, Evelyn M.	2005	Automation for the Drinking Water Industry 2002	Design Project	Collazo, Omayra	Master of Science in Civil Engineering	REF TA710.5 .S2 2005
Santana Aponte, Jaime I.	2012	Evaluation and assessment of the current use of CAPA tools in the regulated industry within Puerto Rico	Thesis	Rodríguez, José	Master of Science in Manufacturing Competitiveness	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Santiago López, Nelson	2001	Improving Tensile Strength in Resistance Spot Welding Process Using Response Surface Methodology for Synchronous Controller Parameter Optimization 2002	Thesis	Pesante, José	Master of Science in Manufacturing Competitiveness	REF TK4660 .S2
Santiago Nieves, Carlos R.	2003	Application of Six Sigma Tools During Validation of a Packaging Line 2003	Design Project	Morales, José A.	Master in Manufacturing Competitiveness	REF TS196.4 .S2
Santiago Pagán, Pedro L.	2009	Development of a geotechnical engineering software for deep and shallow foundations analysis and design within Matlab environment	Design Project	Guzmán, Alberto L.	Master of Engineering in Civil Engineering	REF TA641 .S26
Santiago Santiago, Mireddy	2013	Refined beam-column finite element with nine degrees of freedom	Thesis	Deschappelles, Bernardo	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Santiago, Pedro I.	2007	An Optimal Batch Size Model for the Pharmaceutical Industry, with Products Campaigns, Set-up within and between Campaigns, Release Time and Release Cost	Thesis	Ruiz Torres, Alex J.	Master of Science in Manufacturing Engineering	REF TS167.S35

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Seda Toro, Lissette	2007	Printed Circuit Board Assembly Quality Process Improvement	Design Project	Morales, José A.	Master of Engineering in Manufacturing Engineering	REF TS180 .S43
Selva-Rivera, David R.	2015	Pharmaceutical manufacturing: Feasibility study for the detectability of cosmetic defects on plastic syringes during automatic inspection	Thesis	Nieves, Rafael	Master of Science in Manufacturing Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Semidei Camacho, María E.	2006	Development of a Project Management Methology for a Financial Office 2006	Design Project	González, Carlos	Master of Engineering in Manufacturing Engineering	REF T56.8 .S4 2006
Sepúlveda, Josefina	2008	Analysis of the Relationship Between Organizational Culture and Service Inter Groups in the Quality Department of a Biotechnology Company	Thesis	Pons Fontana, Carlos	Master of Science in Manufacturing Competitiveness	REF HD58.7 .S46
Serrano Bernacet, José	2008	Cycle time improvement in QA final batch record release	Design Project	Pesante, José A.	Master in Manufacturing Competitiveness	REF TS156.8 .S47
Serrano-Mercado, Eileen I.	2014	Medical diagnosis: An opportunity for quality improvement in Puerto Rico	Thesis	Nieves, Rafael	Master of Science in Manufacturing Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Silva Figueroa, Pedro O.	2008	Cost Reduction and Process Optimization in the Engineering Calibration Department Applying Demings PDCA Tool	Design Project	Morales, José A.	Master of Engineering in Manufacturing Engineering	REF TS167 .S55
Soler Rosado, Xavier	2017	Understanding Smartphone Authentication: A Qualitative and Quantitative Study about User Perception of Security and Authentication on Smartphones	Thesis	Torres Batista, Nelliud D.	Master of Science in Computer Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Solla González, Jennifer	2017	Paseos peatonales comerciales: paisaje omitido y desatendido en los cascos urbanos de Puerto Rico	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	REF NA9074 .S65 2017
Soto Pérez, Frankie A.	2012	Robust mismatch beamforming algorithm analysis for a circular planar array geometry	Thesis	Vicente, Luis	Master of Science in Electrical Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Soto Rodríguez, César A.	2003	General Procedure for Rectangular Thin Plate Bending Finite Element Method with 25 DOF and 24 DOF 2003	Thesis	Deschappelles, Bernardo	Master of Science in Civil Engineering	REF TA890 .S6 (2 Copies) REF TA890 .S6 CD
Soto Rosa Noé	2007	Plate Bending Analysis using a New Finite Element with 17 DOF. Including 5 Non-Nodal.	Thesis	Deschappelles, Bernardo	Master of Science in Civil Engineering	REF TA418 .S68
Soto, Philippe	2017	The effect of the mini-batch size on deep neural networks training	Thesis	Duffany, Jeffrey	Master of Science in Computer Science	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Sotomayor Cerezo, Beliza	2005	Valuation and Replacement Plan of Tank's Level Transmitters 2005	Design Project	Pabón, Miriam	Master of Engineering in Manufacturing Engineering	REF TP205 .S85 S6
Suárez Alvarado, Luis F.	2005	Comparison of Bridge Design Per AASHTO LFD Using the HS 30 Live Load Model and ASSHTO LRFD Using the HL 93 Live Load Model 2005	Design Project	Almánzar, Leonel	Master of Science in Civil Engineering	REF TG310 .S8
Suárez Figueroa, Daniel	2003	Plane Stress Analysis Using the Finite Element Method Base on a Rectangular Element with 34 Degrees of Freedom, 8 Nodal and 26 Non-Nodal 2003	Thesis	Deschapelle, Bernardo	Master of Science in Civil Engineering	REF TA347 .F5 S8
Suero Inoa, Rafael Andrés	2004	Retrofitting of Reinforced Concrete Structure Using Carbon Fiber Reinforced Polymer, Experimental and Analytical Study	Thesis	Altayeb, Balhan	Master of Science in Civil Engineering	REF TA455 .R58 S8 2004
Torres Bonilla, Alex E.	2008	Lean implementation for the endoscopic [sic] vessel harvesting device (EVH) manufacturing line	Design Project	Zárate, Patricia	Master in Manufacturing Competitiveness	REF HD9995 .E53 T67
Torres Plaza, Edgar	2002	Innovative Improvement to Capsule-Filling Process Through Waste Reduction 2002	Design Project	González, Carlos	Master of Engineering in Manufacturing Engineering	REF TS198 .C33 T6
Torres Santiago, Jesús	2012	Towards increasing the efficiency of numerical simulations of Mott insulators	Thesis	Kettani, Houssain	Master of Science in Electrical Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Vagnetti, Paul J.	2010	Steel beam-to-column moment connection: comparative studies of different types of moment connections	Thesis	Guzmán, Alberto	Master of Science in Civil Engineering	REF TA660 .J64 2010
Valle Laureano, Raúl	2012	Speed optimization of the MVDR and DAS beamforming algorithms using data parallelization in MATLAB	Thesis	Vicente, Luis	Master of Science in Electrical Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Vargas Quiles, Carlos Tomás	2005	Bottle-Closure System Alternatives for Compliant, Child Resistant and Senior Friendly Packaging 2006	Thesis	Feliú, Rosamari	Master of Science in Manufacturing Engineering	REF TS198 .C46 V3 2005
Vázquez Díaz, Mayra E.	2011	Emerging landscapes: Landscapes as seen from the road	Thesis	Rodríguez, Marisabel	Master of Landscape Architecture	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Vega Canella, Luis M.	2010	Periphery phonemes as features for speaker recognition	Thesis	Berkling, Kay	Master of Science in Computer Science	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Veguilla de Jesús, William	2006	Implementation of Visual Control System in a Manual Assembly Line of Medical Devices 2006	Design Project	González, Carlos	Master in Manufacturing Competitiveness	REF TS155 .V4 2006
Vélez Ríos, Damaris	2006	Application of Six Sigma Tools to Improve a Resistance Spot Welding Manufacturing Process	Design Project	Pesante, José A.	Master of Engineering in Manufacturing Engineering	REF TA156.6 .V45

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Vélez Rodríguez, William	2014	Parallel implementation and benchmarking in cluster architectures of one-dimensional discrete fourier transforms: A comparison using the row-column algorithm versus a novel formulation based on the bluestein/pseudocirculant algorithm	Thesis	Teixeira, Marvi	Master of Science in Electrical Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Vélez Rodríguez, William	2014	Parallel implementation and benchmarking in cluster architectures of one-dimensional discrete fourier transforms: A comparison using the row-column algorithm versus a novel formulation based on the bluestein/pseudocirculant algorithm	Thesis	Teixeira, Marvi	Master of Science in Electrical Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Vera Mecicano, Hebben K	2017	Design of the Mechanical Recycling Process for Polyethylene Terephthalate Bottles Using the Lean Manufacturing Methodology in Puerto Rico	Thesis	González Miranda, Carlos J.	Master of Science In Manufacturing Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Viana Rosado, Mildred	2004	Automated Tracking System to Follow up Open Regulatory Action Plans 2004	Design Project	Morales, José A.	Master in Manufacturing Competitiveness	REF TS156.2 .V5
Vicens Otero, Juan A.	2007	State of Site Automation Survey for Oral Dosage Manufacturing Plants in Puerto Rico	Thesis	Anzalone, Alessandro	Master of Science in Manufacturing Engineering	REF TS158.6 .V54
Vidró Martínez, Keyla J.	2004	Water Recycle and Reuse System for Confectionary Industry 2004	Thesis	Morales, José A.	Master of Science in Manufacturing Competitiveness	REF TD429 .V5

Author	Year	Title	Thesis / Project	Chairperson	Program / Department	Callnumber
Zayas Hernández, Rubén	2007	Cycle Time Reduction in a Specific Pharmaceutical Process	Design Project	Zárate, Patricia	Master of Engineering in Manufacturing Engineering	REF T60.52 .Z39
Zürcher, Felix	2010	Analysis of the effect of base soil permeability on pavement deterioration	Thesis	Collazos, Omaira	Master of Science in Civil Engineering	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico



UNIVERSIDAD
POLITÉCNICA
PUERTO RICO

Library



INDEX BY SUBJECT



Index of Graduate Theses and Design Project in the PUPR Library by Subject



Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Ad hoc networks (Computer networks)</i>	Pérez Cruz, Oscar A.	2013	Generating Mobile Ad-Hoc Network Simulations through NS-3	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Adaptive antennas</i>	Ortiz Mercado, Jorge A.	2009	Radio channel estimation in cellular communications with smarth antennas	Thesis	REF TK7871.67 .A33 O78
<i>Air quality management</i>	Padilla Santisteban, Brenda Eunice	2006	Evaluation of heating, ventilating and ir conditioning (HVAC) systems compliance with current validation standards	Design Project	REF TD883.17 .P33 2009
<i>Antennas (Electronics)</i>	Lugo Obando, Katherine	2009	Directivity enhancement in low profile antenna/superstrate composites	Thesis	REF TK7871.6 .L84
<i>Antennas (Electronics) - Mathematics</i>	Carrión Ruiz, José J.	2007	Numerical modeling of axially-symmetric structures using finite difference time domain method of bodies of revolution.	Thesis	REF TK7871.6 .C27
<i>Apache (Computer file: Apache Group)</i>	Rivera Molina, David	2015	Handling web page requests using writev() and sendfile() when transferring content of various sizes in Apache HTTP server	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Architecture and recreation - Puerto Rico</i>	Burgos López, Cynthia Michelle	2010	Places without register: The new stages of cultural events	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Artificial intelligence</i>	Soto, Philippe	2017	The effect of the mini-batch size on deep neural networks training	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Auditing, Internal - Law and legislation</i>	Cruz Ortiz, Luis A.	2012	Internal quality audits deployment status in the FDA regulated industries within Puerto Rico and the effect for enable corrective/preventive actions and continuous improvements	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Automatic speech recognition</i>	Géigel, Arturo	2009	Combining phones, syllable and phonological features in speech recognition using neural networks	Thesis	REF TK7882 .S65 G45 2009
<i>Backpacking - Safety measures</i>	Fadul Martínez, Sonia	2004	Subjective Perceptions and Biomechanical Analysis of Backpack Loads on 8th and 9th Grade Students in a Private School in Puerto Rico	Design Project	REF TS175 .F3
<i>Beach - Puerto Rico</i>	Sánchez Febres, Ricardo J.	2012	El paisaje del intersticio: Recreando el balneario contemporáneo puertorriqueño en el siglo 21	Thesis	In process
<i>Beamforming</i>	Lebrón Figueroa, Ángel G.	2011	Analysis of different robust methods for linear array beamforming	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Rodríguez Polanco, José Manuel	2012	Broadband beamformer frequency bin parallelization using Matlab	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Valle Laureano, Raúl	2012	Speed optimization of the MVDR and DAS beamforming algorithms using data parallelization in MATLAB	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Beamforming</i>	Soto Pérez, Frankie A.	2012	Robust mismatch beamforming algorithm analysis for a circular planar array geometry	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Bicycle lanes--Puerto Rico--Planning</i>	Casal Seibezzi, Arianna	2017	Reacción en cadena: ciclovías de larga distancia	Thesis	REF HE336 .C92 C37 2017
<i>Botanical gardens</i>	Lugo Caro, Laura M.	2010	Botanical sprawl: Reinterpreting borders at the botanical garden	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Bottles</i>	Colón González, Carlos	2005	Applying Rotary Technology to the Bottle Filling Process for Solid Dosage Form in the Pharmaceuticals Industries	Thesis	REF TP660 .C65
<i>Bread industry</i>	Rodríguez Camacho, Giovanni	2008	Optimization of a bread making process applying lean manufacturing	Design Project	REF HD9058 .B74 R6
<i>Bridges</i>	Quiñones Maymí, Carlos J.	2005	Determination of Load Capacity of a Reinforced Concrete Slab Bridge Through Load Testing 2004	Design Project	REF TG305 .Q56 (C.1 C.2)
<i>Bridges - Design and construction</i>	Rodríguez Pacheco, José Raúl	2012	Validation of Integral Abutment Bridge design model	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Bridges - Specifications</i>	Suárez Alvarado, Luis F.	2005	Comparison of Bridge Design Per AASHTO LFD Using the HS 30 Live Load Model and ASSHTO LRFD Using the HL 93 Live Load Model 2005	Design Project	REF TG310 .S8

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Brownfields - Puerto Rico</i>	Mojica Riutort, Mariely Y.	2011	Working with brownfields: Reuse of sugar mill landscapes in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Building inspection</i>	Merejo, Andrea	2013	Visual inspection and damage assessment guide for concrete buildings	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Building sites - Planning</i>	Farías Jiménez, Luis H.	2008	Site design process improvement using six sigma	Design Project	REF TH375 .F37
<i>Buildings - Earthquake effects</i>	González Sánchez, Nelson I.	2012	Dynamic response of controlled structures considering the seismic waves propagation through soil stratus	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Buildings - Joints</i>	Rodríguez Burgos, Xavier	2012	A refined steel beam-to-column moment connections study considering the effect of the ductility in the building response	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Business logistics - Design</i>	Lara, Ingrid	2007	Supplies Flow Optimization Applying Design Excellence	Design Project	REF T58.8 .L37
<i>Capsules (Pharmacy) - Processing</i>	Torres Plaza, Edgar	2002	Innovative Improvement to Capsule-Filling Process Through Waste Reduction 2002	Design Project	REF TS198 .C33 T6
<i>Cell phone users - Data processing</i>	Morales Morales, Joel	2014	Application of data mining to celular phone customer prediction	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Cemeteries - Landscape architecture</i>	Díaz Pagán, Edgar Javier	2010	Unifocal envisioned landscape: Historical cemetery dissociation with its context and trifocal organization as a means to reinterpret the mortuary field in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Cemeteries--Landscape architecture--Puerto Rico</i>	Berrios Rodríguez, Giovanna R.	2012	Urban Cemeteries of the Puerto Rican Shore: Heterotopics enclave of urban regeneration	Thesis	REF RA630 .P92 B47 2012
<i>Chemical industry - Production control</i>	Matos Bonilla, Heilly R.	2008	Implementation of near infrared spectroscopy for solvent recovery in line analysis using the six sigma methodology	Design Project	REF TP155.75 .M38 2008
<i>Chemical plants</i>	Cruz Cordero, Yamilda E.	2004	Material Handling Systems Evaluation in Chemical Plant	Design Project	REF TS180.8 C5 C7 2004
<i>Chemical plants - Quality control</i>	Fernández Rodríguez, Gira M.	2004	Modification of and Ester Recovery System to Process an Alcohol from a Mother Liquors Stream	Design Project	REF TP156 .D4 F4
<i>Chromatographic analysis</i>	Rivera Falcón, Patricia	2005	Modification of Microfiltration and Chromatography Systems to Concentrate and Recovered Cells in a Biotechnology Process 2005	Design Project	REF TP156 .C5 R5
<i>Clay minerals - Analysis</i>	Guerra Machado, Lisell	2013	Analysis of hydraulic conductivity and shear strength of clay-fly ash mixtures	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Coal ash - Analysis</i>	Rodríguez, Yamayra	2012	Geotechnical characterization of fly ash and bottom ash from AES, Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Coastal zone management--Puerto</i>	Calderón Alonso, Agmarie	2017	Adaptive barrier: the containing of an inmerse space	Thesis	REF HT395 .P93 S25 2017
<i>Coastal zone-- Management--Puerto</i>	Negrón Vargas, Yackxel G.	2011	Estractos evanescentes del paisaje costero de las salinas	Thesis	In process
<i>Compacting</i>	Ortiz Rodríguez, Marieli	2006	Compression Stage Optimization for Product X through the Evaluation of Compression Tooling and Compression Parameters 2006	Design Project	REF TS198 .P7 O7 2006
<i>Computer drawing</i>	Sánchez García, Daniel	2010	Procedural Generation of Building Bluprints for Real –Time Applications.	Thesis	REF QA76.76 .C672 S26
<i>Computer integrated manufacturing systems</i>	Fuentes Burgos, Brenda L.	2002	Implementation of Assemble and Pack to Automate the Production Batch Record	Design Project	REF TS178.2 .F8
<i>Computer security</i>	Dueño Ortiz, Bruno G.	2014	Detection and analysis of man-in-the-middle attacks in windows 8 and windows 8.1	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Concrete - Testing</i>	Acosta Mercado, Ismael S.	2012	Effects of the variation of curing temperature and water-cementitious material ratio in the maturity curve of concrete, applied for the prediction of its early age strength	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Concrete arches - Testing</i>	Linares Ghigliotty, Wallison	2012	Compression-bending interaction and spring horizontal stiffness in structural arches	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Concrete beams</i>	Suero Inoa, Rafael Andrés	2004	Retrofitting of Reinforced Concrete Structure Using Carbon Fiber Reinforced Polymer, Experimental and Analytical Study	Thesis	REF TA455 .R58 S8 2004
<i>Concrete construction - Inspection</i>	Merejo, Andrea	2013	Visual inspection and damage assessment guide for concrete buildings	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Concrete piling - Testing</i>	Jackson, Iván. C	2009	Contribution to the analysis of barrettes in older alluvial deposits of San Juan	Thesis	REF TA787 .J33 2009
<i>Constructed wetlands--Puerto Rico--Planning</i>	Asencio, Carmen	2017	Green infrastructure: alternate method for the sustainable handling of leachate in landfill systems located in the Northern Karst Region	Thesis	REF TD756.5 A84 2017
<i>Controlled release preparations</i>	Ríos Santos, Mayra M.	2008	Study of Cellulose Acetate, Acetyl Content and Membrane Weight on the Release Rate of an Oral Osmotic System	Thesis	REF RS201 .C64 R56
<i>Convolutions (Mathematics)</i>	Mangual Rodríguez, Osvaldo	2012	Implementation and benchmarking of parallel cyclic convolution algorithms in clusters and multicore architectures	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Corporate culture</i>	Sepúlveda, Josefina	2008	Analysis of the Relationship Between Organizational Culture and Service Inter Groups in the Quality Department of a Biotechnology Company	Thesis	REF HD58.7 .S46
<i>Cosmetics industry - Production control</i>	Rodríguez Meléndez, Ysandra Denise.	2008	Health care mixing parameters control improvement	Design Project	REF HD9970.5 .C672 R63
<i>Costs - Industrial applications - Puerto Rico</i>	Balaguer Álvarez, Víctor R.	2006	A Survey of the State of Lean Production System in P.R.'s Manufacturing Industries	Design Project	REF TS155 .B35
<i>CUDA (Computer architecture)</i>	Ponce Mojica, Eduardo M.	2012	Asynchronous computing using CUDA on a Tesla C2050 GPU	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Data encryption (Computer science)</i>	Nieves Rodríguez, José F.	2015	Genetic algorithm for cryptanalysis on the Vigenere cipher	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Data mining</i>	González Santiago, Nathaniel	2013	Data mining social media networks for terrorist events indicators	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Caituiro Monge, Fátima	2012	Distributed Task Framework for designing and implementing Decision Tree algorithms for mining large datasets	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Rivera Ayuso, Marcel	2016	Extraction and visualization of sentiment information from twitter data	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Data protection</i>	Abadía Ortiz, Raymond J.	2016	Web tracking awareness and online privacy	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Database security - Web - based instruction</i>	Maldonado Mora, Luis Janiel	2010	A web-based courseware for the learning of database security	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Decision making</i>	Semidei Camacho, María E.	2006	Development of a Project Management Methology for a Financial Office 2006	Design Project	REF T56.8 .S4 2006
<i>Drug delivery devices</i>	Ortiz, Joaquín A.	2013	Feasibility evaluation of antibody and vaccines using Needle-free injections as an alternative to hypodermic needle	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Hernández Gómez, Brenda L.	2007	hangeover Time Reduction in a Compressing Machine Applying Lean Manufacturing Techniques	Design Project	REF RS210 .H47
<i>Drug factories - Air conditionings</i>	López Ríos, Wilberto	2005	Process and instrumentation Design of a Ventilation and Air Conditioner System for Improvements in Pharmaceutical Rooms 2005	Design Project	REF TS177.L6
<i>Drug packaging industry</i>	Colón Donato, Melvin	2010	Leverage from factory acceptance test, site acceptance test, and commissioning into qualifications using a filler of a packaging line as a model in the pharmaceutical industry	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Drug packaging industry - Quality control</i>	Castro Pagán, José	2006	Streamline Finished Goods Testing as a Waste and Cost Reduction Strategy	Design Project	REF TS167 .C3 2006

