

Catalog No.	Course	Lecturer	Semester	
			1st	2nd
046002	+ Design and Analysis of Algorithms	Prof. Y. Moses/ Prof. D. Cohen	2,1	2,1
046005	+Computer Networks & Internet 2	Prof. Y. Cassuto/ Prof. A. Ordea	2,1	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	
046055	Nano-photonics and optical metamaterials	Prof. G. Bartal	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
046195	+ Machine Learning	Mr. Omer Yaeir / 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	
046203	Planning and Reinforcemet Learning	Prof. A. Tamar + Prof. S Manor		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	Assoc. Y. Steinberg / Prof. S. Shamai (Shitz)	2,1	2,1
046208	+ Modern Communication Techniques	Prof. N Weinberger		2,1
046209	+ Structure of Operating Systems	Prof. S. Bergman / 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. A. Epstain		2,1
046225	+ Physical Principles of Semiconductors	Prof.E. Yalon/Prof. E. Yalon	2,1	2,1

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046230	Advanced Electron Devices	Prof. D. Ritter		2,1
046232	Chapters nanoelectronics	Prof. Y. Yaish		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
046240	Superconducting Quantum Devices	Prof. E. Buks		2,1
046241	+ Quantum Mechanics	Prof. E. Buks		2,1
046242	+ Stat.physics Fluctuations and Noise	Prof.N. Merhav	2,1	
046243	Quantum Technologies	Dr. I. Kaminer / Dr. I. Kaminer	2,1	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. Epstain	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 / Dr. P. Gabay	2,1	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
046275	Dinamic Binary Translation Optimization	Mr. G. Haber		2,1
046277	CORRECTNESS GUARANTEES FOR SOFTWARE	Dr. D. Drachsler-Cohen	2,1	
046278	Computational Accelerators and Accelera	Prof. M. Silbershtein		2,1
046280	Introduction to Cybersecurity	Assis. Prof. I. Eyal	2,1	
046326	+ Introduction to Biological Signals	Dr .D. Sudri	2,1	

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046332	+ Visual and Auditory Systems	Prof.M. Porat/ Dr. R. Kaftory	2,1	2,1
046733	+ Information Theory	Prof. S. Samai/ Prof. N. Merhav	2,1	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	
046868	+ Foundations of Stochastic Processes	Prof. R. Atar		2,1
046880	+Cad of Vlsi Systems	Dr. L. Yavitz	2,1	
046903	+ RF CMOS Integrated Circuits	Prof. E. Cohen		2,1
046918	Algorithms for the preparation and testing circuits and I.al.as.ai	Dr. K. Moiseev		2,1
046968	+ Micromachining and Micro-electromechanical Systems	Prof. Y. Nemirovsky		2,1
048000	Computational Photography	Assoc. Prof.A. Levin	2	
048710	2D materials integrated nano- optoelectronics	Dr. I. Goycman	2	
048712	Electro-optics Laboratory 2	Prof. M. Horowitz	4 Lab	4 Lab
048716	Advanced Topics in systems, learning, Control Theory 2	Dr. N. Weinberger	2	
048717	online learning	Dr. K. Levy		2
048718	Algorithms for Reinforcement Learning	Prof. S. Manor Prof. A. Tamar	2	
048719	Reliability, Equity, and Reproducibility in Modern Machine Learning	Dr. Y. Romano		2
048747	Laboratory in Biological Systems and Signals	Prof. M. Porat	4 Lab	4 Lab
048752	Advanced Course	Dr. D. Drachsler-Cohen		2
048812	Oxide Physics and Devices	Prof.L. Kornblum		2

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048816	Signal Processing Laboratory	Faculty active in this field	4 Lab	4 Lab
048823	Analytical Methods in Wave Theory 1	Prof. A. Epstain		2
048828	Array Signal Processing and Analysis	Prof. I. Cohen	2	
048836	The Hfic Lab	Assis. Prof. E. Cohen / Assis. Prof. E. Cohen	2	2
048852	Advanced Energy Conversion Laboratory	Prof. Y. Levron	4 Lab	4 Lab
048860	Work Pictures	Prof.M. Porat		2
048864	Information in Storage Devices	Prof. R. Ginosar, Mr. Yavitz		2
048865	Networks, graphs and signal processing	Prof. R. Talmon, Prof. R. Kimel	2	
048866	Algorithmic Challenges in Computer Networks and Blockchain	Dr. O. Rottenstreich	2	
048870-1	Developing Topics in Electrical Engineering 1-2	Faculty active in this field	1	1
048877	Hardware and Software Laboratory	Prof. Y. Moses	4 Lab	4 Lab
048879	Seminar in Vlsi Architecture	Prof. S. Kvatinsky		2
048885	VLSI Architectures for DNA sequencing and Genome Analysis	Prof. R. Ginosar, Mr. Yavitz	2	
048888	Blockchain and Cryptocurrency protocols	Prof. I. Eyal		2
048889	Machine Learning for Computer Networks	Prof. I. Keslassy		2
048908	Selected Topics in Microelectronics 2	Prof. Y. Yaish		2
048922	Vision, Image Structure and Computer Vision Laboratory	Prof. M. Porat / Prof. M. Porat	4 Lab	4 Lab
048930	Selected Topics in Electrooptics	Dr I. Kaminer	2	
048931	Information Measures and Aplications	Prof. I. Sason		2
048933	Communication Laboratory	Prof. s. Shamai	4 Lab	4 Lab
048951	Statistical Models in Optical Comm.	Assoc. Prof. M. Nazarathy		2
048954	Statistical Methods in Image Processing0	Prof. T. Micheli		2
048961	Selected Topics in Computing 1	Prof. M. Silbershtein	2	

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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
048979	Reflected diffusions and switches	Prof. R. Atar	2	
048980	Design Management Noncooperative Communication Networks	Prof. A. Ordea	2	
048985	Topological methods in engineering, networks and data analysis	Dr. O. Bobrowski		
048989	Power System Dynamics	Assis. Prof. Y. Levron		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	Dr. A. Tamar	4 Lab	4 Lab
049006	Electromagnetic Waves Laboratory	Faculty active in this field	4 Lab	4 Lab
049011	Advanced Topics in Computing 2	Prof. I. Keidar		2
049017	Advanced Topics in Computing 3	Prof. A. Mendelson	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	Prof. Y. Birk		2
049040	Codes on Graphs and Iterative Decoding Algorithms	Prof. I. Sason	2	
049044	Lossy Data Compression	Prof. N. Merhav	2	
049050	Advanced Topics in Nano-Electronics 1	Prof. E. Yalon	2	
049053	Machine Learning Laboratory	DR D. Sudri	4 Lab	4 Lab
049056	Shape Analysis	Prof. A. Tal		2