Degree	t's Name		oman Sharif			stration		201837		
Degree Awarded: BS in Electrical Engineering Specialization: Power					Date Awarded:			05-Jul-2022		
Semester		Course No		CH Grade	SCH	SGP	SGPA	ССН	CGP	CGP
Fall	2018	CH101	Chemistry for Engineers	2 B-						
		CH161	Occupational Health & Safety	1 C+	4					
		CS101	Introduction to Computing	2 C-	-					
		CS101L	Introduction to Computing Lab.	1 C	4					
		HM101 ME101	English and Study Skills Workshop Practice	3 C 1 C	4					
		MT101	Calculus I	3 A-	4					
		PH101	Mechanics	3 B+						
		PH101L	Mechanics Lab	1 A-	1					
		TITIOIL	INCONTRINCO ECID	' ' '	17	45.68	2.69	17	45.68	2.69
Spring	2019	CS102L	Intensive Programming Lab	1 C	1					1
		HM102	Technical Report Writing	3 B-	1					
		ME102	Engineering Graphics	2 W	1					
		MM102	Introduction to Engineering Materials	3 B+	1					
		MM141L	Materials Lab I	1 B-	1					
		MT102	Calculus II	3 A-	1					
		PH102	Electricity and Magnetism	3 B	1					
		PH102L	Electricity and Magnetism Lab	1 B-						
					15	45.35	3.02	32	91.03	2.84
Fall	2019	EE211	Circuit Analysis I	3 B	1			1		
		EE211L	Circuit Analysis I Lab	1 B-	1			1	I	
		EE221	Digital Logic Design	3 B	1					
		EE221L	Logic Design Lab	1 B-						
		HM211	Pakistan and Islamic Studies	3 B						
		ME231	Thermodynamics I	3 B						
		MT201	Differential Equations and Linear Algebra I	3 B+						
			I=		17	51.33	3.02	49	142.36	2.91
Spring	2020	EE212	Electrical Network Analysis	3 B+	1					
		EE222	Microprocessor Systems	3 C+	4					
		EE222L	Microprocessor Systems Lab.	1 C+	4					
		EE231	Electronic Devices and Circuits	3 B+	-					
		EE231L	Electronics Devices and Circuits Lab.	1 B	-					
		ME102	Engineering Graphics	2 D+	4					
		MS291	Engineering Economics	3 C						
		EE251	Drobability Mathada in Engineering	2 D						
		EE251	Probability Methods in Engineering	3 B	10	10.06	2.63	68	102 32	2.83
Fall	2020				19	49.96	2.63	68	192.32	2.83
Fall	2020	EE313	Electric Machines	3 B-	19	49.96	2.63	68	192.32	2.83
Fall	2020	EE313 EE313L	Electric Machines Electric Machines Lab	3 B- 1 B+	19	49.96	2.63	68	192.32	2.83
Fall	2020	EE313 EE313L EE314	Electric Machines	3 B- 1 B+ 3 B-	19	49.96	2.63	68	192.32	2.83
Fall	2020	EE313 EE313L EE314 EE314L	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab.	3 B- 1 B+ 3 B- 1 B	19	49.96	2.63	68	192.32	2.83
Fall	2020	EE313 EE313L EE314	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization	3 B- 1 B+ 3 B- 1 B	19	49.96	2.63	68	192.32	2.83
Fall	2020	EE313 EE313L EE314 EE314L EE315	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab.	3 B- 1 B+ 3 B- 1 B 3 B+	19	49.96	2.63	68	192.32	2.83
Fall	2020	EE313 EE313L EE314 EE314L EE315 EE351	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems	3 B- 1 B+ 3 B- 1 B 3 B+ 3 B+	19	49.96	2.63	68	192.32	2.83
	2020	EE313 EE313L EE314 EE314L EE315 EE351 EE351L	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics	3 B- 1 B+ 3 B- 1 B 3 B+ 3 B+ 1 B	19	49.96	2.63	68	192.32	2.83
	2020	EE313 EE313L EE314 EE314L EE315 EE351 EE351L	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics	3 B- 1 B+ 3 B- 1 B 3 B+ 3 B+ 1 B						