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Drug packaging industry - Quality control</i>	Hernández Irizarry, César A.	2008	Supervisory control and data acquisition system for a packaging line in a pharmaceutical company	Design Project	REF HD9665.5 .H47 2008
<i>Drug packaging industry - Waste</i>	León Bonilla, Nilda G.	2008	Waste reduction in a blister packaging line applying six sigma methodology	Design Project	REF HD9665.5 .L46
<i>Drug stability</i>	Sánchez Mieles, Aimee	2004	Photostability Study in New Drug Product 2004	Thesis	REF RS424 .S25
<i>Drugs - Analysis</i>	Duarte Uribe, María Fernanda	2014	Development of a simple methodology for determination of the critical tamping force in a dual or multilayer tablets in GMP manufacturing area	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Drugs - Analysis - Methodology</i>	González Candelario, Oscar E.	2008	Feasibility of the change from high performance liquid chromatography (HPLC) to ultra performance liquid chromatography (UPLC) for the analytical dissolution method for one pharmaceutical product	Design Project	REF RS189.5 .H54 G66
<i>Drugs - Controlled release</i>	Álamo, José Juan	2012	Study of the effects on formulation, manufacturing and critical environmental variables on drug release of ibuprofen from hydrophilic swellable matrices	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Drugs - Design</i>	Medina-Plaza, Giovanny	2015	Novel model development of a drug combined tablet using an osmotic controlled delivery system	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Drugs - Dosage forms</i>	Díaz Carroll	2002	Technology Transfer Package for a Solid Oral Dosage Form	Design Project	REF RS200 .D5
<i>Drugs - Dose-response relationship</i>	Montesinos, Lilian	2007	Split Tablet Reduction in Product Z	Design Project	REF RS200 .M65
<i>Earthquake hazard analysis - Puerto Rico -</i>	Font Torres, Reynaldo R.	2012	The impact of building codes changes on the seismic requirement of multistory buildings	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Earthquake hazard analysis - Puerto Rico -</i>	Corraliza Roque, Sigfredo.	2005	Determination of the Site Soil Dynamic Response Over Sedimentary Layered Deposits in the San Juan Metropolitan Area	Thesis	REF TA705.4 P8 .C6 REF TA705.4 .P8 C6 CD
<i>Elastic plates and shells</i>	Soto Rosa Noé	2007	Plate Bending Analysis using a New Finite Element with 17 DOF. Including 5 Non-Nodal.	Thesis	REF TA418 .S68
<i>Electric insulators and insulation</i>	Torres Santiago, Jesús	2012	Towards increasing the efficiency of numerical simulations of Mott insulators	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Electric lines - Poles and towers</i>	González Cains, Omayra	2008	Standard Design for the Puerto Rico Electric Power Authority Subtransmission Steel Poles.	Thesis	REF TK3242 .G65
<i>Electric welding - Costs</i>	Santiago López, Nelson	2001	Improving Tensile Strength in Resistance Spot Welding Process Using Response Surface Methodology for Synchronous Controller Parameter Optimization 2002	Thesis	REF TK4660 .S2

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Electromagnetic waves-- Data processing</i>	Gómez Angulo, Rodney Andrés	2009	Numerical techniques to analyze periodic structures	Thesis	REF QC666 .G66
<i>Electronic data processing - Batch</i>	Sánchez Luperón, Wilma Y.	2008	Simplifying Documentation Flown in the Production Areas: Electronic Records Perspective	Thesis	REF TS178.2 .S25
	Sánchez Nieves, Roberto	2011	Arroyo's costal revitalization project	Thesis	REF NA9157 .A77 S26 c.2
	Sánchez Nieves, Roberto	2011	Arroyo's costal revitalization project	Thesis	REF NA9157 .A77 S26
<i>Electronic industries - Production control</i>	Ramos Aponte, Eddie C.	2008	Lean six sigma application on a high mix/low volume electronic company	Design Project	REF HD9696 .A2 R36
<i>Electronic mail systems - Security measures</i>	Rodríguez Espinosa, Lisabel	2016	Federal emailarchiving and forensics	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Employee morale - Puerto Rico - Case studies</i>	Díaz Fernández, Johanna.	2009	Study on the perception of employees in performance evaluations and its impact on the productivity in the FDA regulated industry in Puerto Rico.	Thesis	REF HF5549.5 .M6 D53 2009
<i>Endoscope industry - Quality control</i>	Torres Bonilla, Alex E.	2008	Lean implementation for the endoscopic [sic] vessel harvesting device (EVH) manufacturing line	Design Project	REF HD9995 .E53 T67
<i>Engineering design - Computer Programs</i>	Rivera Martínez, Joel E.	2011	Interactive visual aid tool for the tridimensional stress state analysis of statically loaded elements	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Subject	Author	Year	Title	Thesis / Project	Callnumber
Engineering laboratories - Puerto	Álvarez Martínez, Enid.	2009	Development and implementation of an operational methodology for a plasma research laboratory	Thesis	REF TA416.5 .P8 A48
Environmental monitoring- Industrial	Mercado Miranda, Juan R.	2007	Implementation of an Enviromental Monitoring System EMS Enhancement Module	Design Project	REF TS170.5 M47
Erythropoietin - Quality control	Ayala Báez, Damaris	2007	Determination of the Optimum Diafiltration Parameters for the Removal of Citrate in Recombinant Human Erythropoietin Purified Bulk	Thesis	REF RM666 .E834 A92
Estuaries--Puerto Rico	Fret Vega, Luis Eduardo	2012	(Re)interpretación de los estuarios en zonas urbanas	Thesis	In process
File Transfer Protocol (Computer network)	Borges Hink, Raymond Charles	2012	BitPredator: A discovery algorithm for BitTorrent initial seeders and peers	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Finite element method	Suárez Figueroa, Daniel	2003	Plane Stress Analysis Using the Finite Element Method Base on a Rectangular Element with 34 Degrees of Freedom, 8 Nadal and 26 Non-Nodal 2003	Thesis	REF TA347 .F5 S8
Firewalls (Computer security)	Jiménez Ramos, Víctor	2009	Extending the Linux firewall for high performance networks	Thesis	REF TK5105.59 .J56 2009
Flood forecasting - Puerto Rico	Portalatín Rivera, Juan	2010	Flood magnitude estimation for streams in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Fly ash - Leaching</i>	González Cruz, Marangely	2015	Alumina extraction through thermal activation of fly ash by sodium hydroxide	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Fourier analysis</i>	Vélez Rodríguez, William	2014	Parallel implementation and benchmarking in cluster architectures of one-dimensional discrete fourier transforms: A comparison using the row-column algorithm versus a novel formulation based on the bluestein/pseudocirculant algorithm	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Vélez Rodríguez, William	2014	Parallel implementation and benchmarking in cluster architectures of one-dimensional discrete fourier transforms: A comparison using the row-column algorithm versus a novel formulation based on the bluestein/pseudocirculant algorithm	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Fuzzy logic</i>	Claudio Ayala, Carlos E.	2008	Automating Supply Chain Material Flow in Pharmaceutical Industries using Fuzzy Logic	Thesis	REF TS158.4 .C52
<i>Fuzzy logic - Industrial applications.</i>	Cabrera Santiago, César	2008	Performance Comparison of Nonlinear Controllers Using Quanser's Ball-and-Beam Plant	Thesis	REF TJ217.2 .C33
<i>Gamma rays - Dose - response relationship</i>	Betancourt Quiles, Maritza	2012	Dibasic calcium phosphate dihydrate, USP material compatibility with gamma radiation	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Gas - turbines - Combustion chambers</i>	Berroa Salvador, Julio César	2008	Optimization of a gas turbine combustor assembly process	Design Project	REF TJ778 .B47 2008

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Gas industry - Costumer services</i>	Cartagena Rubio, Hilda R.	2008	Applying DMAIC methodology to liquid proactive delivery at re-order point (ROP)	Design Project	REF HD9581.2 .09 C37 2008
<i>Genetic algorithms</i>	Olazagasti Ledee, Suanilda	2003	Hazard Analysis and Critical Control Point in Food Manufacturing 2003	Design Project	REF TP373.5 .04
	Olaya, Julio César	2008	Clustering Hybrids: Genetic Algorithm Applied to K-Means and Fuzzy C-Means	Thesis	REF QA76.623 .053
<i>Girders - Testing</i>	Santiago Santiago, Mireddy	2013	Refined beam-column finite element with nine degrees of freedom	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Grinding and polishing</i>	Pinto Pérez, Omayra	2002	Optimization of a Polishing Process 2002	Design Project	REF RS199 .C63 P5
<i>Health facilities - Discharge planning</i>	Alifonso Castro, Jorge Francisco	2008	Discharge process improvement applying lean six sigma	Design Project	REF RA399 .A45 2008
<i>Hospitals - Emergency services - Quality control</i>	Quiñones Pellot, Sulley M.	2008	Time reduction between triage and initial evaluation by general physician using lean six sigma	Design Project	REF RA975.5 .E5 Q56
<i>Human-machine systems</i>	Ortiz Rivera, Griselle Marie	2003	A comparison of Fatigue Levels Between Laptop and Desktop Computer Use 2003	Design Project	REF TA167 .07
<i>Industrial archaeology - Puerto Rico</i>	Fletes Monroy, Lourdes M.	2011	Revitalization of the industrial vestiges in the coastal landscape of Puerto Rico case of Sugar and Honey Pier in Aguadilla	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Industrial capacity - Puerto Rico</i>	Rosado Candelario, Dianelis	2013	Preprocessing and post processing lead time study in Puerto Rico's industries	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Industrial equipment - Cleaning</i>	González Hernández, Ismael	2008	Equipment cleaning synchronization in formulation area: focusing on cleaning downtime	Design Project	REF TS191 .G66
<i>Industrial procurement - Puerto Rico</i>	Pérez Ghigliotty, María A.	2002	Supplier Certification Program for Electronics, Inc. 2002	Design Project	REF HD39.5 .P4 2002
<i>Insulating concrete forms</i>	Martínez Jerez, Silvio R.	2014	Effect of insulating concrete forms in concrete compressive strength	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Internet - Security measures - Puerto Rico</i>	Deliz Centeno, Gary L.	2016	Public opinion on internet privacy: A Puerto Rico survey	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Ion mobility spectroscopy</i>	Colón Díaz, Elvia M.	2014	Feasibility evaluation of Ion Mobility Spectrometry as process analytical technology (PAT) application for 2,4,6-Tribromoanisole (TBA) detection; Transition from wet to dry chemistry	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Joints (Engineering)</i>	Vagnetti, Paul J.	2010	Steel beam-to-column moment connection: comparative studies of different types of moment connections	Thesis	REF TA660 .J64 2010
<i>Landscape Architecture</i>	Díaz Vázquez, Elia E.	2011	Secondary landscapes	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Landscape architecture - Environmental aspects -</i>	Fowler, Sarah	2009	Fragmented landscapes: reconnecting people and watersheds in northeastern Puerto Rico	Thesis	REF SB470.55 .P8 F69
<i>Landscape protection - Puerto Rico</i>	Airando Torres, Marcel	2011	Endemic ruins: a reference in the landscape	Thesis	REF GF91 .P8 A37
	Airando Torres, Marcel	2011	Endemic ruins: a reference in the landscape	Thesis	REF GF91 .P8 A37 c.2
<i>Lateral loads</i>	Echeandía González, Jorge J.	2010	Lateral load distribution in multistory dual system buildings	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Lausell, Emiliano	2007	The Psychophysical and Biomechanical Effects of Replacing the Sagital Handling of Loads with a Lateral handling of Loads Through the Use of Ergonomic Tools	Thesis	REF TS180.5 .L28
<i>Leadership - Evaluation</i>	Molina del Río, Sandra	2008	A study of the individual leadership and its relation with individual job performance within the quality department in a pharmaceutical company	Design Project	REF HD57.7 .M65
<i>Lean manufacturing - Puerto Rico</i>	Ortiz Colón, Anayansi	2011	Lean manufacturing/management deployment status in manufacturing companies within Puerto Rico and the effect in strengthening manufacturing sector in the island	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Lean manufacturing - Puerto Rico</i>	Vera Mecicano, Hebben K	2017	Design of the Mechanical Recycling Process for Polyethylene Terephthalate Bottles Using the Lean Manufacturing Methodology in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Quiles Guzmán, Mercedita	2017	Development of a Practical Guide for Lean Application in a Direct Services Small Business in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Life sciences suppliers</i>	Nazario Lazo, Ramonita	2017	Assessing the Need for Guidance Documents for Suppliers to the Life Sciences, Regulated Industry: Small Suppliers Perspective	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Liquid feeders</i>	Reyes Ruiz, Mirta M.	2002	Design of Suspension Transfer System 2002	Design Project	REF TJ935 .R4
<i>Machinery - Safety regulations</i>	Encarnación García, Luis A.	2008	Optimization of lock-out tag-out program using the six sigma methodology	Design Project	REF T55 .O6 E53
<i>Malware (Computer software)</i>	Abou El Seoud, Mohamed Khaled	2015	Malware detection using Windows file header attributes	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Asmar Awad, Rima	2014	Automated clustering of malware variants based on structured control flow	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Manufacturing industries - Auditing</i>	Ortiz, Amaliz De L.	2008	ISO 9001: 2000 internal quality audits: procedural vs process audit strategy/approach gap analysis	Design Project	REF HD9720.9 .A1 O7

Subject	Author	Year	Title	Thesis / Project	Callnumber
Manufacturing industries - Standards -	Sánchez Paredes, Maureen J.	2008	Assessment on Continuous Improvement Initiatives Adopted within the Manufacturing Industry in Puerto Rico and the Inclusion of Suppliers as a Strategy to Succeed	Thesis	REF TS176 .S25
	Colón Villalobos, Luis M.	2006	Refrigeration Leak Reductions	Design Project	REF TP492.7 .C6 2006
Manufacturing processes	Carrasquillo Rivera, Nancy	2005	Design of Parametric Release System for Ultrasonic Welding Process 2005	Design Project	REF TS228.92 .C27
	Negrón de Jesús, Israel	2006	Material Acceptance Process Lead Time Reduction 2006	Design Project	REF TS156.8 .N4
Manufacturing processes - Automation	Nieves Viera, Melitza	2004	Transfer of Pharmaceutical Product in Encapsulation Equipment 2004	Design Project	REF TS198 .C33 N5 2004
	Rodríguez López, Luz E.	2005	Improvement of Encapsulation Manufacturing Process Through the Reduction of the Sulfate Impurity 2005	Design Project	REF TS198 .C33 R6
Manufacturing processes - Automation	García Cartagena, José Luis	2006	Introduction of New Technology to Bond Cores	Design Project	REF TS718 .G3 2006
	Rivera Estela, Waleska	2002	Automation for the Drinking Water Industry 2002	Design Project	REF TS9.5 .R5

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Manufacturing processes - Automation</i>	Reyes Santos, Lesbia	2007	Transition of the Forecast Demand to Kanban Process in a Pharmaceutical Industry	Design Project	REF TS157.4 .R49
	De Hoyos, Celestino.	2008	Process automation using a programmable logic controller	Design Project	REF TS183 .H69 2008
<i>Manufacturing processes - Cost control</i>	Silva Figueroa, Pedro O.	2008	Cost Reduction and Process Optimization in the Engineering Calibration Department Applying Demings PDCA Tool	Design Project	REF TS167 .S55
<i>Manufacturing processes -</i>	Rodríguez, Juan M.	2008	Implementation of New Real-Time Particle Monitoring System in a Parenterals Aseptic Area	Design Project	REF TP248.25 .M65 R63
	Burgos Román, Danilo	2006	Scrap Reduction Design Project 2006	Design Project	REF TS155.7 .B8 2006
<i>Manufacturing processes - Inspection</i>	Román, Luis A.	2010	Characterization of particle size selectivity in visual inspection of parenteral products using container standards seeded with non-ideal particulate modeled by logistic regression	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Manufacturing processes - Production</i>	Mangual García, Francisco J.	2007	Ethanol Concentration Measurement Automation	Design Project	REF TP248.25 .A96 M35
<i>Manufacturing processes - Production</i>	Seda Toro, Lissette	2007	Printed Circuit Board Assembly Quality Process Improvement	Design Project	REF TS180 .S43

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Manufacturing processes - Quality</i>	Gutiérrez Vélez, José A.	2011	Development of an experimental methodology at the tablet compression stage based on Quality by Design principles	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Ortiz Tomei, Eriel	2008	Design of a utilities data acquisition and remote monitoring system	Design Project	REF TS194 .O78 2008
<i>Manufacturing processes - Time</i>	Zayas Hernández, Rubén	2007	Cycle Time Reduction in a Specific Pharmaceutical Process	Design Project	REF T60.52 .Z39
<i>Master in Information Security</i>	Bonilla Zavala, Sandra L.	2012	Development of a curriculum model for a Master Degree in Information Assurance and designation as a National Center of Academic Excellence in Information Assurance and Education (CAE/IAE)	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Mathematics - Study and teaching (Secondary)</i>	Delgado Díaz, Carolyn G.	2013	A guide for implementing Malcolm Baldrige criteria in math class in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Matrix groups</i>	Rodríguez Castellano, Yamil I.	2007	Design, Analysis and Implementation of Parallel Cyclic Convolution Algorithms Based on Pseudocirculant Matrices	Thesis	REF TK5102.9 .R63
<i>Medical care - Quality control</i>	Serrano-Mercado, Eileen I.	2014	Medical diagnosis: An opportunity for quality improvement in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Medical instruments and apparatus - Puerto Rico -</i>	Morales Marco, Guillermo J.	2004	Automation of a Manual Assembly Process for a medical devices manufacturing facility in Puerto Rico 2004	Thesis	REF TS178. 4 .M6

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Medical instruments and apparatus - Puerto Rico -</i>	Quintana Rivera, William R.	2003	Research and Development Model for a Medical Devices Manufacturing Facility in Puerto Rico 2003	Design Project	REF TS33 .P8 Q5
<i>Medical instruments and apparatus - Quality</i>	Veguilla de Jesús, William	2006	Implementation of Visual Control System in a Manual Assembly Line of Medical Devices 2006	Design Project	REF TS155 .V4 2006
<i>Medical instruments and apparatus - Standards -</i>	Rivera Martínez, Orlando	2006	Ergonomic Evaluation of Double Handle Tools: An Electromyography Study 2006	Design Project	REF TS175 .R5 2006
<i>Medical instruments and apparatus industry -</i>	Cárdenas Gómez, Yen Edwar	2008	Lean-Sigma principles applied to a medical device industry and their impact on productivity	Design project	REF HD9994 .A2 C37
<i>Medical laboratories - Quality control</i>	Del Valle Rivera, Blanca D.	2008	Implementation of lean six sigma to improve clinical laboratory service	Design Project	REF RB36.3 .Q34 BV3
	Rosado González, Itza	2008	Process improvement in the chemistry area of a reference laboratory using lean six sigma	Design Project	REF RB36.3 .Q34 R67
<i>Microcrystalline pollimers</i>	Febres Arroyo, Mabel	2002	Impact of a High Density Grade of Microcrystalline Cellulose in XX Blend	Thesis	REF TP1183 .M5 F4
	Figueroa, Rafael	2008	Condition monitoring and fault diagnostic characterization of an environmental stress screening system	Design Project	REF TK78.70.23 .F54

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Milk hygiene - Puerto Rico</i>	Rivera Martínez, Rafael O.	2009	Incidence of thermoduric, thermophilic and coliform bacteria in raw milk found in cooling tank at the dairy farm in Puerto Rico	Thesis	REF SF257 .R58 2009
<i>Modern movement (Architecture)</i>	Bauzá Cruz, Luis M.	2012	Programación del vestibulo de la modernidad en Puerto Rico	Thesis	In process
<i>Mountain landscape architecture</i>	Acevedo González, Madeline	2011	[Re] construction of the mountain landscape: Camp Guajataka	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Nursing homes-- Landscape architecture--</i>	Rodríguez Rosas, Verónica	2017	El Jardín terapéutico en los hogares de envejecientes en Puerto Rico	Thesis	REF RA998 .P9 R63 2017
<i>Orthogonal frequency division multiplexing</i>	Cruz Molina, Carola	2017	Orthogonal subspace projection technique with applications to communications and pattern recognition problems	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Packaging</i>	Vargas Quiles, Carlos Tomás	2005	Bottle-Closure System Alternatives for Compliant, Child Resistant and Senior Friendly Packaging 2006	Thesis	REF TS198 .C46 V3 2005
<i>Packaging - Quality control</i>	Santiago Nieves, Carlos R.	2003	Application of Six Sigma Tools During Validation of a Packaging Line 2003	Design Project	REF TS196.4 .S2
<i>Packaging processes</i>	Menéndez-Conde Escobar, Beatriz	2006	Detection of Particle Presence inside Glass Containers Using Ultrasonic Measurements 2006	Thesis	REF TS198.3 .G5 M4 2006

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Parallel processing (Electronic computers)</i>	Collazo-Ortiz, Karlos E.	2012	Parallel processing of small images using OpenMP	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Pavements - Testing</i>	Zürcher, Felix	2010	Analysis of the effect of base soil permeability on pavement deterioration	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Pedestrian areas-- Landscape architecture--</i>	Solla González, Jennifer	2017	Paseos peatonales comerciales: paisaje omitido y desatendido en los cascos urbanos de Puerto Rico	Thesis	REF NA9074 .S65 2017
<i>Peer - to - peer architecture (Computer</i>	Ettiene Matos, José	2011	In depth research to reveal a peer to peer (P2P) botnet life cycle	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Pharmaceutical industry</i>	Ramos Torres, Syndia	2005	Improvement in the Coating Area 2005	Design Project	REF TS198.3 .C6 R3
	Centeno Martínez, Ángel D.	2010	Novel approach for the cleaning validation acceptance criteria calculation by a mathematical re-arrangement of available formulas	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	González Muñoz, Mariselle	2005	Pharmaceutical Solids: Facility Close Out and Product Transfer 2005	Design Project	REF RS199 .G6
	López Pérez, Maritza	2005	Tablet Press Facility Design Improvement and Start-Up 2004	Design Project	REF TP159 .C57 L6

