

ELECTRICAL ENGINEERING & RENEWABLE ENERGY DEPARTMENT
ANNUAL COURSE PLANNER 2016-17 WILSONVILLE CAMPUS

Note: The table below can be used by students in planning their course work. Although this schedule is based on the most current information available, it is **tentative** and subject to change depending on staffing and other issues which may arise.

For a list of general education courses (Communications, Math/Science, Humanities and Social Sciences) and planned offerings, refer to the Wilsonville General Education Planning Guide.

For a list of additional online course offerings, refer to the Distance Education Annual Planning Schedule at <http://www.oit.edu/distance-education/courses>.

- (D)** Course offered at Wilsonville campus during the day time (starting 8:00am - 5:00 PM)
- (E)** Evening (starting after 5:30pm) or weekend (Saturday) course offered at the Wilsonville campus
- (O)** Course offered at the Willow Creek Center on weekday evenings
- (W)** Online course
- (X)** Meeting times/location to be determined

Course Number	Course Name	Lecture, Lab, Credit Hours	Summer 2016	Fall 2016	Winter 2017	Spring 2017	Summer 2017
CHE 260	Electrochemistry for RE Applications	(3 - 3 - 4)				(W) Petrovic	
	Electrochemistry for RE Applications Lab					(E) Stefanoski	
	Electrochemistry for RE Applications Lab					(E) Stefanoski	
CST 116	C++ Programming I (offered by CSET department)	(3 - 3 - 4)		CSET faculty	CSET faculty		
EE 131	Digital Electronics I	(3 - 3 - 4)		(E) Kleck			
EE 133	Digital Electronics II	(3 - 3 - 4)			(E) Kleck		
EE 207	Engineering Design & Invention	(3 - 3 - 4)			(D) Prah		
EE 221	Circuits I	(3 - 3 - 4)		(D) Torres Garibay	(W) Douglas		
EE 223	Circuits II	(3 - 3 - 4)	(W) Douglas		(D) Torres Garibay	(W) Douglas	
EE 225	Circuits III	(3 - 3 - 4)	(E) Douglas			(D) Torres Garibay	(W) Douglas
EE 320	Advanced Circuits & Systems Analysis	(4 - 3 - 5)		(O) Scher			
EE 321	Electronics I	(4 - 3 - 5)		(E) Douglas			
	Electronics I Lab			(E) Guyot			
	Electronics I (online lecture and lab)	(4 - 3 - 5)		(W) Aboy	(W) Aboy		
	Electronics I Lab (lecture for blended section)	(4 - 3 - 5)		(W) Aboy			
	Electronics I Lab (lab for blended section)			(E) Bellock			
EE 323	Electronics II (online lecture and lab)	(4 - 3 - 5)			(W) Crespo		
	Electronics II (lecture for blended section)	(4 - 3 - 5)			(W) Crespo		
	Electronics II (lab for blended section)				(E) Bellock		
EE 325	Electronics III	(4 - 3 - 5)				(W) Crespo	
EE 331	Digital System Design w/HDL	(3 - 3 - 4)			(E) Douglas		
EE 333	Microcontroller Engineering	(3 - 3 - 4)		(E) Douglas			
EE 335	Advanced Microcontroller Engineering	(3 - 3 - 4)			(E) Douglas		
EE 341	Electricity & Magnetism w/T-Lines	(4 - 0 - 4)	(W) Scher	(D) Scher			(W) Scher
EE 307	Electricity & Magnetism w/T-Lines Lab	(0 - 3 - 1)		(D) Scher			
EE 343	Solid State Electronic Devices	(3 - 0 - 3)		(E) Ahsan		(E) Ahsan	
EE 355	Control System Design	(3 - 3 - 4)		(D) Hossain		(E) Staff	
EE 401	Communication Systems	(4 - 3 - 5)				(W) Scher	
EE 407	Advanced Labview Programming	(3 - 0 - 3)				(E) Spiegelberg	
EE 407	Embedded Systems Testing	(3 - 3 - 4)			(E) Bellock		
EE 407	Printed Circuit Board Design	(3 - 3 - 4)	(D) Douglas				
EE 419	Power Electronics	(3 - 3 - 4)			(E) Haque		
	Power Electronics Lab				(E) Vasconcelos		
	Power Electronics Lab				(E) Vasconcelos		
EE 430	Linear Systems & DSP (online lecture and lab)	(4 - 3 - 5)			(W) Aboy		
	Linear Systems & DSP (lecture for blended section)	(4 - 3 - 5)			(W) Aboy		
	Linear Systems & DSP (lab for blended section)				(E) Guyot		
EE 432	Advanced Digital System Design w/HDL	(3 - 3 - 4)		(D) Douglas		(O) Douglas	
EE 448	Geometric Optics	(3 - 3 - 4)		(D) Prah			
EE 449	Optical Detection & Radiometry	(3 - 3 - 4)			(D) Prah		
EE 450	Physical Optics	(3 - 3 - 4)				(D) Prah	
EE 451	Lasers	(3 - 3 - 4)		(D) Prah			
EE 452	Fiber Optics	(3 - 3 - 4)			(D) Prah		
EE 453	Optical Metrology	(3 - 3 - 4)				(D) Prah	