Fall		EE313 EE313L EE314 EE314L EE315 EE351 EE351 EE351L HM322	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics	3 B- 1 B+ 3 B- 1 B 3 B+ 3 B 1 B 3 A						
		EE313 EE313L EE314 EE314L EE315 EE351 EE351L HM322	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems	3 B- 1 B+ 3 B- 1 B 3 B- 1 B 3 B+ 3 B+ 3 B 1 B 3 A						
		EE313 EE313L EE314 EE314 EE315 EE351 EE351 HM322 EE341 EE341L EE361 EE361	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Lab	3 B- 1 B+ 3 B- 1 B 3 B- 1 B 3 B+ 3 B 1 B 3 A						
		EE313 EE313L EE314 EE314L EE315 EE351 EE351L HM322 EE341 EE341L EE361	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Lab Communication Systems	3 B- 1 B+ 3 B- 1 B 3 B- 1 B 3 B+ 3 B 1 B 3 A						
		EE313 EE313L EE314 EE314 EE315 EE351 EE351 HM322 EE341 EE341L EE361 EE361	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Linear Control Systems Communication Systems Communication Systems Lab. Electromagnetics Fields and Waves	3 B- 1 B+ 3 B- 1 B 3 B- 1 B 3 B+ 3 B 1 B 3 A 3 B 1 B 3 B						
		EE313 EE314L EE314L EE315 EE351 EE351 HM322 EE341 EE341L EE361 EE361 EE371 HM321 PE351	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Linear Control Systems Communication Systems Communication Systems Lab. Electromagnetics Fields and Waves	3 B- 1 B+ 3 B- 1 B 3 B+ 3 B+ 3 B 1 B 3 A 3 B 1 B 3 B 1 B 3 B						
		EE313 EE313L EE314L EE314L EE315 EE351 EE351L HM322 EE341L EE341L EE361 EE361L EE371 HM321	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Linear Control Systems Communication Systems Communication Systems Electromagnetics Fields and Waves Sociology and Human Behaviour	3 B- 1 B+ 3 B- 1 B 3 B+ 3 B+ 3 B 1 B 3 A 3 B 1 B 3 B 1 B 3 B 1 B 3 A 3 B						2.89
Spring	2021	EE313 EE313L EE314L EE314L EE315 EE351 EE351L HM322 EE341 EE341L EE361L EE361L EE361L EE371 HM321 PE351	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Lab Communication Systems Communication Systems Electromagnetics Fields and Waves Sociology and Human Behaviour Power System Analysis Power System Analysis Lab	3 B- 1 B+ 3 B- 1 B 3 B+ 3 B+ 3 B 1 B 3 A 3 B 1 B 3 A 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 1 B 3 B						
		EE313 EE313L EE314L EE314L EE315 EE351 EE351L HM322 EE341 EE341L EE361L EE361L EE371 HM321 PE351 PE351L	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Lab Communication Systems Communication Systems Lab. Electromagnetics Fields and Waves Sociology and Human Behaviour Power System Analysis Power System Analysis Lab	3 B- 1 B+ 3 B- 1 B 3 B+ 3 B+ 3 B 1 B 3 A 3 B 1 B 3 A 3 B 1 B 3 A 3 B 1 B 3 A 3 A 3 A 3 B 1 B 3 A 3 A 3 A 3 A 3 B	18	56.34	3.13	86	248.66	2.89
Spring	2021	EE313 EE313L EE314L EE314L EE315 EE351 EE351L HM322 EE341 EE341L EE361 EE361L EE371 HM321 PE351 PE351L EE351L	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Linear Control Systems Lab Communication Systems Communication Systems Lab. Electromagnetics Fields and Waves Sociology and Human Behaviour Power System Analysis Power System Analysis Lab Senior Design Project (Part I) Entrepreneurship and Marketing	3 B- 1 B+ 3 B- 1 B 3 B+ 3 B+ 3 B 1 B 3 A 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 A 3 B 1 B 3 A 3 A 3 A 3 B	18	56.34	3.13	86	248.66	2.89