Subject	Author	Year	Title	Thesis / Project	Callnumber
Pharmaceutical industry - Automatic control	Rivera, Elsa M.	2007	Electronic Batch Record Implementation Success Rate in Puerto Rico's Pharmaceutical Finished Goods Manufacturing Operations.	Thesis	REF TS158 .R59
Pharmaceutical industry - Automation	Vicens Otero, Juan A.	2007	State of Site Automation Survey for Oral Dosage Manufacturing Plants in Puerto Rico	Thesis	REF TS158.6 .V54
Pharmaceutical industry - Costs	Santiago, Pedro I.	2007	An Optimal Batch Size Model for the Pharmaceutical Industry, with Products Campaigns, Set-up within and between Campaigns, Release Time and Release Cost	Thesis	REF TS167.S35
Pharmaceutical industry - Environmental aspects	Carrasquillo López, Rafael A.	2007	Automatic PH Control for a Pharmaceutical Facility's Wastewater Treatment Plant	Design Project	REF TD747.9 .C37
	Rivera Cuevas, Marian	2005	Sanitization Methods Comparison for Pharmaceutical Purified Water Systems 2005	Design Project	REF TD441 .R5 2005
Pharmaceutical industry - Equipment and supply	Hayes Rodríguez, Francis J.	2003	Manufacturing Equipment Requirements For a Solid Dosage Pharmaceutical Plant 2003	Thesis	REF TS196.4 .H3
Pharmaceutical industry - Logistics - Puerto Rico	Díaz Marrero, José A.	2007	Relating Manufacturing Performance to Logistic Capabilities in Puerto Rico's Pharmaceutical Firms	Design Project	REF T58.8 .D53

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Pharmaceutical industry - Planning</i>	Lozada Ortiz, José F.	2005	To Design a business Continuity Planning Guidelines for Pharmaceutical Manufacturing organizations Regulated by Food and Drugs Administration 2005	Design Project	REF RS189 .L6
<i>Pharmaceutical industry - Production control</i>	Giuliani Ortiz, Myreli	2008	Bulk delivery cycle time reduction	Design Project	REF HD9665.5 .G58
<i>Pharmaceutical industry - Production standards</i>	Molina, Keila Y.	2013	Development of a harmonized guide for aseptic processing to improve product quality and expedite international regulatory approval	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Pharmaceutical industry - Productivity</i>	Reyes Aponte Ivette C.	2008	Integrating Customer's Opinion in the Supply Chain of Pharmaceutical and Chemical Industrial in Puerto Rico	Design Project	REF HD38.5 R49
<i>Pharmaceutical industry - Puerto Rico</i>	Canales Villareal, Arleene	2008	Study of Process Analytical Technology (PAT) Implementation in Puerto Rico's Pharmaceutical Industry	Thesis	REF TS183 .C35
	Padín Muñiz, Wilfredo	2006	Assesment of P.R. Pharmaceutical Companies, Pharmacies & Suppliers Readiness with Respect to Drug and Packaging Anticounterfeiting Initiatives 2006	Thesis	REF TS196 .P3 2006
	Martínez, Silvia I.	2008	Practice of the OEE Indicator as a Tool to Measure and Improve Manufacturing Performance at Pharmaceutical Industries in PuertoRico.	Thesis	REF TS192. M37

Subject	Author	Year	Title	Thesis / Project	Callnumber
Pharmaceutical industry - Puerto Rico - Economic	López Laviena, Luis R.	2003	The Impact of the Port Americas in the Pharmaceutical Industry 2003	Thesis	REF HE414 .P8 P8
Pharmaceutical industry - Quality control	Peñaloza Arroyo, Ayrin	2004	A Guide for the Implementation of Post Approval Changes in Analytical Procedures for Excipients 2004	Thesis	REF TS1568 .P45 2004
	Rosado, William	2008	Lean manufacturing application in a pharmaceutical finish product laboratory	Design Project	REF RS189 .R67
	Agosto Cruz, Glenda L.	2008	Creation of an FDA guidance: format and content for the stability annual report	Design Project	REF RS424 .A36
	Rodríguez Hernaiz, Luis E.	2006	Application of Six Sigma Tools for Improvement of Drug Z Testing Operations 2006	Design Project	REF TS156 .R64 2006
Pharmaceutical industry - Quality control -	Morales Fontanez, Grisel.	2003	Automated Calculation of Analytical Methods Used in Pharmaceutical industries for Product Release 2003	Design Project	REF TS158.6 .M6
Pharmaceutical industry - Safety appliances	Flores Díaz, Maricel	2004	Design of Centralized Particulate Monitoring and Alarm System for an Existent Containment Manufacturing Facility	Thesis	REF TS194 .F46
Pharmaceutical industry - Standards	Bruno Álamo, Luz E	2007	Minimize Cost and Waste of Reference Standard Development an Adequate Inventory Model	Design Project	REF TS161 .B78

Subject	Author	Year	Title	Thesis / Project	Callnumber
Pharmaceutical industry - Standards	Ríos Valentín, Elixandra E.	2014	FDA Enforcement: Analysis of Current Trends in Pharmaceutical and Medical Device Industries and Development of Preventive Practices for Continuous Compliance	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Pharmaceutical industry - Tableting	Pérez Cruz, Elmy Samuel	2008	Upgrade of a tablet manufacturing automated system	Design Project	REF RS201 .T2 P47 2008
Pharmaceutical industry - Technological	Maldonado Pérez, Gloryvee	2009	Evaluation of near infrared technology utilization and applications in Puerto Rico pharmaceutical industry	Thesis	REF HD9670 .P82 M35 2009
	Parrilla Quiñones , Rebecca	2006	The Dynamics of Technological Innovation in the Puerto Rico Pharmaceutical Industry Using the Process Analytical Technology (PAT) Initiative as an Example 2006	Thesis	REF T173.8 .P3 2006
Pharmaceutical industry - Waste minimization	Ramos Cortés, María del Rosario	2006	Waste Reduction in a Pharmaceutical Industry Packaging Line for Solid Products Applying Six Sigma Tools 2006	Design Project	REF TD897.847 .R35 2006
Pharmaceutical technology	López Rivera, Yamir M.	2006	Development of a Blending Process For a Low Dose New Drug Candidate Using a Bin Blender System And Evaluation of Physicochemical Properties of Product When Adding a Milling/Deagglomeration Step 2006	Thesis	REF RS199.5 .L6 2006

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Pharmaceutical technology - Feasibility</i>	Selva-Rivera, David R.	2015	Pharmaceutical manufacturing: Feasibility study for the detectability of cosmetic defects on plastic syringes during automatic inspection	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Pharmaceutical Technology - Legal</i>	Viana Rosado, Mildred	2004	Automated Tracking System to Follow up Open Regulatory Action Plans 2004	Design Project	REF TS156.2 .V5
<i>Pharmaceutical technology - Quality</i>	Colón Matos, Daisy M.	2007	Optimizing the Supply Chain for a Solid Pharmaceutical Product in the Laboratory	Design Project	REF TS155.8 .C65
	Gracia Rosado, Carmen M.	2005	Capacity Planning for a Pharmaceutical Quality Control Laboratory	Design Project	REF T175.5 .G72
<i>Phonetics, Acoustic</i>	Vega Canella, Luis M.	2010	Periphery phonemes as features for speaker recognition	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Piles (Civil engineering) - Testing</i>	Díaz Carrasquillo, Enrique	2013	Non linear behavior of piles subjected to lateral loads	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Piling (Civil engineering)</i>	Janer Meléndez, Eduardo J.	2012	Axially loaded piles in nonlinear soil using Finite Element Analysis	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Plant engineering</i>	Martínez Quiles, Idellyse	2005	An Examination of the Single Facility Location Problem; Three Method Comparison 2005	Thesis	REF TS186 .M3 (Contiene CD)

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Plant engineering - Computer simulations</i>	Martínez Quiles, Ivellise	2005	An Examination of the Single Row Machine Layout Problem Using Computer Simulation 2005	Thesis	REF TS178 .M37 2005
<i>Plant engineering - Design</i>	Rosado Jiménez, Vilma A.	2006	Mechanical Redesign Implementation in a Biotechnology Plant 2006	Design Project	REF TS181 .R6 2006
<i>Plasma probes - Testing</i>	Rashod Tompkins, Vicent	2016	Electron optics simulation to verify the design and behavior of a plasma diagnostics tool via matlab	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Plastic bottles</i>	García Rivera, Luis S.	2005	Effects of Flame Treatment on Polyethylene Voltees Used in Induction Seal Process	Thesis	REF TS198 .P7 G2
<i>Plastics - Extrusion</i>	Peña Díaz, Amarilys	2002	Evaluation of Different Resins for the Extrusion of a Medical Device Burette Chambe 2002	Thesis	REF TP1175 .E59 P4
<i>Plates (Engineering)</i>	Rivera Virella, Javier E.	2003	36 Degrees of Freedom Thick Plate Bending Element Using Non-Nodal Reference Displacement 2003	Thesis	REF TA660 .P6 R5
	Soto Rodríguez, César A.	2003	General Procedure for Rectangular Thin Plate Bending Finite Element Method with 25 DOF and 24 DOF 2003	Thesis	REF TA890 .S6 (2 Copies) REF TA890 .S6 CD
<i>Playgrounds--Puerto Rico--San Juan</i>	Colón Mulero, María Nené	2017	Núcleos Ecolúdicos en Escuelas Elementales, Públicas y Urbanas, en proceso de adaptación a la filosofía Montessori	Thesis	REF LB3251 .C65 2017

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Polystyrene - Testing</i>	López Santiago, Ernesto	2014	An investigation of expanded polystyrene geofam mechanical properties	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Process control</i>	Serrano Bernacet, José	2008	Cycle time improvement in QA final batch record release	Design Project	REF TS156.8 .S47
<i>Process control - Automation</i>	Castro Haedo, José A.	2005	Standarized Documentation for the Automatized Process Didacting System De Lorenzo 2314	Design Project	REF TS156.8 .C3 2005
<i>Process control - Quality</i>	Morales Padilla, Arleen M.	2006	Requirements for a Good Supplier Qualification Program 2006	Thesis	REF TS156.6 .M6 2006
<i>Programming languages (Electronic computers)</i>	Lugo Rodríguez, Aníbal	2012	Code refactoring for a material science algorithm	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Quality control</i>	Rodríguez, María Judith	2016	Development of strategy to reduce the new product launch time to market in medical device through quality by design (QBD) principles	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Quarries - Puerto Rico</i>	Aristy López, Rita A.	2012	The resurgence of the Quarries: Landscape parts unifying	Thesis	In process
<i>Recreation areas - Puerto Rico - Designs and plans</i>	Faría Vega, Sigfredo E.	2011	Recreación oficiosa: respuesta civil de alto rendimiento a las necesidades locales de esparcimiento	Thesis	REF GV191.48 .P8 F37

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Recreation areas--Puerto Rico--San Juan</i>	Carrasquillo Hernández, Franchesca M.	2017	Corredores Lúdicos y Ecológicos como recorrido didáctico en el contexto urbano	Thesis	REF GV62 .P9 S5 2017
<i>Reinforcing bars - Standards</i>	Rodríguez González, Omar R.	2007	Study of the effects of Plasma Source Ion Nitriding on ASTM A615 Steel Reinforcement Bars	Thesis	REF TA683.42 .R63
<i>Rheology</i>	Koett Rosas, Rita E.	2005	Impact of the Talc Concentration Over the Properties of the Gum Base Plastograph Results 2005	Design Project	REF TP156 .R45 K6
<i>River - Puerto Rico</i>	Roque Meléndez, Sheiley M.	2011	El "Escondite" de los ríos de la montaña como catalítico para formalizar la recreación montañosa	Thesis	In process
	Bibiloni González, Carlos R.	2012	(Re)engranaje del entorno ribereño en la desembocadura del río	Thesis	In process
<i>Roadside improvement</i>	Vázquez Díaz, Mayra E.	2011	Emerging landscapes: Landscapes as seen from the road	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Rodríguez González, Yesenia	2011	The multispatial landscape in the suburban avenue	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Rural renewal - Puerto Rico - Designs and plans</i>	Bingen Canales, Mery M.	2011	Gastronomic destinations: sustainable itineraries	Thesis	REF HT443 .P8 B56

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Rural renewal - Puerto Rico - Designs and plans</i>	Bingen Canales, Mery M.	2011	Gastronomic destinations: sustainable itineraries	Thesis	REF HT443 .P8 B56 c.2
<i>San Juan Bay Estuary</i>	Febo Casiano, Gabriel	2010	[Re]articulating the communitarie anomie at the estuarine shores	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Sanitary landfill closures - Puerto Rico</i>	Rosado Flores, Rafael Iván	2010	Metropolitan fission: Landfills in disuse and their fusion with the built environment	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>School buildings - Earthquake effects -</i>	Álvarez Ibáñez, Andrés	2008	Structural evaluation and seismic rehabilitation of a public school building	Thesis	REF TH1095 .A48 2008 REF TH1095 .A48 2008 PROJECT V.2
<i>Schools - Landscape architecture</i>	Rivera Méndez, Tadilka M.	2010	Natural environment of elementary / middle schools of Puerto Rico: Latent giants waiting for a natural revitalization	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Sewage - Purification - Biological treatment -</i>	Berríos Hernández, Néstor	2008	Retrofitting the Yabucoa Wastewater Treatment Plant biological treatment process	Design Project	REF TD755 .B47
<i>Sewage sludge as fertilizer - Puerto Rico</i>	Garnsey Hernández, Christie S.	2009	Alternative use for biosolids generated by abiotechnology plant in Puerto Rico	Thesis	REF TD774 .G37 2009
<i>Shear flow</i>	Rodríguez Martín, Javier A.	2010	A refined rectangular plane stress element for steel shear plate analysis	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Shopping centers-- Environmental aspects--</i>	Overby Jendi, Gisela Evelyn	2011	Urban Imperviousness: the effect of shopping centers on the imbalance between the green and grey infrastructures in the San Juan Metropolitan Zone	Thesis	REF NA6218 .O84 2011
<i>Signal processing - Digital techniques</i>	De Jesús Rosario, Miguel A.	2011	Applications of the Nonuniform Discrete Fourier Transform in time-frequency analysis, beamforming, and null synthesis	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Six sigma (Quality control standard)</i>	Buitrago Soto, Katerine	2008	Release Cycle Time Reduction For Semi-Solids (Finished Products) at the Microbiology Area	Design Project	REF TS156.6 .B85
	Esteves Román, Ivelisse	2008	Cycle Time Reduction for an Emergency Room Using Lean Six Sigma	Design Project	REF TS156.6 .E78
	Vélez Ríos, Damaris	2006	Application of Six Sigma Tools to Improve a Resistance Spot Welding Manufacturing Process	Design Project	REF TA156.6 .V45
<i>Slabs - Testing</i>	Ortiz Pérez, Jegsal Rubén	2006	Full-Scale Test of Hollow-Core Slabs Subject to Flexural Stress and a Study of Instantaneous Deflections 2006	Design Project	REF TA660 .O7 2006
<i>Small business - Puerto Rico</i>	Rivera De León, Oscar	2012	A continuous improvement model for small businesses in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Smartphone -- Programming</i>	Soler Rosado, Xavier	2017	Understanding Smartphone Authentication: A Qualitative and Quantitative Study about User Perception of Security and Authentication on Smartphones	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Software productivity - Measurement</i>	Kiragiannis Collazo, Georgios A.	2008	Towards a Model of Adaptive Prediction in Software Engineering	Thesis	REF QA76.76 .P74 K57
<i>Soil degradation - Mathematical models</i>	López Rápalo, Dennis J.	2013	Maximum potential of degradation of river bed based on stratigraphy: Aid for long-term degradation analysis	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Soils - Testing</i>	Sánchez Zayas, Evelyn M.	2005	Automation for the Drinking Water Industry 2002	Design Project	REF TA710.5 .S2 2005
<i>SQL (Computer program language)</i>	Moreno Ortiz, Juan C.	2012	A methodology for assessing and securing an infrastructure from SQL injection	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Statistics Six sigma (Quality control standard)</i>	Meléndez Meléndez, Ángel	2015	The laws in Puerto Rico analyzed by the Six Sigma Methodology (DMAIC)	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Sterilization - Methods</i>	Pérez López, Noel	2002	Sterilization of IV Solutions Bags using Electrical Fields 2002	Thesis	REF TP156 .S8 P4
<i>Storage tanks</i>	Sotomayor Cerezo, Beliza	2005	Valuation and Replacement Plan of Tank's Level Transmitters 2005	Design Project	REF TP205 .S85 S6

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Stream conservation - Puerto Rico</i>	Díaz Bassat, Jazmín	2010	Riverine scars in Puerto Rico: The abandoned values and the changes in the image of rivers in the collective memory of Puerto Ricans as a result of the development of its surroundings	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Stream improvement (Ecology)</i>	Ballester, Carola	2010	Stream-city relationship: It's re configuration in light of urban redevelopment	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Structural analysis (Engineering) - Computer</i>	Rosa Ávila, Raymond	2011	Development of a pre-processor and post-processor for FORTRAN-based structural engineering programs	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Falconí López, Heraldo Antonio	2011	Finite element solution of the warping torsion using the equivalent beam-column analogy in multi-span beams	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Structural analysis (Engineering) - Data</i>	González Viruet, Enrique M.	2003	Non-Linear Finite Element Analysis of Reinforced Concrete Structures in Plane Stress Conditions 2003	Thesis	REF TA647 .G6
<i>Structural design</i>	Rivera Vargas, Juan G.	2005	A Second Order Analysis Using a New Finite Element for Beam-Column Design 2005	Thesis	REF TA660 .B4 R5
<i>Structural engineering-- Computer programs</i>	Santiago Pagán, Pedro L.	2009	Development of a geotechnical engineering software for deep and shallow foundations analysis and design within Matlab environment	Design Project	REF TA641 .S26

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Suburban avenue</i>	Rodríguez González, Yesenia	2011	The multispatial landscape in the suburban avenue	Thesis	REF HE359 .P95 G8 2011
<i>Tableting</i>	Marte Rolón, Julia I.	2005	Increase Production Capacity in Tablet Compressing Machine 2005	Design Project	REF TP159 .C57 M3
<i>Tanks - Cleaning</i>	Alvarado Mercado, Limaris	2004	Effectiveness of Formulation Tanks Cleaning Using CIP Units Program Without Detergent for The Removal of Protein Based Product Residual After Their Manufacturing Use 2004	Thesis	REF TP690.8 .A59
<i>Technology transfer</i>	Colón Marrero, Liza Minelli	2008	Improvements of technology transfer project plan using six sigma methodology	Design Project	REF T174.3 .C65
<i>Textile industry - Productivity</i>	Rivera Fazzi, Ángel	2007	Design of an Incentive System that Supports the Lean Manufacturing Initiatives in the Textile Industry in Puerto Rico	Design Project	REF TS1449 .R58
<i>Thin - walled structures</i>	Gauthier Santiago, Javier F.	2002	Método General Para El Estudio De La Carga De Pandeo Global Flexo-Torsional A Nivel Elastico En Elementos De Paredes Delgadas Y Seccion Transversal Abierta	Thesis	REF TA656.2 .G3
<i>Total quality management</i>	Santana Aponte, Jaime I.	2012	Evaluation and assessment of the current use of CAPA tools in the regulated industry within Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Urban landscape architecture - Puerto Rico</i>	Benero Rivera, Ricardo J.	2011	Reframing coastal urban fronts	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Vitamin industry - Quality control</i>	Díaz Arroyo, Ricardo Luis	2013	Vitamin products GMP compliance, product quality, components, and contaminants investigation	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Wall - Stability</i>	Ramos Lebrón, Emmanuel	2006	Reliability-Based Design for the Stability of a Soil Nail Wall in the Municipality of Naranjito, Puerto Rico 2006	Design Project	REF TA683.5 .W34 R3 2006
<i>Warehouses - Design</i>	Pomales Betancourt, Norma	2007	Warehouse Layout Design for a Distribution Center	Design Project	REF TS189.6 P65
<i>Waste minimization - Quality control</i>	González Torres, Carlos Rafael	2008	Materials waste reduction in finished goods of a semi-solid over the counter (OTC) manufacturing company using lean tools	Design Project	REF TD897.847 .G66
<i>Water - Purification</i>	Padín Hernández, Yolanda	2010	Harmonization of purified water monographs and analytical methods of the United States, Europe and Japan pharmacopeias	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Water harvesting</i>	De la Cruz Montañez, Yulianna	2011	Multi-sectorial, spatially and temporary adaptable technical guide and simulative design application for rainwater harvesting	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Water reuse</i>	Vidró Martínez, Keyla J.	2004	Water Recycle and Reuse System for Confectionary Industry 2004	Thesis	REF TD429 .V5
	Pérez, Christian	2009	Parenteral cleaning process water recovery system design for boiling operation	Design Project	REF TD429 .P47

Subject	Author	Year	Title	Thesis / Project	Callnumber
<i>Water treatment plant residuals - Puerto Rico -</i>	Contreras Silverio, Henry.	2008	Sludge handling system at the Culebrinas water treatment plant	Design Project	REF TD899 .W3 C66 2008
<i>Water treatment plants - Safety measures - Puerto</i>	López Otero, José Francisco	2001	Automation of Drinking Water Production System for Small Conventional Process Plants in Puerto 2002	Design Project	REF TD434 .L6
<i>Water-supply engineering</i>	Morales Cuevas, Lourdes M.	2008	La Plata Nuevo Water Treatment Plant Optimization	Design Project	REF TD233 .P8 .A52
<i>Wavelets (Mathematics)</i>	Pedro L. Rivera Rivera	2013	Wavelet transform for power disturbance classification	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
<i>Wireless communication systems</i>	Palou, José	2012	WiMAX network performance improvement with OFDM-MIMO technology	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Morales Morales, Leandro	2006	Beamforming Algorithm and Processor Development for Smart Antenna in Wireless Communications	Thesis	REF TK5103.452 M6 2006