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EE 548	Geometric Optics	(3 - 3 - 4)		(D) Prah			
EE 549	Optical Detection & Radiometry	(3 - 3 - 4)			(D) Prah		
EE 550	Physical Optics	(3 - 3 - 4)				(D) Prah	
EE 551	Lasers	(3 - 3 - 4)		(D) Prah			
EE 552	Fiber Optics	(3 - 3 - 4)			(D) Prah		
EE 553	Optical Metrology	(3 - 3 - 4)				(D) Prah	
ENGR 211	Statics	(4 - 0 - 4)		(D) Corsair			
ENGR 267	Engineering Programming	(2 - 3 - 3)	(W) Aboy	(X) Aboy	(W) Aboy	(W) Aboy	
ENGR 355	Thermodynamics	(3 - 0 - 3)		(E) Jiru			
ENGR 465	Capstone Project	(0 - 6 - 2)			(X) Rytkonen	(X) Rytkonen	
ENGR 465	Capstone Project	(0 - 6 - 2)	(X) Corsair	(X) Corsair	(X) Corsair	(X) Corsair	(X) Corsair
ENGR 465	Capstone Project	(0 - 6 - 2)	(X) Douglas	(X) Douglas	(X) Douglas	(X) Douglas	(X) Douglas
ENGR 465	Capstone Project	(0 - 6 - 2)	(X) Jiru	(X) Jiru	(X) Jiru	(X) Jiru	
ENGR 465	Capstone Project	(0 - 6 - 2)		(X) Scher	(X) Scher	(X) Scher	
ENGR 465	Capstone Project	(0 - 6 - 2)	(X) Petrovic				(X) Petrovic
ENGR 465	Capstone Project	(0 - 6 - 2)	(X) Prah	(X) Prah	(X) Prah	(X) Prah	(X) Prah
ENGR 465	Capstone Project	(0 - 6 - 2)		(X) Hossain			
MECH 318	Fluid Mechanics	(3 - 3 - 4)			(D) Jiru		
MECH 323	Heat Transfer	(3 - 0 - 3)				(D) Jiru	
MECH 433	HVAC	(2 - 3 - 3)		(E) Jiru			
MGT 345	Engineering Economy (offered by Mgmt Dept.)	(3 - 0 - 3)				MGMT faculty	
REE 201	Introduction to Renewable Energy	(3 - 0 - 3)		(D) Corsair		(W) Petrovic	
REE 243	Electrical Power	(3 - 3 - 4)				(D) Staff	
REE 253	Electromechanical Energy Conversion	(2 - 3 - 3)				(D) Staff	
REE 333	Batteries	(2 - 3 - 3)		(W) Petrovic			
	Batteries Lab			(E) Stefanoski			
	Batteries Lab			(E) Stefanoski			
REE 337	Materials for RE Applications	(3 - 0 - 3)		(D) Stefanoski			
REE 345	Wind Power	(3 - 0 - 3)		(E) Saylor			
REE 347	Hydroelectric Power	(3 - 0 - 3)				(E) Sheldon	
REE 348	Solar Thermal Energy Systems	(3 - 0 - 3)		(D) Jiru			
REE 407	Costing Renewable Energy	(3 - 0 - 3)	(E) Corsair				(E) Corsair
REE 412	Photovoltaic Systems	(3 - 0 - 3)			(D) Stefanoski		
REE 413	Electric Power Conversion Systems	(2 - 3 - 3)				(E) Staff	
REE 425	Electricity Markets and Modeling	(3 - 0 - 3)			(D) Corsair		
REE 439	Building Energy Auditing and Management	(3 - 0 - 3)			(D) Jiru		
