



UNIVERSITY OF
THESSALY

DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING
SCHOOL OF ENGINEERING

COURSE CODE	ECTS	COURSE TITLE	TEACHING METHOD (Lectures/Tutoring)	SEMESTER
WS				
1. ECE119	6	Digital Design (Core)	Tutoring	WS 1 ST
2. ECE317	6	Artificial Intelligence (Elective)	Tutoring	WS 5 TH
3. ECE321	6	Concurrent Programming (Elective)	Lectures	WS 5 TH
4. ECE325	6	Digital Signal Processing (Elective)	Lectures	WS 5 TH
5. ECE327	6	Digital Systems VLSI (Elective)	Tutoring	WS 5 TH
6. ECE329	6	Education Technologies (Elective)	Tutoring	WS 5 TH
7. ECE331	6	Electrical Machines (Elective)	Tutoring	WS 5 TH
8. ECE333	6	Digital Systems Lab (Elective)	Tutoring	WS 5 TH
9. ECE337	6	Linear Programming (Elective)	Lectures	WS 5 TH
10. ECE339	6	Applied Statistics (Elective)	Tutoring	WS 5 TH
11. ECE341	6	Advanced Electronics (Elective)	Tutoring	WS 5 TH
12. ECE411	6	Power Systems II (Elective)	Tutoring	WS 7 TH
13. ECE415	6	High Performance Computing Systems (Elective)	Lectures	WS 7 TH
14. ECE419	6	Logical and Functional Programming (Elective)	Lectures	WS 7 TH
15. ECE425	6	Testing and Verification of Digital Circuits (Elective)	Lectures	WS 7 TH
16. ECE431	6	CAD Algorithms (Elective)	Lectures	WS 7 TH
17. ECE439	6	Special Topics/ Projects (Elective)	Tutoring	WS 7 TH
18. ECE445	6	Parallel and Distributing Computing (Elective)	Lectures	WS 7 TH

19.	ECE447	6	Neuro-Fuzzy Computing (Elective)	Lectures	WS 7 TH
20.	ECE461	6	Machine Learning for Data Science and Analytics (Elective)	Tutoring	WS 7 TH
21.	ECE463	6	Telecommunications Systems II (Elective)	Tutoring	WS 7 TH
22.	ECE513	6	Circuit Simulation Algorithms (Elective)	Lectures	WS 9 TH
23.	ECE515	6	Mobile and Pervasive Computing (Elective)	Lectures	WS 9 TH
24.	ECE541	6	Database Management Systems II (Elective) (Elective)	Tutoring	WS 9 TH
25.	ECE553	6	Design Thinking (Elective)	Tutoring	WS 9 TH
26.	ECE555	6	Advanced Topics in Computer Networks (Elective)	Tutoring	WS 9 TH
27.	ECE557	6	Manufacturing of Semiconductor Devices (Elective)	Lectures	WS 9 TH
28.	ECE561	6	Formal Verification of Cryptosystems (Elective)	Lectures	WS 9 TH
29.	ECE563	6	Radar Systems and Remote Sensing (Elective)	Tutoring	WS 9 TH
30.	ECE565	6	Special Topics/ Projects (Elective)	Tutoring	WS 9 TH
SS					
31.	ECE314	6	Electromagnetic Fields I (Elective)	Tutoring	SS 6 TH
32.	ECE316	6	Power Systems I (Core) (Elective)	Tutoring	SS 6 TH
33.	ECE318	6	Operating Systems (Elective)	Lectures	SS 6 TH
34.	ECE320	6	Measurement Systems (Elective)	Tutoring	SS 6 TH
35.	ECE324	6	Introduction to the Theory of Computation (Elective)	Tutoring	SS 6 TH
36.	ECE326	6	Object Oriented Programming (Elective)	Tutoring	SS 6 TH
37.	ECE334	6	Pattern Recognition (Elective)	Lectures	SS 6 TH
38.	ECE338	6	Parallel Computer Architecture (Elective)	Lectures	SS 6 TH
39.	ECE340	6	Embedded Systems (Elective)	Lectures	SS 6 TH
40.	ECE348	6	Distributed Systems (Elective)	Lectures	SS 6 TH
41.	ECE350	6	Electrotechnical Materials (Elective)	Tutoring	SS 6 TH
42.	ECE352	6	Image Processing (Elective)	Lectures	SS 6 TH
43.	ECE354	6	Introduction to Nanoelectronics (Elective)	Tutoring	SS 6 TH
44.	ECE356	6	Special Topics/ Projects (Elective)	Tutoring	SS 6 TH
45.	ECE414	6	Applied Stochastic Processes (Elective)	Tutoring	SS 8 TH

46. ECE416	6	Network Optimization (Elective)	Tutoring	SS 8 TH
47. ECE418	6	Blockchain Technologies and Decentralized Applications (Elective)	Lectures	SS 8 TH
48. ECE420	6	Game Architecture and Development (Elective)	Tutoring	SS 8 TH
49. ECE422	6	Data Mining (Elective)	Tutoring	SS 8 TH
50. ECE424	6	Multiagent Systems (Elective)	Tutoring	SS 8 TH
51. ECE434	6	Complex Networks (Elective)	Lectures	SS 8 TH
52. ECE436	6	Wireless Communications (Elective)	Tutoring	SS 8 TH
53. ECE444	6	Physical CAD Algorithms (Elective)	Lectures	SS 8 TH
54. ECE450	6	Computer Networks II (Elective)	Tutoring	SS 8 TH
55. ECE456	6	Control and Stability of Power Systems (Elective)	Tutoring	SS 8 TH
56. ECE458	6	Special Topics/ Projects (Elective)	Tutoring	SS 8 TH
57. ECE460	6	Advanced Data Management (Elective)	Tutoring	SS 8 TH
58. ECE468	6	Network and Information System Security (Elective)	Lectures	SS 8 TH
59. ECE470	6	Software Engineering (Elective)	Lectures	SS 8 TH
60. ECE472	6	Industrial Automation and Control (Elective)	Tutoring	SS 8 TH
61. ECE474	6	Special Topics of Electrical Installations (Elective)	Tutoring	SS 8 TH
62. ECE484	6	Radhard Circuit Design (Elective)	Tutoring	SS 8 TH
63. ECE486	6	Electroacoustics (Elective)	Tutoring	SS 8 TH
64. ECE488	6	Design of Quantum Computers (Elective)	Lectures	SS 8 TH
65. ECE492	6	Introduction to Robotics (Elective)	Tutoring	SS 8 TH
66. ECE494	6	Processor Design (Elective)	Tutoring	SS 8 TH