UNIVERSIDAD
POLITÉCNICA
PUERTO RICO

Library



INDEX BY ACADEMIC PROGRAM



Index of Graduate Theses and Design Projects in the PUPR Library by Program



Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master in Manufacturing Competitiveness	Agosto Cruz, Glenda L.	2008	Creation of an FDA guidance: format and content for the stability annual report	Design Project	REF RS424 .A36
	Alifonso Castro, Jorge Francisco	2008	Discharge process improvement applying lean six sigma	Design Project	REF RA399 .A45 2008
	Balaguer Álvarez, Víctor R.	2006	A Survey of the State of Lean Production System in P.R.'s Manufacturing Industries	Design Project	REF TS155 .B35
	Bruno Álamo, Luz E	2007	Minimize Cost and Waste of Reference Standard Development an Adequate Inventory Model	Design Project	REF TS161 .B78
	Carrasquillo Rivera, Nancy	2005	Design of Parametric Release System for Ultrasonic Welding Process 2005	Design Project	REF TS228.92 .C27
	Castro Pagán, José	2006	Streamline Finished Goods Testing as a Waste and Cost Reduction Strategy	Design Project	REF TS167 .C3 2006
	Colón Marrero, Liza Minelli	2008	Improvements of technology transfer project plan using six sigma methodology	Design Project	REF T174.3 .C65
	Colón Matos, Daisy M.	2007	Optimizing the Supply Chain for a Solid Pharmaceutical Product in the Laboratory	Design Project	REF TS155.8 .C65
	Del Valle Rivera, Blanca D.	2008	Implementation of lean six sigma to improve clinical laboratory service	Design Project	REF RB36.3 .Q34 BV3

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master in Manufacturing Competitiveness	González Candelario, Oscar E.	2008	Feasability of the change from high performance liquid chromatography (HPLC) to ultra performance liquid chromatography (UPLC) for the analytical dissolution method for one pharmaceutical product	Design Project	REF RS189.5 .H54 G66
	González Torres, Carlos Rafael	2008	Materials waste reduction in finished goods of a semi-solid over the counter (OTC) manufacturing company using lean tools	Design Project	REF TD897.847 .G66
	Gracia Rosado, Carmen M.	2005	Capacity Planning for a Pharmaceutical Quality Control Laboratory	Design Project	REF T175.5 .G72
	Hernández Gómez, Brenda L.	2007	hangeover Time Reduction in a Compressing Machine Applying Lean Manufacturing Techniques	Design Project	REF RS210 .H47
	Koett Rosas, Rita E.	2005	Impact of the Talc Concentration Over the Properties of the Gum Base Plastograph Results 2005	Design Project	REF TP156 .R45 K6
	Molina del Río, Sandra	2008	A study of the individual leadership and its relation with individual job performance within the quality department in a pharmaceutical company	Design Project	REF HD57.7 .M65
	Nieves Viera, Melitza	2004	Transfer of Pharmaceutical Product in Encapsulation Equipment 2004	Design Project	REF TS198 .C33 N5 2004
	Olazagasti Ledee, Suanilda	2003	Hazard Analysis and Critical Control Point in Food Manufacturing 2003	Design Project	REF TP373.5 .O4
	Ortiz Rivera, Griselle Marie	2003	A comparison of Fatigue Levels Between Laptop and Desktop Computer Use 2003	Design Project	REF TA167 .O7

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master in Manufacturing Competitiveness	Ortiz, Amaliz De L.	2008	ISO 9001: 2000 internal quality audits: procedural vs process audit strategy/approach gap analysis	Design Project	REF HD9720.9 .A1 O7
	Padilla Santisteban, Brenda Eunice	2006	Evaluation of heating, ventilating and ir conditioning (HVAC) systems compliance with current validation standards	Design Project	REF TD883.17 .P33 2009
	Pérez Ghigliotty, María A.	2002	Supplier Certification Program for Electronics, Inc. 2002	Design Project	REF HD39.5 .P4 2002
	Ramos Cortés, María del Rosario	2006	Waste Reduction in a Pharmaceutical Industry Packaging Line for Solid Products Applying Six Sigma Tools 2006	Design Project	REF TD897.847 .R35 2006
	Reyes Santos, Lesbia	2007	Transition of the Forecast Demand to Kanban Process in a Pharmaceutical Industry	Design Project	REF TS157.4 .R49
	Rivera Martínez, Orlando	2006	Ergonomic Evaluation of Double Handle Tools: An Electromyography Study 2006	Design Project	REF TS175 .R5 2006
	Rodríguez Camacho, Giovanni	2008	Optimization of a bread making process applying lean manufacturing	Design Project	REF HD9058 .B74 R6
	Rodríguez Hernaiz, Luis E.	2006	Application of Six Sigma Tools for Improvement of Drug Z Testing Operations 2006	Design Project	REF TS156 .R64 2006
	Rodríguez López, Luz E.	2005	Improvement of Encapsulation Manufacturing Process Through the Reduction of the Sulfate Impurity 2005	Design Project	REF TS198 .C33 R6

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master in Manufacturing Competitiveness	Rosado González, Itza	2008	Process improvement in the chemistry area of a reference laboratory using lean six sigma	Design Project	REF RB36.3 .Q34 R67
	Rosado, William	2008	Lean manufacturing application in a pharmaceutical finish product laboratory	Design Project	REF RS189 .R67
	Santiago Nieves, Carlos R.	2003	Application of Six Sigma Tools During Validation of a Packaging Line 2003	Design Project	REF TS196.4 .S2
	Serrano Bernacet, José	2008	Cycle time improvement in QA final batch record release	Design Project	REF TS156.8 .S47
	Torres Bonilla, Alex E.	2008	Lean implementation for the endoscopic [sic] vessel harvesting device (EVH) manufacturing line	Design Project	REF HD9995 .E53 T67
	Veguilla de Jesús, William	2006	Implementation of Visual Control System in a Manual Assembly Line of Medical Devices 2006	Design Project	REF TS155 .V4 2006
	Viana Rosado, Mildred	2004	Automated Tracking System to Follow up Open Regulatory Action Plans 2004	Design Project	REF TS156.2 .V5
Master of Engineering in Civil Engineering	Álvarez Ibáñez, Andrés	2008	Structural evaluation and seismic rehabilitation of a public school building	Thesis	REF TH1095 .A48 2008 REF TH1095 .A48 2008 PROJECT V.2
	Berrios Hernández, Néstor	2008	Retrofitting the Yabucoa Wastewater Treatment Plant biological treatment process	Design Project	REF TD755 .B47

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Engineering in Civil Engineering	Contreras Silverio, Henry.	2008	Sludge handling system at the Culebrinas water treatment plant	Design Project	REF TD899 .W3 C66 2008
	Gauthier Santiago, Javier F.	2002	Método General Para El Estudio De La Carga De Pandeo Global Flexo-Torsional A Nivel Elastico En Elementos De Paredes Delgadas Y Seccion Transversal Abierta	Thesis	REF TA656.2 .G3
	Morales Cuevas, Lourdes M.	2008	La Plata Nuevo Water Treatment Plant Optimization	Design Project	REF TD233 .P8 .A52
	Ortiz Pérez, Jegsal Rubén	2006	Full-Scale Test of Hollow-Core Slabs Subject to Flexural Stress and a Study of Instantaneous Deflections 2006	Design Project	REF TA660 .O7 2006
	Quiñones Maymí, Carlos J.	2005	Determination of Load Capacity of a Reinforced Concrete Slab Bridge Through Load Testing 2004	Design Project	REF TG305 .Q56 (C.1 C.2)
	Ramos Lebrón, Emmanuel	2006	Reliability-Based Design for the Stability of a Soil Nail Wall in the Municipality of Naranjito, Puerto Rico 2006	Design Project	REF TA683.5 .W34 R3 2006
	Santiago Pagán, Pedro L.	2009	Development of a geotechnical engineering software for deep and shallow foundations analysis and design within Matlab environment	Design Project	REF TA641 .S26
Master of Engineering in Manufacturing Engineering	Berroa Salvador, Julio César	2008	Optimization of a gas turbine combustor assembly process	Design Project	REF TJ778 .B47 2008
	Buitrago Soto, Katerine	2008	Release Cycle Time Reduction For Semi-Solids (Finished Products) at the Microbiology Area	Design Project	REF TS156.6 .B85

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Engineering in Manufacturing Engineering	Burgos Román, Danilo	2006	Scrap Reduction Design Project 2006	Design Project	REF TS155.7 .B8 2006
	Cárdenas Gómez, Yen Edwar	2008	Lean-Sigma principles applied to a medical device industry and their impact on productivity	Design project	REF HD9994 .A2 C37
	Carrasquillo López, Rafael A.	2007	Automatic PH Control for a Pharmaceutical Facility's Wastewater Treatment Plant	Design Project	REF TD747.9 .C37
	Cartagena Rubio, Hilda R.	2008	Applying DMAIC methodology to liquid proactive delivery at re-order point (ROP)	Design Project	REF HD9581.2 .O9 C37 2008
	Castro Haedo, José A.	2005	Standarized Documentation for the Automatized Process Didacting System De Lorenzo 2314	Design Project	REF TS156.8 .C3 2005
	Colón Villalobos, Luis M.	2006	Refrigeration Leak Reductions	Design Project	REF TP492.7 .C6 2006
	Cruz Cordero, Yamilda E.	2004	Material Handling Systems Evaluation in Chemical Plant	Design Project	REF TS180.8 C5 C7 2004
	De Hoyos, Celestino.	2008	Process automation using a programmable logic controller	Design Project	REF TS183 .H69 2008
	Díaz Carroll	2002	Technology Transfer Package for a Solid Oral Dosage Form	Design Project	REF RS200 .D5
	Díaz Marrero, José A.	2007	Relating Manufacturing Performance to Logistic Capabilities in Puerto Rico's Pharmaceutical Firms	Design Project	REF T58.8 .D53

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Engineering in Manufacturing Engineering	Encarnación García, Luis A.	2008	Optimization of lock-out tag-out program using the six sigma methodology	Design Project	REF T55 .O6 E53
	Esteves Román, Ivelisse	2008	Cycle Time Reduction for an Emergency Room Using Lean Six Sigma	Design Project	REF TS156.6 .E78
	Fadul Martínez, Sonia	2004	Subjective Perceptions and Biomechanical Analysis of Backpack Loads on 8th and 9th Grade Students in a Private School in Puerto Rico	Design Project	REF TS175 .F3
	Farías Jiménez, Luis H.	2008	Site design process improvement using six sigma	Design Project	REF TH375 .F37
	Fernández Rodríguez, Gira M.	2004	Modification of and Ester Recovery System to Process an Alcohol from a Mother Liquors Stream	Design Project	REF TP156 .D4 F4
	Figuroa, Rafael	2008	Condition monitoring and fault diagnostic characterization of an environmental stress screening system	Design Project	REF TK78.70.23 .F54
	Fuentes Burgos, Brenda L.	2002	Implementation of Assemble and Pack to Automate the Production Batch Record	Design Project	REF TS178.2 .F8
	García Cartagena, José Luis	2006	Introduction of New Technology to Bond Cores	Design Project	REF TS718 .G3 2006
	Giuliani Ortiz, Myreli	2008	Bulk delivery cycle time reduction	Design Project	REF HD9665.5 .G58

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Engineering in Manufacturing Engineering	González Hernández, Ismael	2008	Equipment cleaning synchronization in formulation area: focusing on cleaning downtime	Design Project	REF TS191 .G66
	González Muñoz, Mariselle	2005	Pharmaceutical Solids: Facility Close Out and Product Transfer 2005	Design Project	REF RS199 .G6
	Hernández Irizarry, César A.	2008	Supervisory control and data acquisition system for a packaging line in a pharmaceutical company	Design Project	REF HD9665.5 .H47 2008
	Lara, Ingrid	2007	Supplies Flow Optimization Applying Design Excellence	Design Project	REF T58.8 .L37
	León Bonilla, Nilda G.	2008	Waste reduction in a blister packaging line applying six sigma methodology	Design Project	REF HD9665.5 .L46
	López Otero, José Francisco	2001	Automation of Drinking Water Production System for Small Conventional Process Plants in Puerto 2002	Design Project	REF TD434 .L6
	López Pérez, Maritza	2005	Tablet Press Facility Design Improvement and Start-Up 2004	Design Project	REF TP159 .C57 L6
	López Ríos, Wilberto	2005	Process and instrumentation Design of a Ventilation and Air Conditioner System for Improvements in Pharmaceutical Rooms 2005	Design Project	REF TS177.L6
	Lozada Ortiz, José F.	2005	To Design a business Continuity Planning Guidelines for Pharmaceutical Manufacturing organizations Regulated by Food and Drugs Administration 2005	Design Project	REF RS189 .L6

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Engineering in Manufacturing Engineering	Mangual García, Francisco J.	2007	Ethanol Concentration Measurement Automation	Design Project	REF TP248.25 .A96 M35
	Marte Rolón, Julia I.	2005	Increase Production Capacity in Tablet Compressing Machine 2005	Design Project	REF TP159 .C57 M3
	Matos Bonilla, Heilly R.	2008	Implementation of near infrared spectroscopy for solvent recovery in line analysis using the six sigma methodology	Design Project	REF TP155.75 .M38 2008
	Mercado Miranda, Juan R.	2007	Implementation of an Enviromental Monitoring System EMS Enhancement Module	Design Project	REF TS170.5 M47
	Montesinos, Lilian	2007	Split Tablet Reduction in Product Z	Design Project	REF RS200 .M65
	Morales Fontanez, Grisel.	2003	Automated Calculation of Analytical Methods Used in Pharmaceutical industries for Product Release 2003	Design Project	REF TS158.6 .M6
	Negrón de Jesús, Israel	2006	Material Acceptance Process Lead Time Reduction 2006	Design Project	REF TS156.8 .N4
	Ortiz Rodríguez, Marieli	2006	Compression Stage Optimization for Product X through the Evaluation of Compression Tooling and Compression Parameters 2006	Design Project	REF TS198 .P7 O7 2006
	Ortiz Tomei, Eriel	2008	Design of a utilities data acquisition and remote monitoring system	Design Project	REF TS194 .O78 2008

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Engineering in Manufacturing Engineering	Pérez Cruz, Elmy Samuel	2008	Upgrade of a tablet manufacturing automated system	Design Project	REF RS201 .T2 P47 2008
	Pérez, Christian	2009	Parenteral cleaning process water recovery system design for boiling operation	Design Project	REF TD429 .P47
	Pinto Pérez, Omayra	2002	Optimization of a Polishing Process 2002	Design Project	REF RS199 .C63 P5
	Pomales Betancourt, Norma	2007	Warehouse Layout Design for a Distribution Center	Design Project	REF TS189.6 P65
	Quiñones Pellot, Sulley M.	2008	Time reduction between triage and initial evaluation by general physician using lean six sigma	Design Project	REF RA975.5 .E5 Q56
	Quintana Rivera, William R.	2003	Research and Development Model for a Medical Devices Manufacturing Facility in Puerto Rico 2003	Design Project	REF TS33 .P8 Q5
	Ramos Aponte, Eddie C.	2008	Lean six sigma application on a high mix/low volume electronic company	Design Project	REF HD9696 .A2 R36
	Ramos Torres, Syndia	2005	Improvement in the Coating Area 2005	Design Project	REF TS198.3 .C6 R3
	Reyes Aponte Ivette C.	2008	Integrating Customer's Opinion in the Supply Chain of Pharmaceutical and Chemical Industrial in Puerto Rico	Design Project	REF HD38.5 R49
	Reyes Ruiz, Mirta M.	2002	Design of Suspension Transfer System 2002	Design Project	REF TJ935 .R4

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Engineering in Manufacturing Engineering	Rivera Cuevas, Marian	2005	Sanitization Methods Comparison for Pharmaceutical Purified Water Systems 2005	Design Project	REF TD441 .R5 2005
	Rivera Estela, Waleska	2002	Automation for the Drinking Water Industry 2002	Design Project	REF T59.5 .R5
	Rivera Falcón, Patricia	2005	Modification of Microfiltration and Chromatography Systems to Concentrate and Recovered Cells in a Biotechnology Process 2005	Design Project	REF TP156 .C5 R5
	Rivera Fazzi, Ángel	2007	Design of an Incentive System that Supports the Lean Manufacturing Initiatives in the Textile Industry in Puerto Rico	Design Project	REF TS1449 .R58
	Rodríguez Meléndez, Ysandra Denise.	2008	Health care mixing parameters control improvement	Design Project	REF HD9970.5 .C672 R63
	Rodríguez, Juan M.	2008	Implementation of New Real-Time Particle Monitoring System in a Parenterals Aseptic Area	Design Project	REF TP248.25 .M65 R63
	Rosado Jiménez, Vilma A.	2006	Mechanical Redesign Implementation in a Biotechnology Plant 2006	Design Project	REF TS181 .R6 2006
	Seda Toro, Lissette	2007	Printed Circuit Board Assembly Quality Process Improvement	Design Project	REF TS180 .S43
	Semidei Camacho, María E.	2006	Development of a Project Management Methology for a Financial Office 2006	Design Project	REF T56.8 .S4 2006

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Engineering in Manufacturing Engineering	Silva Figueroa, Pedro O.	2008	Cost Reduction and Process Optimization in the Engineering Calibration Department Applying Demings PDCA Tool	Design Project	REF TS167 .S55
	Sotomayor Cerezo, Beliza	2005	Valuation and Replacement Plan of Tank's Level Transmitters 2005	Design Project	REF TP205 .S85 S6
	Torres Plaza, Edgar	2002	Innovative Improvement to Capsule-Filling Process Through Waste Reduction 2002	Design Project	REF TS198 .C33 T6
	Vélez Ríos, Damaris	2006	Application of Six Sigma Tools to Improve a Resistance Spot Welding Manufacturing Process	Design Project	REF TA156.6 .V45
	Zayas Hernández, Rubén	2007	Cycle Time Reduction in a Specific Pharmaceutical Process	Design Project	REF T60.52 .Z39
Master of Landscape Architecture	Acevedo González, Madeline	2011	[Re] construction of the mountain landscape: Camp Guajataka	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Airando Torres, Marcel	2011	Endemic ruins: a reference in the landscape	Thesis	REF GF91 .P8 A37 c.2
	Airando Torres, Marcel	2011	Endemic ruins: a reference in the landscape	Thesis	REF GF91 .P8 A37
	Aristy López, Rita A.	2012	The resurgence of the Quarries: Landscape parts unifying	Thesis	In process

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Landscape Architecture	Asencio, Carmen	2017	Green infrastructure: alternate method for the sustainable handling of leachate in landfill systems located in the Northern Karst Region	Thesis	REF TD756.5 A84 2017
	Ballester, Carola	2010	Stream-city relationship: It's re configuration in light of urban redevelopment	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Bauzá Cruz, Luis M.	2012	Programación del vestibulo de la modernidad en Puerto Rico	Thesis	In process
	Benero Rivera, Ricardo J.	2011	Reframing coastal urban fronts	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Berrios Rodríguez, Giovanna R.	2012	Urban Cemeteries of the Puerto Rican Shore: Heterotopics enclave of urban regeneration	Thesis	REF RA630 .P92 B47 2012
	Bibiloni González, Carlos R.	2012	(Re)engranaje del entorno ribereño en la desembocadura del río	Thesis	In process
	Bingen Canales, Mery M.	2011	Gastronomic destinations: sustainable itineraries	Thesis	REF HT443 .P8 B56 c.2
	Bingen Canales, Mery M.	2011	Gastronomic destinations: sustainable itineraries	Thesis	REF HT443 .P8 B56
	Burgos López, Cynthia Michelle	2010	Places without register: The new stages of cultural events	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Calderón Alonso, Agmarie	2017	Adaptive barrier: the containing of an inmerse space	Thesis	REF HT395 .P93 S25 2017