Spring	2021	EE313 EE314 EE314 EE314 EE315 EE351 EE351 HM322 EE341 EE361 EE361 EE361 EE361 EE361 EE371 HM321 PE351 PE351 PE351 PE351	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Linear Control Systems Lab Communication Systems Lab. Electromagnetics Fields and Waves Sociology and Human Behaviour Power System Analysis Power System Analysis Lab Senior Design Project (Part I) Entrepreneurship and Marketing High Voltage Engineering	3 B- 1 B+ 3 B- 1 B 3 B+ 3 B+ 3 B 1 B 3 A- 3 B 1 B 3 A- 3 B 1 B 3 A- 3 B 1 B	18	56.34	3.13	86	248.66	2.89
Spring	2021	EE313 EE313L EE314 EE314 EE314 EE315 EE351 EE351 HM322 EE341 EE341L EE361 EE361 EE371 HM321 PE351L PE351L EE481 MS434 PE448 PE448L	Electric Machines Lab Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Communication Systems Communication Systems Lab. Electromagnetics Fields and Waves Sociology and Human Behaviour Power System Analysis Power System Analysis Lab Senior Design Project (Part I) Entrepreneurship and Marketing High Voltage Engineering High Voltage Engineering Lab	3 B- 1 B+ 3 B- 1 B 3 B- 1 B 3 B+ 3 B 1 B 3 A 3 B 1 B 3 A- 3 B 1 B 3 A- 3 B 1 B 1 B- 3 A- 3 B 1 B	18	56.34	3.13	86	248.66	2.89
Spring	2021	EE313 EE313L EE314L EE314L EE315 EE351 EE351 EE351L HM322 EE341 EE341L EE361 EE361 EE361L EE371 HM321 PE351 PE351L PE452	Electric Machines Lab Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Communication Systems Lab Communication Systems Lab. Electromagnetics Fields and Waves Sociology and Human Behaviour Power System Analysis Power System Analysis Lab Senior Design Project (Part I) Entrepreneurship and Marketing High Voltage Engineering High Voltage Engineering Lab Power System Protection	3 B- 1 B+ 3 B- 1 B 3 B- 1 B 3 B+ 3 B- 1 B 3 B- 1 B 3 A- 3 B- 1 B- 3 B- 1 B- 3	18	56.34	3.13	86	248.66	2.89
Spring	2021	EE313 EE314L EE314L EE315 EE351 EE351 EE351L HM322 EE341 EE341L EE361 EE361 EE371 HM321 PE351 PE351L PE448L PE448L PE452 PE452L	Electric Machines Lab Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Linear Control Systems Communication Systems Lab Communication Systems Lab Electromagnetics Fields and Waves Sociology and Human Behaviour Power System Analysis Power System Analysis Lab Senior Design Project (Part I) Entrepreneurship and Marketing High Voltage Engineering High Voltage Engineering Lab Power System Protection Power System Protection Lab	3 B- 1 B+ 3 B- 1 B 3 B- 1 B 3 B+ 3 B- 1 B 3 B- 1 B 3 A- 3 A- 3 B 1 B 1 B- 3 A- 3 A- 3 B 1 B 1 B- 1 B	18	56.34	3.13	86	248.66	2.89
Spring	2021	EE313 EE313L EE314L EE314L EE315 EE351 EE351 EE351L HM322 EE341 EE341L EE361 EE361 EE361L EE371 HM321 PE351 PE351L PE452	Electric Machines Lab Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Linear Control Systems Communication Systems Lab Communication Systems Lab Electromagnetics Fields and Waves Sociology and Human Behaviour Power System Analysis Power System Analysis Lab Senior Design Project (Part I) Entrepreneurship and Marketing High Voltage Engineering High Voltage Engineering Lab Power System Protection Power System Protection Lab	3 B- 1 B+ 3 B- 1 B 3 B- 1 B 3 B+ 3 B- 1 B 3 B- 1 B 3 A- 3 B- 1 B- 3 B- 1 B- 3	18	56.34 57.69	3.13	86	248.66 306.35	2.89
