

Catalog No.	Course	Lecturer	Semester	
			1st	2nd
046002	+ Design and Analysis of Algorithms	Prof. Y. Moses/ Prof. D. Cohen	2,1	2,1
046004	Advanced Topics 2			2,1
046005	+Computer Networks & Internet 2	Prof. Y. Cassuto/ Prof. A. Ordea	2,1	2,1
046006	Advanced Topics 3	Prof. I. Keidar/ Prof. A. Mendelson	2,1	
046012	Introduction to Organic Materials and Devices	Prof. N. Tessler	2,1	
046042	INTRODUCTION TO ELECTRIC POWER SYSTEMS and SMART GRIDS	Prof. Y. Levron	2,1	
046129	+ Solid State Physics EE	Prof. D. Ritter		2,1
046187	+ Analog Circuit Design	Mr.R. Elbhar	2,1	
046188	+ Mixed Signal Electronic Circuits	Dr. C. Jakobson		2,1
046189	+ Design of Active Networks	Mr .A. Diskin	2,1	2,1
046194	+ Learning and Planing in Dynamic Program	Prof. N. Shimkin, Assoc.Prof. S. Manor		2,1
046195	+ Machine Learning	Mr. Omer Yaeir	2,2	2,2
046197	+ Computational Methods	Prof. K. Levi		2,1
046200	+ Image Processing and Analysis	Prof. I. Cohen/ Assoc. Prof. Y. Schechner	2,1	2,1
046201	+ Introduction to Random Signal Processes	Prof. T. Michaeli	2,1	
046202	+ Data Analysis	Prof. K. Levi	2,1	
046204	+ Analog Communication	Prof. I. Tal	2,1	
046205	+ Introduction to Coding Theory in Communication	Prof.Y. Sason		2,1
046206	+ Introduction to Digital Communication	Distinguished Prof. S. Shamai (Shitz)/ Assoc. Y. Steinberg	2,1	2,1
046208	+ Modern Communication Techniques	Assoc. Prof. M. Nazarathy	2,1	
046209	+ Structure of Operating Systems	Prof. M. Silbershtein/ Dr. I. Eyal	2,2	2,2
046210	+Laboratory in Operating Systems	Faculty active in this field	4 Lab	4 Lab
046212	+ Introduction to Robotics	Prof. A. Tamar		2,1
046216	+ Microwaves	Prof. L. Schachter		2,1

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046225	+ Physical Principles of Semiconductors	Prof.E. Yalon/Prof. E. Yalon	2,1	2,1
046232	Chapters nanoelectronics	Assoc. Prof. E. Buks		2,1
046235	+ Integrated Power Management Devices	Prof. D. Ritter		2,1
046237	+ Integrated Circuits	Mr. E. Maayan/ Prof. E. Maayan	2,1	2,1
046239	+ Laboratory Courses in Nano-Electronics	Prof. N. Tessler		2,1
046241	+ Quantum Mechanics	Assoc. Prof. E. Buks		2,1
046242	+ Stat.physics Fluctuations and Noise	Prof.N. Merhav	2,1	
046244	+ Side Waves	Prof. E. Buks	2,1	
046249	+ Electro-Optic Systems	Prof. A. Rosenthal		2,1
046256	+ Antennae and Radiation	Prof. A. Epstein	2,1	
046265	+ Advanced Circuits and Architectures	Prof. S. Kvatinsky	2,1	
046266	+ Compilation Methods	Dr. E. Zaks	2,1	
046267	+ Computer Architecture	Dr. P. Gabay	2,1	2,1
04268	engineering, computer processors	Assoc.Prof. Y. Estion	2,1	
046271	+ Object-Oriented Programming and Design	Mr. Y. Moshe	2,1	
046272	Distributed Systems: Principles	Prof. I. Keidar	2,1	
046273	Distributed Functional Programming	Mr .H. Gazit		2,1
046274	Selected Topics in Computer Engineering	Prof. M. Silbershtein		1,2
046275	Dynamic Binary Translation Optimization	Mr. G. Haber		2,1
046278	Computational Accelerators and Accelerators	Prof. M. Silbershtein		2,1
046326	+ Introduction to Biological Signals	Dr .D. Sudri	2,1	
046332	+ Visual and Auditory Systems	Prof.M. Porat/ Dr. R. Kaftory	2,1	2,1
046336	+ High speed network processors	Dr. A. Rosen		2,1
046342	Introduction to optical fiber communication	Prof. Ged Eisenstein	2,1	