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Landscape Architecture	Carrasquillo Hernández, Franchesca M.	2017	Corredores Lúdicos y Ecológicos como recorrido didáctico en el contexto urbano	Thesis	REF GV62 .P9 S5 2017
	Casal Seibezzi, Arianna	2017	Reacción en cadena: ciclovías de larga distancia	Thesis	REF HE336 .C92 C37 2017
	Colón Mulero, María Nené	2017	Núcleos Ecolúdicos en Escuelas Elementales, Públicas y Urbanas, en proceso de adaptación a la filosofía Montessori	Thesis	REF LB3251 .C65 2017
	Díaz Bassat, Jazmín	2010	Riverine scars in Puerto Rico: The abandoned values and the changes in the image of rivers in the collective memory of Puerto Ricans as a result of the development of its surroundings	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Díaz Pagán, Edgar Javier	2010	Unifocal envisioned landscape: Historical cemetery dissociation with its context and trifocal organization as a means to reinterpret the mortuary field in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Díaz Vázquez, Elia E.	2011	Secondary landscapes	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Faría Vega, Sigfredo E.	2011	Recreación oficiosa: respuesta civil de alto rendimiento a las necesidades locales de esparcimiento	Thesis	REF GV191.48 .P8 F37
	Febo Casiano, Gabriel	2010	[Re]articulating the communitarie anomie at the estuarine shores	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Fletes Monroy, Lourdes M.	2011	Revitalization of the industrial vestiges in the coastal landscape of Puerto Rico case of Sugar and Honey Pier in Aguadilla	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Landscape Architecture	Fowler, Sarah	2009	Fragmented landscapes: reconnecting people and watersheds in northeastern Puerto Rico	Thesis	REF SB470.55 .P8 F69
	Fret Vega, Luis Eduardo	2012	(Re)interpretación de los estuarios en zonas urbanas	Thesis	In process
	Lugo Caro, Laura M.	2010	Botanical sprawl: Reinterpreting borders at the botanical garden	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Mojica Riutort, Mariely Y.	2011	Working with brownfields: Reuse of sugar mill landscapes in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Negrón Vargas, Yackxel G.	2011	Estractos evanescentes del paisaje costero de las salinas	Thesis	In process
	Overby Jendi, Gisela Evelyn	2011	Urban Imperviousness: the effect of shopping centers on the imbalance between the green and grey infrastructures in the San Juan Metropolitan Zone	Thesis	REF NA6218 .O84 2011
	Rivera Méndez, Tadiika M.	2010	Natural environment of elementary / middle schools of Puerto Rico: Latent giants waiting for a natural revitalization	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Rodríguez González, Yesenia	2011	The multispatial landscape in the suburban avenue	Thesis	REF HE359 .P95 G8 2011
	Rodríguez González, Yesenia	2011	The multispatial landscape in the suburban avenue	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Landscape Architecture	Rodríguez Rosas, Verónica	2017	El Jardín terapéutico en los hogares de envejecientes en Puerto Rico	Thesis	REF RA998 .P9 R63 2017
	Roque Meléndez, Sheiley M.	2011	El "Escondite" de los ríos de la montaña como catalítico para formalizar la recreación montañosa	Thesis	In process
	Rosado Flores, Rafael Iván	2010	Metropolitan fission: Landfills in disuse and their fusion with the built environment	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Sánchez Febres, Ricardo J.	2012	El paisaje del intersticio: Recreando el balneario contemporáneo puertorriqueño en el siglo 21	Thesis	In process
	Sánchez Nieves, Roberto	2011	Arroyo's costal revitalization project	Thesis	REF NA9157 .A77 S26 c.2
	Sánchez Nieves, Roberto	2011	Arroyo's costal revitalization project	Thesis	REF NA9157 .A77 S26
	Solla González, Jennifer	2017	Paseos peatonales comerciales: paisaje omitido y desatendido en los cascos urbanos de Puerto Rico	Thesis	REF NA9074 .S65 2017
	Vázquez Díaz, Mayra E.	2011	Emerging landscapes: Landscapes as seen from the road	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Master of Science in Civil Engineering	Acosta Mercado, Ismael S.	2012	Effects of the variation of curing temperature and water-cementitious material ratio in the maturity curve of concrete, applied for the prediction of its early age strength	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Civil Engineering	Corraliza Roque, Sigfredo.	2005	Determination of the Site Soil Dynamic Response Over Sedimentary Layered Deposits in the San Juan Metropolitan Area	Thesis	REF TA705.4 P8 .C6 REF TA705.4 .P8 C6 CD
	De la Cruz Montañez, Yulianna	2011	Multi-sectorial, spatially and temporary adaptable technical guide and simulative design application for rainwater harvesting	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Díaz Carrasquillo, Enrique	2013	Non linear behavior of piles subjected to lateral loads	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Echeandía González, Jorge J.	2010	Lateral load distribution in multistory dual system buildings	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Falconí López, Heraldo Antonio	2011	Finite element solution of the warping torsion using the equivalent beam-column analogy in multi-span beams	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Font Torres, Reynaldo R.	2012	The impact of building codes changes on the seismic requirement of multistory buildings	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	González Cains, Omayra	2008	Standard Design for the Puerto Rico Electric Power Authority Subtransmission Steel Poles.	Thesis	REF TK3242 .G65
	González Cruz, Marangely	2015	Alumina extraction through thermal activation of fly ash by sodium hydroxide	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	González Sánchez, Nelson I.	2012	Dynamic response of controlled structures considering the seismic waves propagation through soil stratus	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Civil Engineering	González Viruet, Enrique M.	2003	Non-Linear Finite Element Analysis of Reinforced Concrete Structures in Plane Stress Conditions 2003	Thesis	REF TA647 .G6
	Guerra Machado, Lisell	2013	Analysis of hydraulic conductivity and shear strength of clay-fly ash mixtures	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Jackson, Iván. C	2009	Contribution to the analysis of barrettes in older alluvial deposits of San Juan	Thesis	REF TA787 .J33 2009
	Janer Meléndez, Eduardo J.	2012	Axially loaded piles in nonlinear soil using Finite Element Analysis	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Linares Ghigliotty, Wallison	2012	Compression-bending interaction and spring horizontal stiffness in structural arches	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	López Rápalo, Dennis J.	2013	Maximum potential of degradation of river bed based on stratigraphy: Aid for long-term degradation analysis	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	López Santiago, Ernesto	2014	An investigation of expanded polystyrene geofoam mechanical properties	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Martínez Jerez, Silvio R.	2014	Effect of insulating concrete forms in concrete compressive strength	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Merejo, Andrea	2013	Visual inspection and damage assessment guide for concrete buildings	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Merejo, Andrea	2013	Visual inspection and damage assessment guide for concrete buildings	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Civil Engineering	Portalatín Rivera, Juan	2010	Flood magnitude estimation for streams in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Rivera Martínez, Joel E.	2011	Interactive visual aid tool for the tridimensional stress state analysis of statically loaded elements	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Rivera Vargas, Juan G.	2005	A Second Order Analysis Using a New Finite Element for Beam-Column Design 2005	Thesis	REF TA660 .B4 R5
	Rivera Virella, Javier E.	2003	36 Degrees of Freedom Thick Plate Bending Element Using Non-Nodal Reference Displacement 2003	Thesis	REF TA660 .P6 R5
	Rodríguez Burgos, Xavier	2012	A refined steel beam-to-column moment connections study considering the effect of the ductility in the building response	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Rodríguez González, Omar R.	2007	Study of the effects of Plasma Source Ion Nitriding on ASTM A615 Steel Reinforcement Bars	Thesis	REF TA683.42 .R63
	Rodríguez Martín, Javier A.	2010	A refined rectangular plane stress element for steel shear plate analysis	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Rodríguez Pacheco, José Raúl	2012	Validation of Integral Abutment Bridge design model	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Rodríguez, Yamayra	2012	Geotechnical characterization of fly ash and bottom ash from AES, Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Rosa Ávila, Raymond	2011	Development of a pre-processor and post-processor for FORTRAN-based structural engineering programs	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Civil Engineering	Sánchez Zayas, Evelyn M.	2005	Automation for the Drinking Water Industry 2002	Design Project	REF TA710.5 .S2 2005
	Santiago Santiago, Mireddy	2013	Refined beam-column finite element with nine degrees of freedom	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Soto Rodríguez, César A.	2003	General Procedure for Rectangular Thin Plate Bending Finite Element Method with 25 DOF and 24 DOF 2003	Thesis	REF TA890 .S6 (2 Copies) REF TA890 .S6 CD
	Soto Rosa Noé	2007	Plate Bending Analysis using a New Finite Element with 17 DOF. Including 5 Non-Nodal.	Thesis	REF TA418 .S68
	Suárez Alvarado, Luis F.	2005	Comparison of Bridge Design Per AASHTO LFD Using the HS 30 Live Load Model and ASSHTO LRFD Using the HL 93 Live Load Model 2005	Design Project	REF TG310 .S8
	Suárez Figueroa, Daniel	2003	Plane Stress Analysis Using the Finite Element Method Base on a Rectangular Element with 34 Degrees of Freedom, 8 Nodal and 26 Non-Nodal 2003	Thesis	REF TA347 .F5 S8
	Suero Inoa, Rafael Andrés	2004	Retrofitting of Reinforced Concrete Structure Using Carbon Fiber Reinforced Polymer, Experimental and Analytical Study	Thesis	REF TA455 .R58 S8 2004
	Vagnetti, Paul J.	2010	Steel beam-to-column moment connection: comparative studies of different types of moment connections	Thesis	REF TA660 .J64 2010
	Zürcher, Felix	2010	Analysis of the effect of base soil permeability on pavement deterioration	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Computer Engineering	Abadía Ortiz, Raymond J.	2016	Web tracking awareness and online privacy	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Abou El Seoud, Mohamed Khaled	2015	Malware detection using Windows file header attributes	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Asmar Awad, Rima	2014	Automated clustering of malware variants based on structured control flow	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Ettiene Matos, José	2011	In depth research to reveal a peer to peer (P2P) botnet life cycle	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Kiragiannis Collazo, Georgios A.	2008	Towards a Model of Adaptive Prediction in Software Engineering	Thesis	REF QA76.76 .P74 K57
	Morales Morales, Joel	2014	Application of data mining to celular phone customer prediction	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Pérez Cruz, Oscar A.	2013	Generating Mobile Ad-Hoc Network Simulations through NS-3	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Rivera Ayuso, Marcel	2016	Extraction and visualization of sentiment information from twitter data	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Rivera Molina, David	2015	Handling web page requests using writev() and sendfile() when transferring content of various sizes in Apache HTTP server	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Computer Engineering	Soler Rosado, Xavier	2017	Understanding Smartphone Authentication: A Qualitative and Quantitative Study about User Perception of Security and Authentication on Smartphones	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Master of Science in Computer Science	Bonilla Zavala, Sandra L.	2012	Development of a curriculum model for a Master Degree in Information Assurance and designation as a National Center of Academic Excellence in Information Assurance and Education (CAE/IAE)	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Borges Hink, Raymond Charles	2012	BitPredator: A discovery algorithm for BitTorrent initial seeders and peers	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Caituiro Monge, Fátima	2012	Distributed Task Framework for designing and implementing Decision Tree algorithms for mining large datasets	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Deliz Centeno, Gary L.	2016	Public opinion on internet privacy: A Puerto Rico survey	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Dueño Ortiz, Bruno G.	2014	Detection and analysis of man-in-the-middle attacks in windows 8 and windows 8.1	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Géigel, Arturo	2009	Combining phones, syllable and phonological features in speech recognition using neural networks	Thesis	REF TK7882 .S65 G45 2009
	González Santiago, Nathaniel	2013	Data mining social media networks for terrorist events indicators	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Jiménez Ramos, Víctor	2009	Extending the Linux firewall for high performance networks	Thesis	REF TK5105.59 .J56 2009

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Computer Science	Maldonado Mora, Luis Janiel	2010	A web-based courseware for the learning of database security	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Moreno Ortiz, Juan C.	2012	A methodology for assessing and securing an infrastructure from SQL injection	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Nieves Rodríguez, José F.	2015	Genetic algorithm for cryptanalysis on the Vigenere cipher	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Olaya, Julio César	2008	Clustering Hybrids: Genetic Algorithm Applied to K-Means and Fuzzy C-Means	Thesis	REF QA76.623 .O53
	Rodríguez Espinosa, Lisabel	2016	Federal emailarchiving and forensics	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Sánchez García, Daniel	2010	Procedural Generation of Building Blueprints for Real-Time Applications.	Thesis	REF QA76.76 .C672 S26
	Soto, Philippe	2017	The effect of the mini-batch size on deep neural networks training	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Vega Canella, Luis M.	2010	Periphery phonemes as features for speaker recognition	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Master of Science in Electrical Engineering	Cabrera Santiago, César	2008	Performance Comparison of Nonlinear Controllers Using Quanser's Ball-and-Beam Plant	Thesis	REF TJ217.2 .C33

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Electrical Engineering	Carrión Ruiz, José J.	2007	Numerical modeling of axially-symmetric structures using finite difference time domain method of bodies of revolution.	Thesis	REF TK7871.6 .C27
	Collazo-Ortiz, Karlos E.	2012	Parallel processing of small images using OpenMP	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Cruz Molina, Carola	2017	Orthogonal subspace projection technique with applications to communications and pattern recognition problems	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	De Jesús Rosario, Miguel A.	2011	Applications of the Nonuniform Discrete Fourier Transform in time-frequency analysis, beamforming, and null synthesis	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Gómez Angulo, Rodney Andrés	2009	Numerical techniques to analyze periodic structures	Thesis	REF QC666 .G66
	Lebrón Figueroa, Ángel G.	2011	Analysis of different robust methods for linear array beamforming	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Lugo Obando, Katherine	2009	Directivity enhancement in low profile antenna/superstrate composites	Thesis	REF TK7871.6 .L84
	Lugo Rodríguez, Aníbal	2012	Code refactoring for a material science algorithm	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Mangual Rodríguez, Osvaldo	2012	Implementation and benchmarking of parallel cyclic convolution algorithms in clusters and multicore architectures	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Electrical Engineering	Morales Morales, Leandro	2006	Beamforming Algorithm and Processor Development for Smart Antenna in Wireless Communications	Thesis	REF TK5103.452 M6 2006
	Ortiz Mercado, Jorge A.	2009	Radio channel estimation in cellular communications with smart antennas	Thesis	REF TK7871.67 .A33 O78
	Palou, José	2012	WiMAX network performance improvement with OFDM-MIMO technology	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Pedro L. Rivera Rivera	2013	Wavelet transform for power disturbance classification	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Ponce Mojica, Eduardo M.	2012	Asynchronous computing using CUDA on a Tesla C2050 GPU	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Rashod Tompkins, Vicent	2016	Electron optics simulation to verify the design and behavior of a plasma diagnostics tool via matlab	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Rodríguez Castellano, Yamil I.	2007	Design, Analysis and Implementation of Parallel Cyclic Convolution Algorithms Based on Pseudocirculant Matrices	Thesis	REF TK5102.9 .R63
	Rodríguez Polanco, José Manuel	2012	Broadband beamformer frequency bin parallelization using Matlab	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Soto Pérez, Frankie A.	2012	Robust mismatch beamforming algorithm analysis for a circular planar array geometry	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Torres Santiago, Jesús	2012	Towards increasing the efficiency of numerical simulations of Mott insulators	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Electrical Engineering	Valle Laureano, Raúl	2012	Speed optimization of the MVDR and DAS beamforming algorithms using data parallelization in MATLAB	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Vélez Rodríguez, William	2014	Parallel implementation and benchmarking in cluster architectures of one-dimensional discrete fourier transforms: A comparison using the row-column algorithm versus a novel formulation based on the bluestein/pseudocirculant algorithm	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Vélez Rodríguez, William	2014	Parallel implementation and benchmarking in cluster architectures of one-dimensional discrete fourier transforms: A comparison using the row-column algorithm versus a novel formulation based on the bluestein/pseudocirculant algorithm	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
Master of Science in Manufacturing Competitiveness	Álamo, José Juan	2012	Study of the effects on formulation, manufacturing and critical environmental variables on drug release of ibuprofen from hydrophilic swellable matrices	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Álvarez Martínez, Enid.	2009	Development and implementation of an operational methodology for a plasma research laboratory	Thesis	REF TA416.5 .P8 A48
	Ayala Báez, Damaris	2007	Determination of the Optimum Diafiltration Parameters for the Removal of Citrate in Recombinant Human Erythropoietin Purified Bulk	Thesis	REF RM666 .E834 A92
	Betancourt Quiles, Maritza	2012	Dibasic calcium phosphate dihydrate, USP material compatibility with gamma radiation	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Manufacturing Competitiveness	Canales Villareal, Arleene	2008	Study of Process Analytical Technology (PAT) Implementation in Puerto Rico's Pharmaceutical Industry	Thesis	REF TS183 .C35
	Centeno Martínez, Ángel D.	2010	Novel approach for the cleaning validation acceptance criteria calculation by a mathematical re-arrangement of available formulas	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Colón Donato, Melvin	2010	Leverage from factory acceptance test, site acceptance test, and commissioning into qualifications using a filler of a packaging line as a model in the pharmaceutical industry	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Cruz Ortiz, Luis A.	2012	Internal quality audits deployment status in the FDA regulated industries within Puerto Rico and the effect for enable corrective/preventive actions and continuous improvements	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Díaz Arroyo, Ricardo Luis	2013	Vitamin products GMP compliance, product quality, components, and contaminants investigation	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Díaz Fernández, Johanna.	2009	Study on the perception of employees in performance evaluations and its impact on the productivity in the FDA regulated industry in Puerto Rico.	Thesis	REF HF5549.5 .M6 D53 2009
	Duarte Uribe, María Fernanda	2014	Development of a simple methodology for determination of the critical tamping force in a dual or multilayer tablets in GMP manufacturing area	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Febres Arroyo, Mabel	2002	Impact of a High Density Grade of Microcrystalline Cellulose in XX Blend	Thesis	REF TP1183 .M5 F4

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Manufacturing Competitiveness	García Rivera, Luis S.	2005	Effects of Flame Treatment on Polyethylene Voltees Used in Induction Seal Process	Thesis	REF TS198 .P7 G2
	López Rivera, Yamir M.	2006	Development of a Blending Process For a Low Dose New Drug Candidate Using a Bin Blender System And Evaluation of Physicochemical Properties of Product When Adding a Milling/Deagglomeration Step 2006	Thesis	REF RS199.5 .L6 2006
	Maldonado Pérez, Gloryvee	2009	Evaluation of near infrared technology utilization and applications in Puerto Rico pharmaceutical industry	Thesis	REF HD9670 .P82 M35 2009
	Medina-Plaza, Giovanni	2015	Novel model development of a drug combined tablet using an osmotic controlled delivery system	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Molina, Keila Y.	2013	Development of a harmonized guide for aseptic processing to improve product quality and expedite international regulatory approval	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Morales Padilla, Arleen M.	2006	Requirements for a Good Supplier Qualification Program 2006	Thesis	REF TS156.6 .M6 2006
	Nazario Lazo, Ramonita	2017	Assessing the Need for Guidance Documents for Suppliers to the Life Sciences, Regulated Industry: Small Suppliers Perspective	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Ortiz Colón, Anayansi	2011	Lean manufacturing/management deployment status in manufacturing companies within Puerto Rico and the effect in strengthening manufacturing sector in the island	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Manufacturing Competitiveness	Padín Hernández, Yolanda	2010	Harmonization of purified water monographs and analytical methods of the United States, Europe and Japan pharmacopeias	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Padín Muñiz, Wilfredo	2006	Assesment of P.R. Pharmaceutical Companies, Pharmacies & Suppliers Readiness with Respect to Drug and Packaging Anticounterfeiting Initiatives 2006	Thesis	REF TS196 .P3 2006
	Quiles Guzmán, Mercedita	2017	Development of a Practical Guide for Lean Application in a Direct Services Small Business in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Ríos Santos, Mayra M.	2008	Study of Cellulose Acetate, Acetyl Content and Membrane Weight on the Release Rate of an Oral Osmotic System	Thesis	REF RS201 .C64 R56
	Rivera Martínez, Rafael O.	2009	Incidence of thermoduric, thermophilic and coliform bacteria in raw milk found in cooling tank at the dairy farm in Puerto Rico	Thesis	REF SF257 .R58 2009
	Sánchez Luperón, Wilma Y.	2008	Simplifying Documentation Flown in the Production Areas: Electronic Records Perspective	Thesis	REF TS178.2 .S25
	Sánchez Mieles, Aimee	2004	Photostability Study in New Drug Product 2004	Thesis	REF RS424 .S25
	Santana Aponte, Jaime I.	2012	Evaluation and assessment of the current use of CAPA tools in the regulated industry within Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Manufacturing Competitiveness	Santiago López, Nelson	2001	Improving Tensile Strength in Resistance Spot Welding Process Using Response Surface Methodology for Synchronous Controller Parameter Optimization 2002	Thesis	REF TK4660 .S2
	Sepúlveda, Josefina	2008	Analysis of the Relationship Between Organizational Culture and Service Inter Groups in the Quality Department of a Biotechnology Company	Thesis	REF HD58.7 .S46
	Vidró Martínez, Keyla J.	2004	Water Recycle and Reuse System for Confectionary Industry 2004	Thesis	REF TD429 .V5
Master of Science in Manufacturing Engineering	Alvarado Mercado, Limaris	2004	Effectiveness of Formulation Tanks Cleaning Using CIP Units Program Without Detergent for The Removal of Protein Based Product Residual After Their Manufacturing Use 2004	Thesis	REF TP690.8 .A59
	Claudio Ayala, Carlos E.	2008	Automating Supply Chain Material Flow in Pharmaceutical Industries using Fuzzy Logic	Thesis	REF TS158.4 .C52
	Colón Díaz, Elvia M.	2014	Feasibility evaluation of Ion Mobility Spectrometry as process analytical technology (PAT) application for 2,4,6-Tribromoanisole (TBA) detection; Transition from wet to dry chemistry	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Colón González, Carlos	2005	Applying Rotary Technology to the Bottle Filling Process for Solid Dosage Form in the Pharmaceuticals Industries	Thesis	REF TP660 .C65
	Delgado Díaz, Carolyn G.	2013	A guide for implementing Malcolm Baldrige criteria in math class in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Manufacturing Engineering	Flores Díaz, Maricel	2004	Design of Centralized Particulate Monitoring and Alarm System for an Existent Containment Manufacturing Facility	Thesis	REF TS194 .F46
	Garnsey Hernández, Christie S.	2009	Alternative use for biosolids generated by abiotechnology plant in Puerto Rico	Thesis	REF TD774 .G37 2009
	Gutiérrez Vélez, José A.	2011	Development of an experimental methodology at the tablet compression stage based on Quality by Design principles	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Hayes Rodríguez, Francis J.	2003	Manufacturing Equipment Requirements For a Solid Dosage Pharmaceutical Plant 2003	Thesis	REF TS196.4 .H3
	Lausell, Emiliano	2007	The Psychophysical and Biomechanical Effects of Replacing the Sagittal Handling of Loads with a Lateral handling of Loads Through the Use of Ergonomic Tools	Thesis	REF TS180.5 .L28
	López Laviena, Luis R.	2003	The Impact of the Port Americas in the Pharmaceutical Industry 2003	Thesis	REF HE414 .P8 P8
	Martínez Quiles, Idellyse	2005	An Examination of the Single Facility Location Problem; Three Method Comparison 2005	Thesis	REF TS186 .M3 (Contiene CD)
	Martínez Quiles, Ivellise	2005	An Examination of the Single Row Machine Layout Problem Using Computer Simulation 2005	Thesis	REF TS178 .M37 2005
	Martínez, Silvia I.	2008	Practice of the OEE Indicator as a Tool to Measure and Improve Manufacturing Performance at Pharmaceutical Industries in PuertoRico.	Thesis	REF TS192. M37