Spring	2021	EE313 EE313L EE314L EE314L EE315 EE351 EE351L HM322 EE341 EE341L EE361L EE361L EE361L EE361L EE361L EA371 PA321 PA321 PA321 PA351 PA321 PA	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Linear Control Systems Communication Systems Communication Systems Lab. Electromagnetics Fields and Waves Sociology and Human Behaviour Power System Analysis Power System Analysis Lab Senior Design Project (Part I) Entrepreneurship and Marketing High Voltage Engineering High Voltage Engineering Lab Power System Protection Power System Protection Power System Protection Lab Power System Operation and Control	3 B- 1 B+ 3 B- 1 B 3 B+ 3 B+ 3 B+ 3 B 1 B 3 A- 3 B 1 B- 3 A- 3 B 1 B- 3 A- 3 B- 1 B- 3 A- 3 B- 1 B- 3 B- 3 B- 1 B- 3 B- 3 B- 1 B- 3	18	56.34	3.13	86	248.66	2.89
Spring	2021	EE313 EE313L EE314L EE314L EE315 EE351 EE351L HM322 EE341 EE341L EE361L EE361L EE371 PE351 PE351L PE452 PE452 PE453	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Linear Control Systems Communication Systems Communication Systems Lab Electromagnetics Fields and Waves Sociology and Human Behaviour Power System Analysis Power System Analysis Lab Senior Design Project (Part I) Entrepreneurship and Marketing High Voltage Engineering High Voltage Engineering Lab Power System Protection Power System Protection Lab Power System Operation and Control	3 B- 1 B+ 3 B- 1 B 3 B+ 3 B+ 3 B 1 B 3 A 3 B 1 B 3 A 3 B 1 B 3 A 3 B 1 B 3 A 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 3 B 1 B 4 B 3 B 3 B 4 B 4 B 5 B 6 B 6 B 6 B 6 B 6 B 6 B 6 B 6 B 6 B 6	18	56.34 57.69	3.13	86	248.66 306.35	2.89
Spring	2021	EE313 EE314 EE314 EE315 EE351 EE351 EE351 EE351 EE351 EE361 EE341 EE361 EE361 EE361 EE361 EE361 EE481 MS434 PE448 PE448 PE448 PE448 PE452 PE452 PE453	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Linear Control Systems Communication Systems Communication Systems Lab. Electromagnetics Fields and Waves Sociology and Human Behaviour Power System Analysis Power System Analysis Lab Senior Design Project (Part I) Entrepreneurship and Marketing High Voltage Engineering High Voltage Engineering Lab Power System Protection Power System Protection Lab Power System Operation and Control	3 B- 1 B+ 3 B- 1 B 3 B- 1 B 3 B+ 3 B 1 B 3 A 3 B 1 B- 3 A- 3 A- 3 B 1 B- 3 A- 3 B- 1 B- 3 A- 3 B- 1 B-	18	56.34 57.69	3.13	86	248.66 306.35	2.89
Spring	2021	EE313 EE314 EE314 EE315 EE315 EE351 EE351 EE351 EE361 EE341 EE341 EE361 EE361 EE361 EE361 EE371 HM321 PE351 PE351 PE448 PE448 PE448 PE448 PE452 PE453 EE434 EE434	Electric Machines Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Linear Control Systems Lab Communication Systems Lab Communication Systems Lab. Electromagnetics Fields and Waves Sociology and Human Behaviour Power System Analysis Power System Analysis Lab Senior Design Project (Part I) Entrepreneurship and Marketing High Voltage Engineering High Voltage Engineering High Voltage Engineering Lab Power System Protection Power System Operation and Control Power Electronics Power Electronics Power Electronics Lab Senior Design Project (Part II)	3 B- 1 B+ 3 B- 1 B 3 B- 1 B 3 B+ 3 B 1 B 3 A 3 B 1 B- 3 A- 3 A- 3 B 1 B- 3 A- 3 B 1 B- 3 B- 3 B- 1	18	56.34 57.69	3.13	86	248.66 306.35	2.89