REE 453	Power Systems Analysis	(3 - 0 - 3)		(D) Hossain			
REE 454	Power System Protection and Control	(3 - 0 - 3)			(D) Staff		
REE 455	Energy-Efficient Building Design	(3 - 0 - 3)				(E) Jiru	
REE 463	Energy Systems Instrumentation	(2 - 3 - 3)			(E) Vasconcelos		
REE 469	Grid Integration of Renewables	(3 - 0 - 3)				(D) Staff	
REE 507	Costing Renewable Energy	(3 - 0 - 3)	(E) Corsair				
REE 511	Research Methods and Innovation I	(3 - 0 - 3)		(W) Aboy			
REE 512	Research Methods and Innovation II	(3 - 0 - 3)				(E) Prah	
REE 513	Research Methods and Innovation III	(3 - 0 - 3)			(W) Aboy		
REE 515	Energy Engineering I	(3 - 0 - 3)		(E) Corsair			
REE 516	Energy Engineering II	(3 - 0 - 3)			(E) Corsair		
REE 517	Energy Engineering III	(3 - 0 - 3)				(E) Corsair	
REE 525	Solid State Physics of Photovoltaic Materials	(3 - 0 - 3)		(E) Stefanoski			
REE 529	Power Systems Analysis	(3 - 0 - 3)		(D) Hossain			
REE 533	HVAC	(3 - 0 - 3)		(E) Jiru			
REE 545	Applied Photovoltaics	(3 - 0 - 3)				(E) Stefanoski	
REE 549	Power System Protection and Control	(3 - 0 - 3)			(D) Staff		
REE 553	Building Energy Auditing and Management	(3 - 0 - 3)			(D) Jiru		
REE 565	Semiconductor Processing Engineering	(3 - 0 - 3)			(E) Stefanoski		
REE 573	Energy-Efficient Building Design	(3 - 0 - 3)				(E) Jiru	
REE 599	Graduate Project or Thesis	(3 - 0 - 3)		(X) Corsair	(X) Corsair	(X) Corsair	(X) Corsair
REE 599	Graduate Project or Thesis	(3 - 0 - 3)	(X) Corsair	(X) Douglas			
REE 599	Graduate Project or Thesis	(3 - 0 - 3)	(X) Jiru	(X) Jiru	(X) Jiru	(X) Jiru	

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REE 599	Graduate Project or Thesis	(3 - 0 - 3)		(X) Scher	(X) Scher	(X) Scher	
REE 599	Graduate Project or Thesis	(3 - 0 - 3)	(X) Petrovic				(X) Petrovic
REE 599	Graduate Project or Thesis	(3 - 0 - 3)	(X) Prah	(X) Prah	(X) Prah	(X) Prah	(X) Prah
SEM 421	Systems Engineering	(4 - 0 - 4)		(W) Eastham			
SEM 422	Advanced Systems Engineering	(4 - 0 - 4)			(W) Eastham		
SEM 425	Advanced Engineering Management	(4 - 0 - 4)				(W) Eastham	
SEM 521	Systems Engineering	(4 - 0 - 4)		(W) Eastham			
SEM 522	Advanced Systems Engineering	(4 - 0 - 4)			(W) Eastham		
SEM 525	Advanced Engineering Management	(4 - 0 - 4)				(W) Eastham	