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Manufacturing Engineering	Meléndez Meléndez, Ángel	2015	The laws in Puerto Rico analyzed by the Six Sigma Methodology (DMAIC)	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Menéndez-Conde Escobar, Beatriz	2006	Detection of Particle Presence inside Glass Containers Using Ultrasonic Measurements 2006	Thesis	REF TS198.3 .G5 M4 2006
	Morales Marco, Guillermo J.	2004	Automation of a Manual Assembly Process for a medical devices manufacturing facility in Puerto Rico 2004	Thesis	REF TS178. 4 .M6
	Ortiz, Joaquín A.	2013	Feasibility evaluation of antibody and vaccines using Needle-free injections as an alternative to hypodermic needle	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Parrilla Quiñones , Rebecca	2006	The Dynamics of Technological Innovation in the Puerto Rico Pharmaceutical Industry Using the Process Analytical Technology (PAT) Initiative as an Example 2006	Thesis	REF T173.8 .P3 2006
	Peña Díaz, Amarilys	2002	Evaluation of Different Resins for the Extrusion of a Medical Device Burette Chambe 2002	Thesis	REF TP1175 .E59 P4
	Peñaloza Arroyo, Ayrin	2004	A Guide for the Implementation of Post Approval Changes in Analytical Procedures for Excipients 2004	Thesis	REF TS1568 .P45 2004
	Pérez López, Noel	2002	Sterilization of IV Solutions Bags using Electrical Fields 2002	Thesis	REF TP156 .S8 P4

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Manufacturing Engineering	Ríos Valentín, Elixandra E.	2014	FDA Enforcement: Analysis of Current Trends in Pharmaceutical and Medical Device Industries and Development of Preventive Practices for Continuous Compliance	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Rivera De León, Oscar	2012	A continuous improvement model for small businesses in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Rivera, Elsa M.	2007	Electronic Batch Record Implementation Success Rate in Puerto Rico's Pharmaceutical Finished Goods Manufacturing Operations.	Thesis	REF TS158 .R59
	Rodríguez, María Judith	2016	Development of strategy to reduce the new product launch time to market in medical device through quality by design (QBD) principles	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Román, Luis A.	2010	Characterization of particle size selectivity in visual inspection of parenteral products using container standards seeded with non-ideal particulate modeled by logistic regression	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Rosado Candelario, Dianelis	2013	Preprocessing and post processing lead time study in Puerto Rico's industries	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Sánchez Paredes, Maureen J.	2008	Assessment on Continuous Improvement Initiatives Adopted within the Manufacturing Industry in Puerto Rico and the Inclusion of Suppliers as a Strategy to Succeed	Thesis	REF TS176 .S25
	Santiago, Pedro I.	2007	An Optimal Batch Size Model for the Pharmaceutical Industry, with Products Campaigns, Set-up within and between Campaigns, Release Time and Release Cost	Thesis	REF TS167.S35

Program / Department	Author	Year	Title	Thesis / Project	Callnumber
Master of Science in Manufacturing Engineering	Selpa-Rivera, David R.	2015	Pharmaceutical manufacturing: Feasibility study for the detectability of cosmetic defects on plastic syringes during automatic inspection	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Serrano-Mercado, Eileen I.	2014	Medical diagnosis: An opportunity for quality improvement in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Vargas Quiles, Carlos Tomás	2005	Bottle-Closure System Alternatives for Compliant, Child Resistant and Senior Friendly Packaging 2006	Thesis	REF TS198 .C46 V3 2005
	Vera Mecicano, Hebben K	2017	Design of the Mechanical Recycling Process for Polyethylene Terephthalate Bottles Using the Lean Manufacturing Methodology in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Vicens Otero, Juan A.	2007	State of Site Automation Survey for Oral Dosage Manufacturing Plants in Puerto Rico	Thesis	REF TS158.6 .V54



UNIVERSIDAD
POLITÉCNICA
PUERTO RICO

Library



INDEX BY YEAR



Index of Graduate Theses and Design Projects in the PUPR Library by Year



Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2017	Master of Science In Manufacturing Competitiveness	González Miranda, Carlos J.	Quiles Guzmán, Mercedita	Development of a Practical Guide for Lean Application in a Direct Services Small Business in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Electrical Engineering	Zaharov, Victor	Cruz Molina, Carola	Orthogonal subspace projection technique with applications to communications and pattern recognition problems	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Computer Science	Duffany, Jeffrey	Soto, Philippe	The effect of the mini-batch size on deep neural networks training	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Competitiveness	Nieves, Rafael	Nazario Lazo, Ramonita	Assessing the Need for Guidance Documents for Suppliers to the Life Sciences, Regulated Industry: Small Suppliers Perspective	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science In Manufacturing Engineering	González Miranda, Carlos J.	Vera Mecicano, Hebben K	Design of the Mechanical Recycling Process for Polyethylene Terephthalate Bottles Using the Lean Manufacturing Methodology in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Computer Engineering	Torres Batista, Nelliud D.	Soler Rosado, Xavier	Understanding Smartphone Authentication: A Qualitative and Quantitative Study about User Perception of Security and Authentication on Smartphones	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Landscape Architecture	Rodríguez, Marisabel	Carrasquillo Hernández, Franchesca M.	Corredores Lúdicos y Ecológicos como recorrido didáctico en el contexto urbano	Thesis	REF GV62 .P9 S5 2017

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2017	Master of Landscape Architecture	Rodríguez, Marisabel	Casal Seibezzi, Arianna	Reacción en cadena: ciclovías de larga distancia	Thesis	REF HE336 .C92 C37 2017
	Master of Landscape Architecture	Rodríguez, Marisabel	Calderón Alonso, Agmarie	Adaptive barrier: the containing of an inmerse space	Thesis	REF HT395 .P93 S25 2017
	Master of Landscape Architecture	Rodríguez, marisabel	Colón Mulero, María Nené	Núcleos Ecolúdicos en Escuelas Elementales, Públicas y Urbanas, en proceso de adaptación a la filosofía Montessori	Thesis	REF LB3251 .C65 2017
	Master of Landscape Architecture	Rodríguez, Marisabel	Solla González, Jennifer	Paseos peatonales comerciales: paisaje omitido y desatendido en los cascos urbanos de Puerto Rico	Thesis	REF NA9074 .S65 2017
	Master of Landscape Architecture	Rodríguez, Marisabel	Rodríguez Rosas, Verónica	El Jardín terapéutico en los hogares de envejecientes en Puerto Rico	Thesis	REF RA998 .P9 R63 2017
	Master of Landscape Architecture	Angeira, Olga	Asencio, Carmen	Green infrastructure: alternate method for the sustainable handling of leachate in landfill systems located in the Northern Karst Region	Thesis	REF TD756.5 A84 2017
2016	Master of Science in Computer Science	Duffany, Jeffrey	Deliz Centeno, Gary L.	Public opinion on internet privacy: A Puerto Rico survey	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Electrical Engineering	González, Angel	Rashod Tompkins, Vicent	Electron optics simulation to verify the design and behavior of a plasma diagnostics tool via matlab	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Computer Engineering	Cruz, Alfredo	Abadía Ortiz, Raymond J.	Web tracking awareness and online privacy	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2016	Master of Science in Manufacturing Engineering	Nieves, Rafael	Rodríguez, María Judith	Development of strategy to reduce the new product launch time to market in medical device through quality by design (QBD) principles	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Computer Science	Duffany, Jeffrey	Rodríguez Espinosa, Lisabel	Federal email archiving and forensics	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Computer Engineering	Duffany, Jeffrey	Rivera Ayuso, Marcel	Extraction and visualization of sentiment information from twitter data	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
2015	Master of Science in Computer Engineering	González, Ángel	Abou El Seoud, Mohamed Khaled	Malware detection using Windows file header attributes	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Competitiveness	Nieves, Rafael	Medina-Plaza, Giovanni	Novel model development of a drug combined tablet using an osmotic controlled delivery system	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Suárez, Alejandro	González Cruz, Marangely	Alumina extraction through thermal activation of fly ash by sodium hydroxide	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Engineering	Pabón, Miriam	Meléndez Meléndez, Ángel	The laws in Puerto Rico analyzed by the Six Sigma Methodology (DMAIC)	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Engineering	Nieves, Rafael	Selpa-Rivera, David R.	Pharmaceutical manufacturing: Feasibility study for the detectability of cosmetic defects on plastic syringes during automatic inspection	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Computer Science	Cruz, Alfredo	Nieves Rodríguez, José F.	Genetic algorithm for cryptanalysis on the Vigenere cipher	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2015	Master of Science in Computer Engineering	Solá, Juan M.	Rivera Molina, David	Handling web page requests using writev() and sendfile() when transferring content of various sizes in Apache HTTP server	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
2014	Master of Science in Computer Engineering	Lizardo, Ángel	Asmar Awad, Rima	Automated clustering of malware variants based on structured control flow	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science In Manufacturing Engineering	Torres, Edgar	Colón Díaz, Elvia M.	Feasibility evaluation of Ion Mobility Spectrometry as process analytical technology (PAT) application for 2,4,6-Tribromoanisole (TBA) detection; Transition from wet to dry chemistry	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Electrical Engineering	Teixeira, Marvi	Vélez Rodríguez, William	Parallel implementation and benchmarking in cluster architectures of one-dimensional discrete fourier transforms: A comparison using the row-column algorithm versus a novel formulation based on the bluestein/pseudocirculant algorithm	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Engineering	Nieves, Rafael	Serrano-Mercado, Eileen I.	Medical diagnosis: An opportunity for quality improvement in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Computer Science	Duffany, Jeffrey	Dueño Ortiz, Bruno G.	Detection and analysis of man-in-the-middle attacks in windows 8 and windows 8.1	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2014	Master of Science in Electrical Engineering	Teixeira, Marvi	Vélez Rodríguez, William	Parallel implementation and benchmarking in cluster architectures of one-dimensional discrete fourier transforms: A comparison using the row-column algorithm versus a novel formulation based on the bluestein/pseudocirculant algorithm	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Computer Engineering	Duffany, Jeffrey	Morales Morales, Joel	Application of data mining to celular phone customer prediction	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Collazos, Omaira	López Santiago, Ernesto	An investigation of expanded polystyrene geofom mechanical properties	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Engineering	Torres, Edgar	Ríos Valentín, Elixandra E.	FDA Enforcement: Analysis of Current Trends in Pharmaceutical and Medical Device Industries and Development of Preventive Practices for Continuous Compliance	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Cruzado, Héctor J.	Martínez Jerez, Silvio R.	Effect of insulating concrete forms in concrete compressive strength	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Competitiveness	Nieves, Rafael	Duarte Uribe, María Fernanda	Development of a simple methodology for determination of the critical tamping force in a dual or multilayer tablets in GMP manufacturing area	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
2013	Master of Science in Manufacturing Engineering	Morales, José A.	Rosado Candelario, Dianelis	Preprocessing and post processing lead time study in Puerto Rico's industries	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Computer Science	Cruz, Alfredo	González Santiago, Nathaniel	Data mining social media networks for terrorist events indicators	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2013	Master of Science in Electrical Engineering	Vicente, Luis M.	Pedro L. Rivera Rivera	Wavelet transform for power disturbance classification	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Pacheco, Gustavo E.	Merejo, Andrea	Visual inspection and damage assessment guide for concrete buildings	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Villalta, Christian	López Rápalo, Dennis J.	Maximum potential of degradation of river bed based on stratigraphy: Aid for long-term degradation analysis	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Engineering	Torres, Edgar	Ortiz, Joaquín A.	Feasibility evaluation of antibody and vaccines using Needle-free injections as an alternative to hypodermic needle	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Engineering	Nieves, Rafael	Delgado Díaz, Carolyn G.	A guide for implementing Malcolm Baldrige criteria in math class in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Competitiveness	Nieves, Rafael	Díaz Arroyo, Ricardo Luis	Vitamin products GMP compliance, product quality, components, and contaminants investigation	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Competitiveness	Nieves, Rafael	Molina, Keila Y.	Development of a harmonized guide for aseptic processing to improve product quality and expedite international regulatory approval	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Collazos, Omaira	Guerra Machado, Lisell	Analysis of hydraulic conductivity and shear strength of clay-fly ash mixtures	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Computer Engineering	Duffany, Jeffrey	Pérez Cruz, Oscar A.	Generating Mobile Ad-Hoc Network Simulations through NS-3	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2013	Master of Science in Civil Engineering	Deschappelles, Bernardo	Santiago Santiago, Mireddy	Refined beam-column finite element with nine degrees of freedom	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Pacheco, Gustavo E.	Merejo, Andrea	Visual inspection and damage assessment guide for concrete buildings	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Deschappelles, Bernardo	Díaz Carrasquillo, Enrique	Non linear behavior of piles subjected to lateral loads	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
2012	Master of Landscape Architecture	Rodríguez Toledo, Marisabel	Sánchez Febres, Ricardo J.	El paisaje del intersticio: Recreando el balneario contemporáneo puertorriqueño en el siglo 21	Thesis	In process
	Master of Landscape Architecture	Rodríguez Toledo, Marisabel	Aristy López, Rita A.	The resurgence of the Quarries: Landscape parts unifying	Thesis	In process
	Master of Landscape Architecture	Rodríguez, Marisabel	Fret Vega, Luis Eduardo	(Re)interpretación de los estuarios en zonas urbanas	Thesis	In process
	Master of Landscape Architecture	Rodríguez, Marisabel	Bibiloni González, Carlos R.	(Re)engranaje del entorno ribereño en la desembocadura del río	Thesis	In process
	Master of Landscape Architecture	Rodríguez, Marisabel	Bauzá Cruz, Luis M.	Programación del vestibulo de la modernidad en Puerto Rico	Thesis	In process
	Master of Science in Manufacturing Competitiveness	Nieves, Rafael	Cruz Ortiz, Luis A.	Internal quality audits deployment status in the FDA regulated industries within Puerto Rico and the effect for enable corrective/preventive actions and continuous improvements	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2012	Master of Science in Manufacturing Competitiveness	Rodríguez, José	Santana Aponte, Jaime I.	Evaluation and assessment of the current use of CAPA tools in the regulated industry within Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Guzmán, Alberto	Rodríguez Burgos, Xavier	A refined steel beam-to-column moment connections study considering the effect of the ductility in the building response	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Guzmán, Alberto	González Sánchez, Nelson I.	Dynamic response of controlled structures considering the seismic waves propagation through soil stratus	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Deschappelles, Bernardo	Linares Ghigliotty, Wallison	Compression-bending interaction and spring horizontal stiffness in structural arches	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Computer Science	Valenzuela, Eliana	Caituiro Monge, Fátima	Distributed Task Framework for designing and implementing Decision Tree algorithms for mining large datasets	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Electrical Engineering	Vicente, Luis	Lugo Rodríguez, Aníbal	Code refactoring for a material science algorithm	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Computer Science	Duffany, Jeffrey	Moreno Ortiz, Juan C.	A methodology for assessing and securing an infrastructure from SQL injection	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Electrical Engineering	Vicente, Luis	Rodríguez Polanco, José Manue	Broadband beamformer frequency bin parallelization using Matlab	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2012	Master of Science in Computer Science	Cruz, Alfredo	Bonilla Zavala, Sandra L.	Development of a curriculum model for a Master Degree in Information Assurance and designation as a National Center of Academic Excellence in Information Assurance and Education (CAE/IAE)	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Competitiveness	Pabón, Miriam	Betancourt Quiles, Maritza	Dibasic calcium phosphate dihydrate, USP material compatibility with gamma radiation	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Pacheco, Gustavo E.	Font Torres, Reynaldo R.	The impact of building codes changes on the seismic requirement of multistory buildings	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Coll, Manuel	Rodríguez Pacheco, José Raúl	Validation of Integral Abutment Bridge design model	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Electrical Engineering	Vicente, Luis	Soto Pérez, Frankie A.	Robust mismatch beamforming algorithm analysis for a circular planar array geometry	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Engineering	Morales, José A.	Rivera De León, Oscar	A continuous improvement model for small businesses in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Collazos, Omaira	Rodríguez, Yamayra	Geotechnical characterization of fly ash and bottom ash from AES, Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Electrical Engineering	Vicente, Luis	Ponce Mojica, Eduardo M.	Asynchronous computing using CUDA on a Tesla C2050 GPU	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Electrical Engineering	Kettani, Houssain	Torres Santiago, Jesús	Towards increasing the efficiency of numerical simulations of Mott insulators	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2012	Master of Science in Computer Science	Kettani, Houssain	Borges Hink, Raymond Charles	BitPredator: A discovery algorithm for BitTorrent initial seeders and peers	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Deschappelles, Bernardo	Janer Meléndez, Eduardo J.	Axially loaded piles in nonlinear soil using Finite Element Analysis	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Electrical Engineering	Vicente, Luis M.	Collazo-Ortiz, Karlos E.	Parallel processing of small images using OpenMP	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Electrical Engineering	Vicente, Luis	Valle Laureano, Raúl	Speed optimization of the MVDR and DAS beamforming algorithms using data parallelization in MATLAB	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Competitiveness	Torres, Edgar	Álamo, José Juan	Study of the effects on formulation, manufacturing and critical environmental variables on drug release of ibuprofen from hydrophilic swellable matrices	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Electrical Engineering	Zaharov, Viktor	Palou, José	WiMAX network performance improvement with OFDM-MIMO technology	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Electrical Engineering	Teixeira, Marvi	Mangual Rodríguez, Osvaldo	Implementation and benchmarking of parallel cyclic convolution algorithms in clusters and multicore architectures	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Pacheco, Gustavo E.	Acosta Mercado, Ismael S.	Effects of the variation of curing temperature and water-cementitious material ratio in the maturity curve of concrete, applied for the prediction of its early age strength	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2012	Master of Landscape Architecture	Colón Izquierdo, Edmundo	Berrios Rodríguez, Giovanna R.	Urban Cemeteries of the Puerto Rican Shore: Heterotopics enclave of urban regeneration	Thesis	REF RA630 .P92 B47 2012
2011	Master of Landscape Architecture	Rodríguez, Marisabel	Roque Meléndez, Sheiley M.	El "Escondite" de los ríos de la montaña como catalítico para formalizar la recreación montañosa	Thesis	In process
	Master of Landscape Architecture	Rodríguez, Marisabel	Negrón Vargas, Yackxel G.	Estractos evanescentes del paisaje costero de las salinas	Thesis	In process
	Master of Science in Civil Engineering	Deschappelles, Bernardo	Rosa Ávila, Raymond	Development of a pre-processor and post-processor for FORTRAN-based structural engineering programs	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Landscape Architecture	Lorenzo, José	Acevedo González, Madeline	[Re] construction of the mountain landscape: Camp Guajataka	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Deschappelles, Bernardo	Falconí López, Heraldo Antonio	Finite element solution of the warping torsion using the equivalent beam-column analogy in multi-span beams	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Engineering	Nieves, Rafael	Gutiérrez Vélez, José A.	Development of an experimental methodology at the tablet compression stage based on Quality by Design principles	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Pimenta, Aluisio	De la Cruz Montañez, Yulianna	Multi-sectorial, spatially and temporary adaptable technical guide and simulative design application for rainwater harvesting	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2011	Master of Science in Electrical Engineering	Vicente, Luis	Lebrón Figueroa, Ángel G.	Analysis of different robust methods for linear array beamforming	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Competitiveness	Rodríguez, José	Ortiz Colón, Anayansi	Lean manufacturing/management deployment status in manufacturing companies within Puerto Rico and the effect in strengthening manufacturing sector in the island	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Computer Engineering	Rodríguez, Othoniel	Ettiene Matos, José	In depth research to reveal a peer to peer (P2P) botnet life cycle	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Landscape Architecture	Lorenzo, José	Fletes Monroy, Lourdes M.	Revitalization of the industrial vestiges in the coastal landscape of Puerto Rico case of Sugar and Honey Pier in Aguadilla	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Landscape Architecture	Colón, Edmundo	Benero Rivera, Ricardo J.	Reframing coastal urban fronts	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Pacheco, Gustavo E.	Rivera Martínez, Joel E.	Interactive visual aid tool for the tridimensional stress state analysis of statically loaded elements	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Landscape Architecture	Colón, Edmundo	Rodríguez González, Yesenia	The multispatial landscape in the suburban avenue	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Landscape Architecture	Lorenzo, José	Díaz Vázquez, Elia E.	Secondary landscapes	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Landscape Architecture	Rodríguez, Marisabel	Vázquez Díaz, Mayra E.	Emerging landscapes: Landscapes as seen from the road	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2011	Master of Science in Electrical Engineering	Teixeira, Marvi	De Jesús Rosario, Miguel A.	Applications of the Nonuniform Discrete Fourier Transform in time-frequency analysis, beamforming, and null synthesis	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Landscape Architecture	Lorenzo, José	Mojica Riutort, Mariely Y.	Working with brownfields: Reuse of sugar mill landscapes in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Landscape Architecture	Colón, Edmundo	Airando Torres, Marcel	Endemic ruins: a reference in the landscape	Thesis	REF GF91 .P8 A37
	Master of Landscape Architecture	Colón, Edmundo	Airando Torres, Marcel	Endemic ruins: a reference in the landscape	Thesis	REF GF91 .P8 A37 c.2
	Master of Landscape Architecture	Torres, José Lorenzo	Faría Vega, Sigfredo E.	Recreación oficiosa: respuesta civil de alto rendimiento a las necesidades locales de esparcimiento	Thesis	REF GV191.48 .P8 F37
	Master of Landscape Architecture	Colón, Edmundo	Rodríguez González, Yesenia	The multispatial landscape in the suburban avenue	Thesis	REF HE359 .P95 G8 2011
	Master of Landscape Architecture	Rodríguez, Marisabel	Bingen Canales, Mery M.	Gastronomic destinations: sustainable itineraries	Thesis	REF HT443 .P8 B56
	Master of Landscape Architecture	Rodríguez, Marisabel	Bingen Canales, Mery M.	Gastronomic destinations: sustainable itineraries	Thesis	REF HT443 .P8 B56 c.2
	Master of Landscape Architecture	Rodríguez Toledo, Marisabel	Overby Jendi, Gisela Evelyn	Urban Imperviousness: the effect of shopping centers on the imbalance between the green and grey infrastructures in the San Juan Metropolitan Zone	Thesis	REF NA6218 .O84 2011