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046345	+ Computer Graphics	Prof. A. Tal		2,1
046733	+ Information Theory	Prof. S. Samai/ Prof. N. Merhav	2,1	2,1
046743	Spatial Signal Processing	Prof. I. Cohen		2,1
046745	+ Digital Signal Processing	Prof. G. Gilboa	2,1	
046746	+ Algorithms and Application	Prof. A. Levin		2,1
046773	+ Electroopt Semiconduc Devices-Detectors	Prof. Y. Nemirovsky	2,1	
046831	+ Introduction to Medical Imaging	Assis. Prof. G. Gilboa		2,1
046851	+ Semicon Lasers and Integ Photonic Device	Prof. M. Orenstein		2,1
046853	+ Advanced Architecture of Micro-Processors' Systems	Prof. U. Weiser	2,1	
046864	+ Design of High Speed Digital Systems	Dr. M. Werner	2,1	
046868	+ Foundations of Stochastic Processes	Prof. R. Adler		2,1
046880	+Cad of Vlsi Systems	Dr. L. Yavitz	2,1	
046903	+ RF CMOS Integrated Circuits	Prof. E. Cohen		2,1
046918	+ Physical Design Automation of Vlsi Systems	Dr. K. Moiseev		2,1
046925	+ Design Tools for Computer Systems	Prof. R. Rom	2,1	
046968	+ Micromachining and Micro-electromechanical Systems	Prof. Y. Nemirovsky		2,1
048703	advnaced topics in communication and informaton theory 1	Prof.Y. Sason		2
048711	Electro-optics Laboratory 1	Faculty active in this field	4 Lab	
048712	Electro-optics Laboratory 2	Prof. M. Horowitz	4 Lab	4 Lab
048715	Advanced Topics in systems, learning, Control Theory 1	Prof. N. Shimkin		2
048716	Advanced Topics in systems, learning, Control Theory 2		2	
048747	Laboratory in Biological Systems and Signals	Prof. M. Porat	4 Lab	4 Lab
048750	Advanced Topics in Computer Architecture	Prof. Y. Estion		2
048816	Signal Processing Laboratory	Faculty active in this field	4 Lab	4 Lab

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048823	Analytical Methods in Wave Theory 1	Prof. A. Epstein		2
048831	Advanced topics in signal processing first	Prof.R. Talmon	2	
048852	Advanced Energy Conversion Laboratory	Prof. Y. Levron	4 Lab	4 Lab
048860	Work Pictures	Prof.M. Porat		2
048865	Networks, graphs and signal processing	Prof. R. Talmon, Prof. R. Kimel	2	
048870-1	Developing Topics in Electrical Engineering 1-2	Faculty active in this field	1	1
048874	Parallel Computer Architectures	Assoc. Prof. R. Ginosar		1
048877	Hardware and Software Laboratory	Prof. Y. Moses	4 Lab	4 Lab
048879	Seminar in Vlsi Architecture	Prof. S. Kvatinsky		2
048888	Blockchain and Cryptocurrency protocols	Prof. I. Eyal		2
048903	Advanced Topics in Microelectronics 1	Prof. D. Ritter	2	
048905	Non-Linear Optics and Applications	Prof. B. Fischer	2	
048908	Selected Topics in Microelectronics 2	Prof. Y. Yaish		2
048912	Modern Control Systems Design	Prof. H. Rotstein	2	
048922	Vision, Image Structure and Computer Vision Laboratory	Prof. M. Porat	4 Lab	4 Lab
048926	Selected Topics in Image Processing	Assis. Prof. G. Gilboa	2	
048930	Selected Topics in Electrooptics	Dr I. Kaminer	2	
048931	Information Measures and Applications	Prof. I. Sason		2
048933	Communication Laboratory	Prof. s. Shamai	4 Lab	4 Lab

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048934	Coded Communications	Distinguished Prof. S. Shamai (Shitz)	2	
048939	Advanced topics in signal processing 3	Dr. Z. Fridman	2	
048951	Statistical Models in Optical Comm.	Assoc. Prof. M. Nazarathy	2	
048961	Selected Topics in Computing 1	Prof. M. Silbershtein	2	
048966	Microelectronics Laboratory	Prof. D. Ritter	4 Lab	4 Lab
048967	Computer Networks Laboratory	Prof. I. Keslassy	4 Lab	4 Lab
048976	Laboratory in Parallel Systems	Faculty active in this field	4 Lab	4 Lab
048978	Radiation Sources Based on Elect. Beams	Prof. L. Schachter		2
048979	Advanced Topics in probability and random processes	Prof. R. Adler	2	
048990	Seminar 1	Faculty active in this field	3	3
048991	Seminar 2	Faculty active in this field	3	3
048996	Waves in Periodic Structures	Prof. L. Schachter		2
049005	Control Topics Laboratory	Faculty active in this field	4 Lab	4 Lab
049006	Electromagnetic Waves Laboratory	Faculty active in this field	4 Lab	4 Lab
049011	Advanced Topics in Computing 2	Prof. A. Mendelson	2	
049017	Advanced Topics in Computing 3	Prof. I. Keidar		2
049026	Knowledge and Games in Distributed Sys.	Prof. Y. Moses	2	
049027	Multi-User information Theory	Prof. Y. Steinberg		2
049030	Topics in Storage	Assoc. Prof. Y. Birk		2
049031	VLSI Interconnections	Dr. K. Moiseev/Prof. A. Kolodny		2
049033	Generalized Sampling Methods	Prof. Y. Eldar		2
049035	Digital Speech Processing in Noisy Environments	Prof. I. Cohen		2
049042	Advanced Photonic Circuitry	Prof. M. Orenstein		2
049049	Modelization and Computational Techniques in Wave Theory	Prof. Y. Leviatan	2	

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049050	Advanced Topics in Nano-Electronics 1	Prof. E. Yalon	2	
049053	Machine Learning Laboratory	Faculty active in this field	4 Lab	4 Lab
049054	statistical physics and information theory	Prof.N. Merhav	2	
049055	NanoPhotonics	Assic.Prof. G. Bartal		2
049056	Shape Analysis	Prof. A. Tal		2
049058	Machine Learning for Complex Problems	Assoc.Prof. K. Crammer		2
049059	Graph Theory with Applications for Computer Engineering	Dr. S. Wimer		2