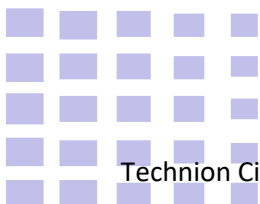
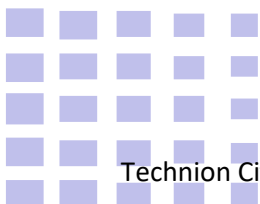


Graduate Studies Course Schedule Winter Semester 2024-2025

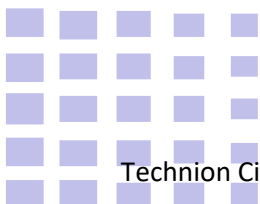
Course Name	Course No.	Lecturer	Hours	Room no.
Sunday				
+ Integrated Circuits- Introduction to VLSI	460237	Prof. A. Kolodny	9:30-11:30	
Computational Photography	480000	Prof. A. Levin	9:30-11:30	
+ Quantum Technologies	460243	Prof. I. Kaminer	10:30-12:30	
+ Introduction to Robotics	460212	Prof. A. Tamar	10:30-12:30	
+ Principles and Tools for Computer Security	460280	Prof. I. Eyal	10:30-12:30	
+ Electrooptical Semiconductor Detecting Devices	460773	Prof. Y. Nemirovsky	12:30-14:30	
+ Hardware Formal Verification	460881	Dr. Ziad Hana	12:30-14:30	
+ Logic Automation VLSI Systems	460880	Dr. E. Zehavi	13:30-15:30	
Three Dimensional Imaging and Construction	490062	Prof. Y. Schechner	14:30-16:30	
Advanced Subjects in Electro optics 2: Subject: <u>Frontiers of quantum sensing</u>	480867	Prof. I. Kaminer	14:30-16:30	
+ Formal Languages and Compilation	460266	Dr. E. Zax	16:30-18:30	
+ Introduction to Digital Communication	460206	Prof. Shlomo Shamai (Shitz)	16:30-18:30	
Hardware Security-from Theory to Practice	480891	Prof. A. Mendelson	16:30-18:30	
Array Signal Processing and Analysis	480828	Prof. I. Cohen	16:30-18:30	



Monday				
+ Machine Learning	460195	Prof. K. Levi	08:30-10:30	
+ Digital Signal Processing	460745	Prof. G. Gilboa	09:30-11:30	
+ Quantum Optoelectronics	460052	Prof. E. Buks	9:30-11:30	
+ Image Processing and Analysis	460200	Prof. I. Cohen	10:30-12:30	
Adv.topics in Systems Learning Control 3. Subject: <u>Advanced Optimization Methods for ML</u>	480717	Prof. K. Levi	10:30-12:30	
+ Distributed System Principles	460272	Prof. N. Ben David	10:30-12:30	
+ Photonics and Lasers	460248	Prof. M. Horowitz	12:30-14:30	
+ Structure of Operating Systems	460209	Mr. H. Gazit	12:30-14:30	
Polar Codes	490061	Prof. I. Tal	12:30-14:30	
+ Int. to Flexible Organic Electronics	460012	Prof. N. Tessler	12:30-14:30	
Oxide Physics and Devices	480812	Prof. L. Kornblum	13:30-15:30	
+ Computer Architecture	460267	Prof. Y. Etsion	14:30-16:30	
+ Random Signal Processes	460201	Prof. N. Merhav	14:30-16:30	
+ Quantum Information Theory	460734	Prof. U. Pereg	14:30-16:30	
Variational Methods in Image Processing	490064	Prof. G. Gilboa	14:30-16:30	
Advanced Topics in Deep Learning: Transformers	480010	Prof. J. Keshet	15:30-17:30	
+ Topics in Fiber Based Ultrafast Sources	470100	Prof. P. Sidorenko	15:30-17:30	
Tuesday				
+ Visual and Auditory Systems	460332	Prof. Y. Schechner	08:30-10:30	
Topics in Image and Video Compression	480006	Mr. D. Porat	09:30-11:30	
+ Silicon Photonics	460251	Prof. A. Zadok	10:30-12:30	
Coded Communications	480934	Prof. N. Merhav	10:30-12:30	



+ Data Analysis	460202	Prof. R. Meir	10:30-12:30	
Blockchain and Cryptocurrency Protocols	480888	Prof. I. Eyal	10:30-12:30	
+ Deep Learning	460211	Prof. D. Soudry	12:30-14:30	
+ Information Theory	460733	Prof. Y. Steinberg	13:30-15:30	
+ Antennas and Radiation	460256	Prof. A. Epstein	13:30-15:30	
+ Deep Learning for Speech Signals	460747	Prof. J. Keshet	15:30-17:30	
+ Topics in Nano-Electronics	460232	Prof. Y. Yaish	15:30-17:30	
Multi-User Information Theory	490027	Prof. Y. Steinberg	16:30-18:30	
Wednesday				
+ Physical Principles of Semi Conductor	460225	Prof. Y. Yaish	9:30-11:30	
Adv. Top. in Systems Learning Control 2. Subject: <u>Safe and Robust Reinforcement Learning</u>	480716	Prof. S. Manor	9:30-11:30	
+ Int. to Power Systems Smart Grids	460042	Prof. Y. Levron	9:30-12:30	
+ Analog Circuit Design	460187	Dr. R. El Bahar	9:30-11:30	
+ Algo and App. in Computer Vision	460746	Prof. A. Levin	10:30-12:30	
Seminar in Correctness Guarantees	480890	Prof. D. Drachsler Cohen	10:30-12:30	
+ Analog Filters Design	460189	Dr. A. Dyskin	16:30-18:30	
Des. Amd Manag. of Noncooper. Com. Nets.	480980	Prof. A. Orda	16:30-18:30	
Thursday				
+ Computer Networks and Internet 2	460005	Prof. Y. Cassuto	9:30-11:30	



+ Statistical Inference	460010	Prof. N. Weinberger	9:30-11:30	
+ Quantum Mechanics	460241	Prof. E. Buks	9:30-11:30	
+ Int.to Biological Signals & Systems	460326	Prof.D. Soudry	10:30-12:30	
Selected topics in deep learning on graphs	480102	Prof. H. Maron	10:30-12:30	
+ Machine Learning	460195	Prof. Y. Romano	12:30-14:30	

Those who are interested in the following laboratories, please contact the following Professors

0480712	Electrooptics Laboratory 2	Prof. M. Horowitz
0480966	Microelectronics Laboratory	Prof. E. Yalon
0480836	The HFIC Lab	Prof. E. Cohen
0480877	Hardware and Software Laboratory	Prof. D. Drachsler Cohen
0480967	Computer Networks Laboratory	Prof. I. Keslassy
0480976	Laboratory in Parallel Systems	Prof. Y. Cassuto
0480933	Communications Laboratory	Prof. A. Cohen
0480816	Signal Processing Laboratory	Prof. I. Cohen
0480747	Biological Signals & Systems Laboratory	Prof. G. Gilboa
0480922	Vision Image Structure and Computer Vision Lab	Prof. G. Gilboa
0490005	Control Topics Laboratory	Prof. N. Shimkin
0490006	Electromagnetic Waves Laboratory	Prof. A. Epstein
0490053	Machine Learning Laboratory	Prof. D. Soudry
0480852	Advanced Energy Conversion Laboratory	Prof. Y. Levron

+ Undergraduate and Graduate Courses

* For your attention, there may be changes in the program which will be updated on the faculty website.