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2011	Master of Landscape Architecture	Rodríguez, Marisabel	Sánchez Nieves, Roberto	Arroyo's costal revitalization project	Thesis	REF NA9157 .A77 S26
	Master of Landscape Architecture	Rodríguez, Marisabel	Sánchez Nieves, Roberto	Arroyo's costal revitalization project	Thesis	REF NA9157 .A77 S26 c.2
2010	Master of Landscape Architecture	Rodríguez, Marisabel	Burgos López, Cynthia Michelle	Places without register: The new stages of cultural events	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Landscape Architecture	Rodríguez, Marisabel	Rosado Flores, Rafael Iván	Metropolitan fission: Landfills in disuse and their fusion with the built environment	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Landscape Architecture	Rodríguez, Marisabel	Rivera Méndez, Tadiika M.	Natural environment of elementary / middle schools of Puerto Rico: Latent giants waiting for a natural revitalization	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Landscape Architecture	Rodríguez, Marisabel	Febo Casiano, Gabriel	[Re]articulating the communitarie anomie at the estuarine shores	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Landscape Architecture	Rodríguez, Marisabel	Díaz Bassat, Jazmín	Riverine scars in Puerto Rico: The abandoned values and the changes in the image of rivers in the collective memory of Puerto Ricans as a result of the development of its surroundings	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Deschappelles, Bernardo	Rodríguez Martín, Javier A.	A refined rectangular plane stress element for steel shear plate analysis	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Computer Science	Berkling, Kay	Vega Canella, Luis M.	Periphery phonemes as features for speaker recognition	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2010	Master of Science in Computer Science	Cruz, Alfredo	Maldonado Mora, Luis Janiel	A web-based courseware for the learning of database security	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Landscape Architecture	Rodríguez, Marisabel	Díaz Pagán, Edgar Javier	Unifocal envisioned landscape: Historical cemetery dissociation with its context and trifocal organization as a means to reinterpret the mortuary field in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Landscape Architecture	Rodríguez, Marisabel	Lugo Caro, Laura M.	Botanical sprawl: Reinterpreting borders at the botanical garden	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Competitiveness	De Cárdenas, Lourdes	Padín Hernández, Yolanda	Harmonization of purified water monographs and analytical methods of the United States, Europe and Japan pharmacopeias	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Engineering	De Cárdenas, Lourdes	Román, Luis A.	Characterization of particle size selectivity in visual inspection of parenteral products using container standards seeded with non-ideal particulate modeled by logistic regression	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Competitiveness	Nieves, Rafael	Colón Donato, Melvin	Leverage from factory acceptance test, site acceptance test, and commissioning into qualifications using a filler of a packaging line as a model in the pharmaceutical industry	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Museses, Auristela	Portalatín Rivera, Juan	Flood magnitude estimation for streams in Puerto Rico	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2010	Master of Science in Civil Engineering	Collazos, Omaira	Zürcher, Felix	Analysis of the effect of base soil permeability on pavement deterioration	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Landscape Architecture	Rodríguez, Marisabel	Ballester, Carola	Stream-city relationship: It's re configuration in light of urban redevelopment	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Civil Engineering	Pacheco, Gustavo E.	Echeandía González, Jorge J.	Lateral load distribution in multistory dual system buildings	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Manufacturing Competitiveness	Nieves, Rafael	Centeno Martínez, Ángel D.	Novel approach for the cleaning validation acceptance criteria calculation by a mathematical re-arrangement of available formulas	Thesis	ProQuest: Dissertations & Theses @ Universidad Politécnica Puerto Rico
	Master of Science in Computer Science	Lozano, Elio	Sánchez García, Daniel	Procedural Generation of Building Bluprints for Real –Time Applications.	Thesis	REF QA76.76 .C672 S26
	Master of Science in Civil Engineering	Guzmán, Alberto	Vagnetti, Paul J.	Steel beam-to-column moment connection: comparative studies of different types of moment connections	Thesis	REF TA660 .J64 2010
2009	Master of Science in Manufacturing Competitiveness	Morales, José Alberto	Maldonado Pérez, Gloryvee	Evaluation of near infrared technology utilization and applications in Puerto Rico pharmaceutical industry	Thesis	REF HD9670 .P82 M35 2009
	Master of Science in Manufacturing Competitiveness	Rodríguez, José	Díaz Fernández, Johanna.	Study on the perception of employees in performance evaluations and its impact on the productivity in the FDA regulated industry in Puerto Rico.	Thesis	REF HF5549.5 .M6 D53 2009

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2009	Master of Science in electrical Engineering	Farahat, Nader	Gómez Angulo, Rodney Andrés	Numerical techniques to analyze periodic structures	Thesis	REF QC666 .G66
	Master of Landscape Architecture	Rodríguez, Marisabel	Fowler, Sarah	Fragmented landscapes: reconnecting people and watersheds in northeastern Puerto Rico	Thesis	REF SB470.55 .P8 F69
	Master of Science in Manufacturing Competitiveness	Nieves, Rafael	Rivera Martínez, Rafael O.	Incidence of thermotolerant, thermophilic and coliform bacteria in raw milk found in cooling tank at the dairy farm in Puerto Rico	Thesis	REF SF257 .R58 2009
	Master of Science in Manufacturing Competitiveness	Morales, José A.	Álvarez Martínez, Enid.	Development and implementation of an operational methodology for a plasma research laboratory	Thesis	REF TA416.5 .P8 A48
	Master of Engineering in Civil Engineering	Guzmán, Alberto L.	Santiago Pagán, Pedro L.	Development of a geotechnical engineering software for deep and shallow foundations analysis and design within Matlab environment	Design Project	REF TA641 .S26
	Master of Science in Civil Engineering	Romero, Ricardo	Jackson, Iván. C	Contribution to the analysis of barrettes in older alluvial deposits of San Juan	Thesis	REF TA787 .J33 2009
	Master of Engineering in Manufacturing Engineering	López, Román	Pérez, Christian	Parenteral cleaning process water recovery system design for boiling operation	Design Project	REF TD429 .P47
	Master of Science in Manufacturing Engineering	Morales, José Alberto	Garnsey Hernández, Christie S.	Alternative use for biosolids generated by abiotechnology plant in Puerto Rico	Thesis	REF TD774 .G37 2009

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2009	Master of Science in Computer Science	Duffany, Jeffrey	Jiménez Ramos, Víctor	Extending the Linux firewall for high performance networks	Thesis	REF TK5105.59 .J56 2009
	Master of Science in Electrical Engineering	Farahat, Nader	Lugo Obando, Katherine	Directivity enhancement in low profile antenna/superstrate composites	Thesis	REF TK7871.6 .L84
	Master of Science in Electrical Engineering	Zaharov, Viktor	Ortiz Mercado, Jorge A.	Radio channel estimation in cellular communications with smarth antennas	Thesis	REF TK7871.67 .A33 O78
	Master of Science in Computer Science	Berkling, Kay	Géigel, Arturo	Combining phones, syllable and phonological features in speech recognition using neural networks	Thesis	REF TK7882 .S65 G45 2009
2008	Master of Engineering in Manufacturing Engineering	Rivera, José O.	Reyes Aponte Ivette C.	Integrating Customer's Opinion in the Supply Chain of Pharmaceutical and Chemical Industrial in Puerto Rico	Design Project	REF HD38.5 R49
	Master in Manufacturing Competitiveness	Pons, Carlos	Molina del Río, Sandra	A study of the individual leadership and its relation with individual job performance within the quality department in a pharmaceutical company	Design Project	REF HD57.7 .M65
	Master of Science in Manufacturing Competitiveness	Pons Fontana, Carlos	Sepúlveda, Josefina	Analysis of the Relationship Between Organizational Culture and Service Inter Groups in the Quality Department of a Biotechnology Company	Thesis	REF HD58.7 .S46
	Master in Manufacturing Competitiveness	Zárate, Patricia	Rodríguez Camacho, Giovanni	Optimization of a bread making process applying lean manufacturing	Design Project	REF HD9058 .B74 R6
	Master of Engineering in Manufacturing Engineering	Rodríguez, José	Cartagena Rubio, Hilda R.	Applying DMAIC methodology to liquid proactive delivery at re-order point (ROP)	Design Project	REF HD9581.2 .O9 C37 2008

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2008	Master of Engineering in Manufacturing Engineering	Ruiz, Alex J.	Giuliani Ortiz, Myreli	Bulk delivery cycle time reduction	Design Project	REF HD9665.5 .G58
	Master of Engineering in Manufacturing Engineering	Anzalone, Alessandro	Hernández Irizarry, César A.	Supervisory control and data acquisition system for a packaging line in a pharmaceutical company	Design Project	REF HD9665.5 .H47 2008
	Master of Engineering in Manufacturing Engineering	Pabón, Miriam	León Bonilla, Nilda G.	Waste reduction in a blister packaging line applying six sigma methodology	Design Project	REF HD9665.5 .L46
	Master of Engineering in Manufacturing Engineering	Morales, José A.	Ramos Aponte, Eddie C.	Lean six sigma application on a high mix/low volume electronic company	Design Project	REF HD9696 .A2 R36
	Master in Manufacturing Competitiveness	Rodríguez, José	Ortiz, Amaliz De L.	ISO 9001: 2000 internal quality audits: procedural vs process audit strategy/approach gap analysis	Design Project	REF HD9720.9 .A1 O7
	Master of Engineering in Manufacturing Engineering	López, Román	Rodríguez Meléndez, Ysandra Denise.	Health care mixing parameters control improvement	Design Project	REF HD9970.5 .C672 R63
	Master of Engineering in Manufacturing Engineering	Zárate, Patricia	Cárdenas Gómez, Yen Edwar	Lean-Sigma principles applied to a medical device industry and their impact on productivity	Design project	REF HD9994 .A2 C37
	Master in Manufacturing Competitiveness	Zárate, Patricia	Torres Bonilla, Alex E.	Lean implementation for the endoscopic [sic] vessel harvesting device (EVH) manufacturing line	Design Project	REF HD9995 .E53 T67
	Master of Science in Computer Science	Cruz, Alfredo	Olaya, Julio César	Clustering Hybrids: Genetic Algorithm Applied to K-Means and Fuzzy C-Means	Thesis	REF QA76.623 .O53

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2008	Master of Science in Computer Engineering	Berkling, Kay	Kiragiannis Collazo, Georgios A.	Towards a Model of Adaptive Prediction in Software Engineering	Thesis	REF QA76.76 .P74 K57
	Master in Manufacturing Competitiveness	Pesante, José A.	Alifonso Castro, Jorge Francisco	Discharge process improvement applying lean six sigma	Design Project	REF RA399 .A45 2008
	Master of Engineering in Manufacturing Engineering	Pesante, José A.	Quiñones Pellot, Sulley M.	Time reduction between triage and initial evaluation by general physician using lean six sigma	Design Project	REF RA975.5 .E5 Q56
	Master in Manufacturing Competitiveness	González, Carlos	Del Valle Rivera, Blanca D.	Implementation of lean six sigma to improve clinical laboratory service	Design Project	REF RB36.3 .Q34 BV3
	Master in Manufacturing Competitiveness	Morales, José A.	Rosado González, Itza	Process improvement in the chemistry area of a reference laboratory using lean six sigma	Design Project	REF RB36.3 .Q34 R67
	Master in Manufacturing Competitiveness	Morales, José A.	Rosado, William	Lean manufacturing application in a pharmaceutical finish product laboratory	Design Project	REF RS189 .R67
	Master in Manufacturing Competitiveness	Nieves, Rafael	González Candelario, Oscar E.	Feasibility of the change from high performance liquid chromatography (HPLC) to ultra performance liquid chromatography (UPLC) for the analytical dissolution method for one pharmaceutical product	Design Project	REF RS189.5 .H54 G66
	Master of Science in Manufacturing Competitiveness	Anzalone, Alessandro	Ríos Santos, Mayra M.	Study of Cellulose Acetate, Acetyl Content and Membrane Weight on the Release Rate of an Oral Osmotic System	Thesis	REF RS201 .C64 R56

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2008	Master of Engineering in Manufacturing Engineering	Anzalone, Alessandro	Pérez Cruz, Elmy Samuel	Upgrade of a tablet manufacturing automated system	Design Project	REF RS201 .T2 P47 2008
	Master in Manufacturing Competitiveness	Rodríguez, José	Agosto Cruz, Glenda L.	Creation of an FDA guidance: format and content for the stability annual report	Design Project	REF RS424 .A36
	Master in Manufacturing Competitiveness	Pesante, José A.	Colón Marrero, Liza Minelli	Improvements of technology transfer project plan using six sigma methodology	Design Project	REF T174.3 .C65
	Master of Engineering in Manufacturing Engineering	Pesante, José A.	Encarnación García, Luis A.	Optimization of lock-out tag-out program using the six sigma methodology	Design Project	REF T55 .O6 E53
	Master of Engineering in Civil Engineering	Pimenta, Aluisio	Morales Cuevas, Lourdes M.	La Plata Nuevo Water Treatment Plant Optimization	Design Project	REF TD233 .P8 .A52
	Master of Engineering in Civil Engineering	Pimenta, Alusio	Berríos Hernández, Néstor	Retrofitting the Yabucoa Wastewater Treatment Plant biological treatment process	Design Project	REF TD755 .B47
	Master in Manufacturing Competitiveness	Zárate, Patricia	González Torres, Carlos Rafael	Materials waste reduction in finished goods of a semi-solid over the counter (OTC) manufacturing company using lean tools	Design Project	REF TD897.847 .G66
	Master of Engineering in Civil Engineering	Pimenta, Aluisio	Contreras Silverio, Henry.	Sludge handling system at the Culebrinas water treatment plant	Design Project	REF TD899 .W3 C66 2008
	Master of Engineering in Civil Engineering	Alsaadi, Balhan A.	Álvarez Ibáñez, Andrés	Structural evaluation and seismic rehabilitation of a public school building	Thesis	REF TH1095 .A48 2008 REF TH1095 .A48 2008 PROJECT V.2

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2008	Master of Engineering in Manufacturing Engineering	Zárate, Patricia	Farías Jiménez, Luis H.	Site design process improvement using six sigma	Design Project	REF TH375 .F37
	Master of Science in Electrical Engineering	Fong, Benjamin	Cabrera Santiago, César	Performance Comparison of Nonlinear Controllers Using Quanser's Ball-and-Beam Plant	Thesis	REF TJ217.2 .C33
	Master of Engineering in Manufacturing Engineering	López, Román A.	Berroa Salvador, Julio César	Optimization of a gas turbine combustor assembly process	Design Project	REF TJ778 .B47 2008
	Master of Science in Civil Engineering	Coll, Manuel	González Cains, Omayra	Standard Design for the Puerto Rico Electric Power Authority Subtransmission Steel Poles.	Thesis	REF TK3242 .G65
	Master of Engineering in Manufacturing Engineering	Anzalone, Alessandro	Figueroa, Rafael	Condition monitoring and fault diagnostic characterization of an environmental stress screening system	Design Project	REF TK78.70.23 .F54
	Master of Engineering in Manufacturing Engineering	Anzalone, Alessandro	Matos Bonilla, Heilly R.	Implementation of near infrared spectroscopy for solvent recovery in line analysis using the six sigma methodology	Design Project	REF TP155.75 .M38 2008
	Master of Engineering in Manufacturing Engineering	Rodríguez, José	Rodríguez, Juan M.	Implementation of New Real-Time Particle Monitoring System in a Parenterals Aseptic Area	Design Project	REF TP248.25 .M65 R63
	Master of Engineering in Manufacturing Engineering	Zárate, Patricia	Buitrago Soto, Katerine	Release Cycle Time Reduction For Semi-Solids (Finished Products) at the Microbiology Area	Design Project	REF TS156.6 .B85
	Master of Engineering in Manufacturing Engineering	Pesante, José A.	Esteves Román, Ivelisse	Cycle Time Reduction for an Emergency Room Using Lean Six Sigma	Design Project	REF TS156.6 .E78

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2008	Master in Manufacturing Competitiveness	Pesante, José A.	Serrano Bernacet, José	Cycle time improvement in QA final batch record release	Design Project	REF TS156.8 .S47
	Master of Science in Manufacturing Engineering	Anzalone, Alessandro	Claudio Ayala, Carlos E.	Automating Supply Chain Material Flow in Pharmaceutical Industries using Fuzzy Logic	Thesis	REF TS158.4 .C52
	Master of Engineering in Manufacturing Engineering	Morales, José A.	Silva Figueroa, Pedro O.	Cost Reduction and Process Optimization in the Engineering Calibration Department Applying Demings PDCA Tool	Design Project	REF TS167 .S55
	Master of Science in Manufacturing Engineering	Rivera, José O.	Sánchez Paredes, Maureen J.	Assessment on Continuous Improvement Initiatives Adopted within the Manufacturing Industry in Puerto Rico and the Inclusion of Suppliers as a Strategy to Succeed	Thesis	REF TS176 .S25
	Master of Science in Manufacturing Competitiveness	Morales, José A.	Sánchez Luperón, Wilma Y.	Simplifying Documentation Flown in the Production Areas: Electronic Records Perspective	Thesis	REF TS178.2 .S25
	Master of Science in Manufacturing Competitiveness	Morales, José A.	Canales Villareal, Arleene	Study of Process Analytical Technology (PAT) Implementation in Puerto Rico's Pharmaceutical Industry	Thesis	REF TS183 .C35
	Master of Engineering in Manufacturing Engineering	Anzalone, Alessandro	De Hoyos, Celestino.	Process automation using a programmable logic controller	Design Project	REF TS183 .H69 2008
	Master of Engineering in Manufacturing Engineering	Pons, Carlos	González Hernández, Ismael	Equipment cleaning synchronization in formulation area: focusing on cleaning downtime	Design Project	REF TS191 .G66

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2008	Master of Science in Manufacturing Engineering	Zárate, Patricia	Martínez, Silvia I.	Practice of the OEE Indicator as a Tool to Measure and Improve Manufacturing Performance at Pharmaceutical Industries in Puerto Rico.	Thesis	REF TS192 .M37
	Master of Engineering in Manufacturing Engineering	Anzalone, Alessandro	Ortiz Tomei, Eriel	Design of a utilities data acquisition and remote monitoring system	Design Project	REF TS194 .O78 2008
2007	Master of Science in Manufacturing Competitiveness	Vega, Magaly	Ayala Báez, Damaris	Determination of the Optimum Diafiltration Parameters for the Removal of Citrate in Recombinant Human Erythropoietin Purified Bulk	Thesis	REF RM666 .E834 A92
	Master of Engineering in Manufacturing Engineering	Zárate, Patricia	Montesinos, Lilian	Split Tablet Reduction in Product Z	Design Project	REF RS200 .M65
	Master in Manufacturing Competitiveness	Zárate, Patricia	Hernández Gómez, Brenda L.	hangeover Time Reduction in a Compressing Machine Applying Lean Manufacturing Techniques	Design Project	REF RS210 .H47
	Master of Engineering in Manufacturing Engineering	Ruiz, Alex J.	Díaz Marrero, José A.	Relating Manufacturing Performance to Logistic Capabilities in Puerto Rico's Pharmaceutical Firms	Design Project	REF T58.8 .D53
	Master of Engineering in Manufacturing Engineering	Zárate, Patricia	Lara, Ingrid	Supplies Flow Optimization Applying Design Excellence	Design Project	REF T58.8 .L37
	Master of Engineering in Manufacturing Engineering	Zárate, Patricia	Zayas Hernández, Rubén	Cycle Time Reduction in a Specific Pharmaceutical Process	Design Project	REF T60.52 .Z39

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2007	Master of Science in Civil Engineering	Deschappelles, Bernardo	Soto Rosa Noé	Plate Bending Analysis using a New Finite Element with 17 DOF. Including 5 Non-Nodal.	Thesis	REF TA418 .S68
	Master of Science in Civil Engineering	Guzmán, Alberto	Rodríguez González, Omar R.	Study of the effects of Plasma Source Ion Nitriding on ASTM A615 Steel Reinforcement Bars	Thesis	REF TA683.42 .R63
	Master of Engineering in Manufacturing Engineering	Anzalone, Alessandro	Carrasquillo López, Rafael A.	Automatic PH Control for a Pharmaceutical Facility's Wastewater Treatment Plant	Design Project	REF TD747.9 .C37
	Master of Science in Electrical Engineering	Texeira, Marvi	Rodríguez Castellano, Yamil I.	Design, Analysis and Implementation of Parallel Cyclic Convolution Algorithms Based on Pseudocirculant Matrices	Thesis	REF TK5102.9 .R63
	Master of Science in Electrical Engineering	Farahat, Nader	Carrión Ruiz, José J.	Numerical modeling of axially-symmetric structures using finite difference time domain method of bodies of revolution.	Thesis	REF TK7871.6 .C27
	Master of Engineering in Manufacturing Engineering	Anzalone, Alessandro	Mangual García, Francisco J.	Ethanol Concentration Measurement Automation	Design Project	REF TP248.25 .A96 M35
	Master of Engineering in Manufacturing Engineering	Ruiz, Alex J.	Rivera Fazzi, Ángel	Design of an Incentive System that Supports the Lean Manufacturing Initiatives in the Textile Industry in Puerto Rico	Design Project	REF TS1449 .R58
	Master in Manufacturing Competitiveness	Morales, José A.	Colón Matos, Daisy M.	Optimizing the Supply Chain for a Solid Pharmaceutical Product in the Laboratory	Design Project	REF TS155.8 .C65