Spring	2021	EE313 EE314L EE314L EE315 EE351 EE351 EE351 EE351L HM322 EE341 EE341L EE361 EE361 EE371 HM321 PE351 PE351L PE452 PE452 PE452 PE452 PE453 EE434 EE434 EE482 MS496	Electric Machines Lab Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Linear Control Systems Communication Systems Lab. Electromagnetics Fields and Waves Sociology and Human Behaviour Power System Analysis Power System Analysis Lab Senior Design Project (Part I) Entrepreneurship and Marketing High Voltage Engineering High Voltage Engineering Lab Power System Protection Power System Protection Lab Power System Operation and Control Power Electronics Power Electronics Power Electronics Lab Senior Design Project (Part II) Project Management	3 B- 1 B+ 3 B- 1 B 3 B- 1 B 3 B+ 3 B- 1 B 3 A 3 B 1 B 3 A- 3 A- 3 B 1 B 1 B 1 B 2 B 3 B 1 B+	18	56.34 57.69	3.13	86	248.66 306.35	2.89
Spring	2021	EE313 EE313 EE314L EE314L EE315 EE351 EE351 EE351 EE351L HM322 EE341 EE341L EE361 EE361 EE371 HM321 PE351 PE351L PE351 PE351L EE481 MS434 PE448 PE448 PE448 PE452 PE452 PE453	Electric Machines Lab Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Linear Control Systems Communication Systems Lab Electromagnetics Fields and Waves Sociology and Human Behaviour Power System Analysis Power System Analysis Lab Senior Design Project (Part I) Entrepreneurship and Marketing High Voltage Engineering High Voltage Engineering Lab Power System Protection Power System Operation and Control Power Electronics Power Electronics Power Electronics Lab Senior Design Project (Part II) Project Management Electrical Machine Drives and Control	3 B- 1 B+ 3 B- 1 B 3 B- 1 B 3 B+ 3 B- 1 B 3 B- 1 B 3 A 3 B 1 B 3 A- 3 A- 3 B 1 B- 3 A- 3 B 1 B- 3 B- 3 B- 1 B- 3	18	56.34 57.69	3.13	86	248.66 306.35	2.89
Spring	2021	EE313 EE314L EE314L EE315 EE351 EE351 EE351 EE351L HM322 EE341 EE341L EE361 EE361 EE371 HM321 PE351 PE351L PE452 PE452 PE452 PE452 PE453 EE434 EE434 EE482 MS496	Electric Machines Lab Electric Machines Lab Instrumentation and Measurement Instrumentation and Measurement Lab. Power Distribution and Utilization Signals and Systems Signals and Systems Lab Corporate Law and Professional Ethics Linear Control Systems Linear Control Systems Linear Control Systems Communication Systems Lab. Electromagnetics Fields and Waves Sociology and Human Behaviour Power System Analysis Power System Analysis Lab Senior Design Project (Part I) Entrepreneurship and Marketing High Voltage Engineering High Voltage Engineering Lab Power System Protection Power System Protection Lab Power System Operation and Control Power Electronics Power Electronics Power Electronics Lab Senior Design Project (Part II) Project Management	3 B- 1 B+ 3 B- 1 B 3 B- 1 B 3 B+ 3 B- 1 B 3 A 3 B 1 B 3 A- 3 A- 3 B 1 B 1 B 1 B 2 B 3 B 1 B+	18	56.34 57.69	3.13	86	248.66 306.35	2.89