FAU DEPARTMENT OF COMPUTER & ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

College of Engineering & Computer Science
Florida Atlantic University

PH.D. IN ELECTRICAL ENGINEERING WORKSHEET
FOR STUDENTS ENTERING FALL 2019 AND LATER

Name: Hector Lopez   Z#: 00021978   Advisor: Dr. Zilouchian, Ali

Date of Qualifying Exam: _____   Date of Admission to Candidacy: _____

Major: Electrical Engineering   Date of PhD Proposal Presentation*: 2022

Prerequisites

Laboratory 1 is mandatory. In addition, need to satisfy at least four more courses from the menu below

Course No.	Course Title	Actual Course Title if Not Taken At FAU	Where	Grade
CDA 3331C	Intro to Microprocessor Systems	Intro to Microcontrollers	(FAU 2006)	B+
EEL 3470	Electromagnetic Fields and Waves			B
EEE 4361	Electronics 2			B
EEE 4510	Introduction to Digital Signal Processing			B
EEL 4512	Communications Systems OR			C+
EEL 4652	Control Systems 1			A
EEL 4656	Analysis of Linear Systems			C
EEL 3118L	Laboratory 1 (Mandatory)			A

MS to PhD Requirements (for students entering with a Master's Degree)

Master's Credits (30):

Grade	Semester	Course Number/Name
A	SP 2014	EEL 6597 Wireless Personal Comm Systems
A	FA 2014	BME 6762 Bioinformatics
B	FA 2014	CAP 6010 Multimedia Systems
A	FA 2014	EEL 5500 Digital Comm. Systems
A	SP 2015	EEL 6819 Neural Compt / Artif Neural Networks
A-	SU 2015	EEL 5657 Control Systems 2
A-	SU 2015	EEL 6905 Human Action Detection
B-	FA 2015	EEL 5613 Modern Control
A	FA 2015	EEL 6935 Estimation Theory / App.
A-	SP 2011	508 16.508 Quantum Electronics for Eng (UMASS-Lowell)
A	SP 2012	16.520 Computer Aided EM Analysis (UMASS-Lowell)

Graduate Courses (21 credits):

Minimum of 12 credits must be Electrical Engineering courses. No more than 3 credits of Directed Independent Study may be used and the subject matter may not overlap the student's dissertation.

Grade	Semester	Course Number/Name	
		CGS 5937 Graduate Seminar (Mandatory, 0 credits)	
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A	SU 2017	EEL 6905	Battery Performance Analysis
B	SP 2018	CAP 6673	Data Mining & Mach Learning
B+	SP 2018	EEL 6935	Smart Antennas
A-	SU 2018	EEL 6935	Cyber Sec: Measure/Doom Analysis
A	FA 2018	EEL 6935	Smart Grid
A	SU 2019	EEL 5934	Intelligent Systems

Dissertation Credits (At least 33 credits):

Grade	Semester	Course Number/Name