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2007	Master in Manufacturing Competitiveness	Morales, José A.	Reyes Santos, Lesbia	Transition of the Forecast Demand to Kanban Process in a Pharmaceutical Industry	Design Project	REF TS157.4 .R49
	Master of Science in Manufacturing Engineering	Anzalone, Alessandro	Rivera, Elsa M.	Electronic Batch Record Implementation Success Rate in Puerto Rico's Pharmaceutical Finished Goods Manufacturing Operations.	Thesis	REF TS158 .R59
	Master of Science in Manufacturing Engineering	Anzalone, Alessandro	Vicens Otero, Juan A.	State of Site Automation Survey for Oral Dosage Manufacturing Plants in Puerto Rico	Thesis	REF TS158.6 .V54
	Master in Manufacturing Competitiveness	Morales, José A.	Bruno Álamo, Luz E	Minimize Cost and Waste of Reference Standard Development an Adequate Inventory Model	Design Project	REF TS161 .B78
	Master of Science in Manufacturing Engineering	Ruiz Torres, Alex J.	Santiago, Pedro I.	An Optimal Batch Size Model for the Pharmaceutical Industry, with Products Campaigns, Set-up within and between Campaigns, Release Time and Release Cost	Thesis	REF TS167.S35
	Master of Engineering in Manufacturing Engineering	Anzalone, Alessandro	Mercado Miranda, Juan R.	Implementation of an Enviromental Monitoring System EMS Enhancement Module	Design Project	REF TS170.5 M47
	Master of Engineering in Manufacturing Engineering	Morales, José A.	Seda Toro, Lissette	Printed Circuit Board Assembly Quality Process Improvement	Design Project	REF TS180 .S43
	Master of Science in Manufacturing Engineering	Pabón, Miriam	Lausell, Emiliano	The Psychophysical and Biomechanical Effects of Replacing the Sagital Handling of Loads with a Lateral handling of Loads Through the Use of Ergonomic Tools	Thesis	REF TS180.5 .L28

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2007	Master of Engineering in Manufacturing Engineering	González, Carlos	Pomales Betancourt, Norma	Warehouse Layout Design for a Distribution Center	Design Project	REF TS189.6 P65
2006	Master of Science in Manufacturing Competitiveness	Vega, Magaly	López Rivera, Yamir M.	Development of a Blending Process For a Low Dose New Drug Candidate Using a Bin Blender System And Evaluation of Physicochemical Properties of Product When Adding a Milling/Deagglomeration Step 2006	Thesis	REF RS199.5 .L6 2006
	Master of Science in Manufacturing Engineering	Vega, Magaly	Parrilla Quiñones , Rebecca	The Dynamics of Technological Innovation in the Puerto Rico Pharmaceutical Industry Using the Process Analytical Technology (PAT) Initiative as an Example 2006	Thesis	REF T173.8 .P3 2006
	Master of Engineering in Manufacturing Engineering	González, Carlos	Semidei Camacho, María E.	Development of a Project Management Methology for a Financial Office 2006	Design Project	REF T56.8 .S4 2006
	Master of Engineering in Manufacturing Engineering	Pesante, José A.	Vélez Ríos, Damaris	Application of Six Sigma Tools to Improve a Resistance Spot Welding Manufacturing Process	Design Project	REF TA156.6 .V45
	Master of Engineering in Civil Engineering	Almánzar, Leonel	Ortiz Pérez, Jegsal Rubén	Full-Scale Test of Hallow-Core Slabs Subject to Flexural Stress and a Study of Instantaneous Deflections 2006	Design Project	REF TA660 .O7 2006
	Master of Engineering in Civil Engineering	Romero, Ricardo J.	Ramos Lebrón, Emmanuel	Reliability-Based Design for the Stability of a Soil Nail Wall in the Municipality of Naranjito, Puerto Rico 2006	Design Project	REF TA683.5 .W34 R3 2006

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2006	Master in Manufacturing Competitiveness	Anzalone, Alessandro	Padilla Santisteban, Brenda Eunice	Evaluation of heating, ventilating and air conditioning (HVAC) systems compliance with current validation standards	Design Project	REF TD883.17 .P33 2009
	Master in Manufacturing Competitiveness	Morales, José A.	Ramos Cortés, María del Rosario	Waste Reduction in a Pharmaceutical Industry Packaging Line for Solid Products Applying Six Sigma Tools 2006	Design Project	REF TD897.847 .R35 2006
	Master of Science in Electrical Engineering	Zaharov, Viktor	Morales Morales, Leandro	Beamforming Algorithm and Processor Development for Smart Antenna in Wireless Communications	Thesis	REF TK5103.452 M6 2006
	Master of Engineering in Manufacturing Engineering	Morales, José A.	Colón Villalobos, Luis M.	Refrigeration Leak Reductions	Design Project	REF TP492.7 .C6 2006
	Master in Manufacturing Competitiveness	Zárate, Patricia	Balaguer Álvarez, Víctor R.	A Survey of the State of Lean Production System in P.R.'s Manufacturing Industries	Design Project	REF TS155 .B35
	Master in Manufacturing Competitiveness	González, Carlos	Veguilla de Jesús, William	Implementation of Visual Control System in a Manual Assembly Line of Medical Devices 2006	Design Project	REF TS155 .V4 2006
	Master of Engineering in Manufacturing Engineering	Aponte, José	Burgos Román, Danilo	Scrap Reduction Design Project 2006	Design Project	REF TS155.7 .B8 2006
	Master in Manufacturing Competitiveness	Ruiz, Alex	Rodríguez Hernaiz, Luis E.	Application of Six Sigma Tools for Improvement of Drug Z Testing Operations 2006	Design Project	REF TS156 .R64 2006
	Master of Science in Manufacturing Competitiveness	Morales, José A.	Morales Padilla, Arleen M.	Requirements for a Good Supplier Qualification Program 2006	Thesis	REF TS156.6 .M6 2006

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2006	Master of Engineering in Manufacturing Engineering	Pesante, José	Negrón de Jesús, Israel	Material Acceptance Process Lead Time Reduction 2006	Design Project	REF TS156.8 .N4
	Master in Manufacturing Competitiveness	Zárate, Patricia	Castro Pagán, José	Streamline Finished Goods Testing as a Waste and Cost Reduction Strategy	Design Project	REF TS167 .C3 2006
	Master in Manufacturing Competitiveness	Carporali, Sergio	Rivera Martínez, Orlando	Ergonomic Evaluation of Double Handle Tools: An Electromyography Study 2006	Design Project	REF TS175 .R5 2006
	Master of Engineering in Manufacturing Engineering	Anzalone, Alessandro	Rosado Jiménez, Vilma A.	Mechanical Redesign Implementation in a Biotechnology Plant 2006	Design Project	REF TS181 .R6 2006
	Master of Science in Manufacturing Competitiveness	Feliú Báez, Rosamari	Padín Muñiz, Wilfredo	Assesment of P.R. Pharmaceutical Companies, Pharmacies & Suppliers Readiness with Respect to Drug and Packaging Anticounterfeiting Initiatives 2006	Thesis	REF TS196 .P3 2006
	Master of Engineering in Manufacturing Engineering	Pabón, Miriam	Ortiz Rodríguez, Marieli	Compression Stage Optimization for Product X through the Evaluation of Compression Tooling and Compression Parameters 2006	Design Project	REF TS198 .P7 O7 2006
	Master of Science in Manufacturing Engineering	Anzalone, Alessandro	Menéndez-Conde Escobar, Beatriz	Detection of Particle Presence inside Glass Containers Using Ultrasonic Measurements 2006	Thesis	REF TS198.3 .G5 M4 2006
	Master of Engineering in Manufacturing Engineering	Pabón, Miriam	García Cartagena, José Luis	Introduction of New Technology to Bond Cores	Design Project	REF TS718 .G3 2006

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2005	Master of Engineering in Manufacturing Engineering	Torres, Alex Ruiz	Lozada Ortiz, José F.	To Design a business Continuity Planning Guidelines for Pharmaceutical Manufacturing organizations Regulated by Food and Drugs Administration 2005	Design Project	REF RS189 .L6
	Master of Engineering in Manufacturing Engineering	Deschapelles, Bernardo	González Muñoz, Mariselle	Pharmaceutical Solids: Facility Close Out and Product Transfer 2005	Design Project	REF RS199 .G6
	Master in Manufacturing Competitiveness	González, Carlos	Gracia Rosado, Carmen M.	Capacity Planning for a Pharmaceutical Quality Control Laboratory	Design Project	REF T175.5 .G72
	Master of Science in Civil Engineering	Deschapelles, Bernardo	Rivera Vargas, Juan G.	A Second Order Analysis Using a New Finite Element for Beam-Column Design 2005	Thesis	REF TA660 .B4 R5
	Master of Science in Civil Engineering	Deschapelles, Bernardo	Corraliza Roque, Sigfredo.	Determination of the Site Soil Dynamic Response Over Sedimentary Layered Deposits in the San Juan Metropolitan Area	Thesis	REF TA705.4 P8 .C6 REF TA705.4 .P8 C6 CD
	Master of Science in Civil Engineering	Collazo, Omayra	Sánchez Zayas, Evelyn M.	Automation for the Drinking Water Industry 2002	Design Project	REF TA710.5 .S2 2005
	Master of Engineering in Manufacturing Engineering	Morales, José A.	Rivera Cuevas, Marian	Sanitization Methods Comparison for Pharmaceutical Purified Water Systems 2005	Design Project	REF TD441 .R5 2005
	Master of Engineering in Civil Engineering	Coll, Manuel	Quiñones Maymí, Carlos J.	Determination of Load Capacity of a Reinforced Concrete Slab Bridge Through Load Testing 2004	Design Project	REF TG305 .Q56 (C.1 C.2)

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2005	Master of Science in Civil Engineering	Almánzar, Leonel	Suárez Alvarado, Luis F.	Comparison of Bridge Design Per AASHTO LFD Using the HS 30 Live Load Model and ASSHTO LRFD Using the HL 93 Live Load Model 2005	Design Project	REF TG310 .S8
	Master of Engineering in Manufacturing Engineering	Morales, José A.	Rivera Falcón, Patricia	Modification of Microfiltration and Chromatography Systems to Concentrate and Recovered Cells in a Biotechnology Process 2005	Design Project	REF TP156 .C5 R5
	Master in Manufacturing Competitiveness	Morales, José A.	Koett Rosas, Rita E.	Impact of the Talc Concentration Over the Properties of the Gum Base Plastograph Results 2005	Design Project	REF TP156 .R45 K6
	Master of Engineering in Manufacturing Engineering	Morales, José A.	López Pérez, Maritza	Tablet Press Facility Design Improvement and Start-Up 2004	Design Project	REF TP159 .C57 L6
	Master of Engineering in Manufacturing Engineering	Pabón, Miriam	Marte Rolón, Julia I.	Increase Production Capacity in Tablet Compressing Machine 2005	Design Project	REF TP159 .C57 M3
	Master of Engineering in Manufacturing Engineering	Pabón, Miriam	Sotomayor Cerezo, Beliza	Valuation and Replacement Plan of Tank's Level Transmitters 2005	Design Project	REF TP205 .S85 S6
	Master of Science in Manufacturing Engineering	Pesante, José A.	Colón González, Carlos	Applying Rotary Technology to the Bottle Filling Process for Solid Dosage Form in the Pharmaceuticals Industries	Thesis	REF TP660 .C65
	Master of Engineering in Manufacturing Engineering	Anzalone, Alessandro	Castro Haedo, José A.	Standarized Documentation for the Automatized Process Didacting System De Lorenzo 2314	Design Project	REF TS156.8 .C3 2005

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2005	Master of Engineering in Manufacturing Engineering	González, Carlos	López Ríos, Wilberto	Process and instrumentation Design of a Ventilation and Air Conditioner System for Improvements in Pharmaceutical Rooms 2005	Design Project	REF TS177.L6
	Master of Science in Manufacturing Engineering	Ruiz, Alex J.	Martínez Quiles, Ivellise	An Examination of the Single Row Machine Layout Problem Using Computer Simulation 2005	Thesis	REF TS178 .M37 2005
	Master of Science in Manufacturing Engineering	Ruiz, Alex J.	Martínez Quiles, Idellyse	An Examination of the Single Facility Location Problem; Three Method Comparison 2005	Thesis	REF TS186 .M3 (Contiene CD)
	Master in Manufacturing Competitiveness	Morales, José A.	Rodríguez López, Luz E.	Improvement of Encapsulation Manufacturing Process Through the Reduction of the Sulfate Impurity 2005	Design Project	REF TS198 .C33 R6
	Master of Science in Manufacturing Engineering	Feliú, Rosamari	Vargas Quiles, Carlos Tomás	Bottle-Closure System Alternatives for Compliant, Child Resistant and Senior Friendly Packaging 2006	Thesis	REF TS198 .C46 V3 2005
	Master of Science in Manufacturing Competitiveness	Feliú Báez, Rasamari	García Rivera, Luis S.	Effects of Flame Treatment on Polyethylene Voltees Used in Induction Seal Process	Thesis	REF TS198 .P7 G2
	Master of Engineering in Manufacturing Engineering	Pesante, José	Ramos Torres, Syndia	Improvement in the Coating Area 2005	Design Project	REF TS198.3 .C6 R3
	Master in Manufacturing Competitiveness	González, Carlos	Carrasquillo Rivera, Nancy	Design of Parametric Release System for Ultrasonic Welding Process 2005	Design Project	REF TS228.92 .C27

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2004	Master of Science in Manufacturing Competitiveness	Vega, Magaly	Sánchez Miele, Aimee	Photostability Study in New Drug Product 2004	Thesis	REF RS424 .S25
	Master of Science in Civil Engineering	Altayeb, Balhan	Suero Inoa, Rafael Andrés	Retrofitting of Reinforced Concrete Structure Using Carbon Fiber Reinforced Polymer, Experimental and Analytical Study	Thesis	REF TA455 .R58 S8 2004
	Master of Science in Manufacturing Competitiveness	Morales, José A.	Vidró Martínez, Keyla J.	Water Recycle and Reuse System for Confectionary Industry 2004	Thesis	REF TD429 .V5
	Master of Engineering in Manufacturing Engineering	Morales, José A.	Fernández Rodríguez, Gira M.	Modification of and Ester Recovery System to Process an Alcohol from a Mother Liquors Stream	Design Project	REF TP156 .D4 F4
	Master of Science in Manufacturing Engineering	Vega, Magaly	Alvarado Mercado, Limaris	Effectiveness of Formulation Tanks Cleaning Using CIP Units Program Without Detergent for The Removal of Protein Based Product Residual After Their Manufacturing Use 2004	Thesis	REF TP690.8 .A59
	Master in Manufacturing Competitiveness	Morales, José A.	Viana Rosado, Mildred	Automated Tracking System to Follow up Open Regulatory Action Plans 2004	Design Project	REF TS156.2 .V5
	Master of Science in Manufacturing Engineering	Vega, Magaly	Peñaloza Arroyo, Ayrin	A Guide for the Implementation of Post Approval Changes in Analytical Procedures for Excipients 2004	Thesis	REF TS1568 .P45 2004
	Master of Engineering in Manufacturing Engineering	Pabón, Miriam	Fadul Martínez, Sonia	Subjective Perceptions and Biomechanical Analysis of Backpack Loads on 8th and 9th Grade Students in a Private School in Puerto Rico	Design Project	REF TS175 .F3

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2004	Master of Science in Manufacturing Engineering	Pérez, Noel	Morales Marco, Guillermo J.	Automation of a Manual Assembly Process for a medical devices manufacturing facility in Puerto Rico 2004	Thesis	REF TS178.4 .M6
	Master of Engineering in Manufacturing Engineering	Morales, José A.	Cruz Cordero, Yamilda E.	Material Handling Systems Evaluation in Chemical Plant	Design Project	REF TS180.8 C5 C7 2004
	Master of Science in Manufacturing Engineering	Vega, Magaly	Flores Díaz, Maricel	Design of Centralized Particulate Monitoring and Alarm System for an Existent Containment Manufacturing Facility	Thesis	REF TS194 .F46
	Master in Manufacturing Competitiveness	Morales, José A.	Nieves Viera, Melitza	Transfer of Pharmaceutical Product in Encapsulation Equipment 2004	Design Project	REF TS198 .C33 N5 2004
2003	Master of Science in Manufacturing Engineering	González, Carlos	López Laviena, Luis R.	The Impact of the Port Americas in the Pharmaceutical Industry 2003	Thesis	REF HE414 .P8 P8
	Master in Manufacturing Competitiveness	Pabón, Miriam	Ortiz Rivera, Griselle Marie	A comparison of Fatigue Levels Between Laptop and Desktop Computer Use 2003	Design Project	REF TA167 .O7
	Master of Science in Civil Engineering	Deschapelle, Bernardo	Suárez Figueroa, Daniel	Plane Stress Analysis Using the Finite Element Method Base on a Rectangular Element with 34 Degrees of Freedom, 8 Nodal and 26 Non-Nodal 2003	Thesis	REF TA347 .F5 S8
	Master of Science in Civil Engineering	Vega, Magaly	González Viruet, Enrique M.	Non-Linear Finite Element Analysis of Reinforced Concrete Structures in Plane Stress Conditions 2003	Thesis	REF TA647 .G6

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2003	Master of Science in Civil Engineering	Deschapelles, Bernardo	Rivera Virella, Javier E.	36 Degrees of Freedom Thick Plate Bending Element Using Non-Nodal Reference Displacement 2003	Thesis	REF TA660 .P6 R5
	Master of Science in Civil Engineering	Deschapelles, Bernardo	Soto Rodríguez, César A.	General Procedure for Rectangular Thin Plate Bending Finite Element Method with 25 DOF and 24 DOF 2003	Thesis	REF TA890 .S6 (2 Copies) REF TA890 .S6 CD
	Master in Manufacturing Competitiveness	Vega, Magaly	Olazagasti Ledee, Suanilda	Hazard Analysis and Critical Control Point in Food Manufacturing 2003	Design Project	REF TP373.5 .O4
	Master of Engineering in Manufacturing Engineering	González, Carlos	Morales Fontanez, Grisel.	Automated Calculation of Analytical Methods Used in Pharmaceutical industries for Product Release 2003	Design Project	REF TS158.6 .M6
	Master of Science in Manufacturing Engineering	Deschapelles, Bernardo	Hayes Rodríguez, Francis J.	Manufacturing Equipment Requirements For a Solid Dosage Pharmaceutical Plant 2003	Thesis	REF TS196.4 .H3
	Master in Manufacturing Competitiveness	Morales, José A.	Santiago Nieves, Carlos R.	Application of Six Sigma Tools During Validation of a Packaging Line 2003	Design Project	REF TS196.4 .S2
	Master of Engineering in Manufacturing Engineering	González, Carlos	Quintana Rivera, William R.	Research and Development Model for a Medical Devices Manufacturing Facility in Puerto Rico 2003	Design Project	REF TS33 .P8 Q5
2002	Master in Manufacturing Competitiveness	López, Román	Pérez Ghigliotty, María A.	Supplier Certification Program for Electronics, Inc. 2002	Design Project	REF HD39.5 .P4 2002
	Master of Engineering in Manufacturing Engineering	Vega, Magaly	Pinto Pérez, Omayra	Optimization of a Polishing Process 2002	Design Project	REF RS199 .C63 P5

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2002	Master of Engineering in Manufacturing Engineering	Pérez, Madeline	Díaz Carroll	Technology Transfer Package for a Solid Oral Dosage Form	Design Project	REF RS200 .D5
	Master of Engineering in Manufacturing Engineering	Cruz, Rafael	Rivera Estela, Waleska	Automation for the Drinking Water Industry 2002	Design Project	REF T59.5 .R5
	Master of engineering in Civil Engineering	Deschappelles, Bernardo	Gauthier Santiago, Javier F.	Método General Para El Estudio De La Carga De Pandeo Global Flexo-Torsional A Nivel Elastico En Elementos De Paredes Delgadas Y Seccion Transversal Abierta	Thesis	REF TA656.2 .G3
	Master of Engineering in Manufacturing Engineering	Morales, José A.	Reyes Ruiz, Mirta M.	Design of Suspension Transfer System 2002	Design Project	REF TJ935 .R4
	Master of Science in Manufacturing Engineering	González, Carlos	Peña Díaz, Amarilys	Evaluation of Different Resins for the Extrusion of a Medical Device Burette Chambe 2002	Thesis	REF TP1175 .E59 P4
	Master of Science in Manufacturing Competitiveness	Vega, Magaly	Febres Arroyo, Mabel	Impact of a High Density Grade of Microcrystalline Cellulose in XX Blend	Thesis	REF TP1183 .M5 F4
	Master of Science in Manufacturing Engineering	Cruz, Rafael	Pérez López, Noel	Sterilization of IV Solutions Bags using Electrical Fields 2002	Thesis	REF TP156 .S8 P4
	Master of Engineering in Manufacturing Engineering	Cruz, Rafael	Fuentes Burgos, Brenda L.	Implementation of Assemble and Pack to Automate the Production Batch Record	Design Project	REF TS178.2 .F8
	Master of Engineering in Manufacturing Engineering	González, Carlos	Torres Plaza, Edgar	Innovative Improvement to Capsule-Filling Process Through Waste Reduction 2002	Design Project	REF TS198 .C33 T6

Year	Program / Department	Chairperson	Author	Title	Thesis / Project	Callnumber
2001	Master of Engineering in Manufacturing Engineering	González, Carlos	López Otero, José Francisco	Automation of Drinking Water Production System for Small Conventional Process Plants in Puerto 2002	Design Project	REF TD434 .L6
	Master of Science in Manufacturing Competitiveness	Pesante, José	Santiago López, Nelson	Improving Tensile Strength in Resistance Spot Welding Process Using Response Surface Methodology for Synchronous Controller Parameter Optimization 2002	Thesis	REF TK4660 .S2