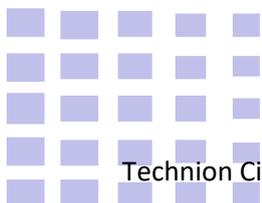


Graduate Studies Course Schedule Winter Semester 2024-2025

Course Name	Course No.	Lecturer	Hours	Room no.
Sunday				
+ Quantum Technologies	460243	Prof. I. Kaminer	9:30-11:30	
+ Renewable Energy Systems	460044	Dr. R. Machlev	9:30-11:30	
+ Object-Oriented Programming and Design	460271	Mr. Y. Moshe	9:30-11:30	
+ Planning and Reinforcement Learning	460203	Prof. A. Tamar	10:30-12:30	
+ Micro Machining and Micro Electromechanics	460968	Prof. Y. Nemirovsky	12:30-14:30	
+ Computer Architecture	460267	Dr. E. Hadar	12:30-14:30	
+ Quantum Optics	460053	Prof. M. Orenstein	12:30-14:30	
Selected Topics in Robot Learning	480201	Prof. A. Tamar	13:30-15:30	
+ Image Processing and Analysis	460200	Prof. Y. Schechner	14:30-16:30	
+ Machine Learning	460195	Prof. Y. Romano	16:30-18:30	
+ Dynamic Binary Translation Optimization	460275	Dr. G. Haber	16:30-18:30	
Monte-Carlo for Computation Learning	480104	Prof. N. Shimkin	16:30-18:30	
Monday				
+ Integrated Circuits- Introduction to VLSI	460237	Prof. Ariel Cohen	8:30-10:30	
+ Introduction to Medical Imaging	460831	Prof. G. Gilboa	9:30-11:30	
+ Superconducting Quantum Devices	460240	Prof. E. Buks	9:30-11:30	



Geometric Data Processing and Analysis	480004	Prof. R. Talmon	9:30-11:30	
+ Computer Networks for Learning Systems	460007	Mr. G. Bloch	10:30-12:30	
+ Laboratory Course in Nano-Electronics	460239	Prof. N. Tessler	10:30-12:30	
+ Principles of Reliable Distributed Systems	460272	Prof. N. Ben-David	10:30-12:30	
Advanced Topics in Software Systems Security	480082	Dr. Y. David	10:30-12:30	
Advanced Topics in VLSI 2	490037	Prof. N. Wainstein	10:30-12:30	
Statistical Methods in Image Processing	480954	Prof. T. Michaeli	11:30-13:30	
Advanced Topics in Quantum Optics	480402	Prof. A. Karnieli	12:30-14:30	
+ Introduction to Coding Theory in Communication	460205	Prof. I. Sason	12:30-14:30	
Signal Processing in Digital Health	480351	Dr. D. Lange	13:30-15:30	
+ Control Systems 2	460192	Prof. N. Shimkin	14:30-16:30	
+ Topics in Hardware / Software Co-design	460882	Prof. Y. Etsion	14:30-16:30	
Information in Storage Devices	490063	Prof. Y. Cassuto	14:30-16:30	
+ Introduction to Fiber Optics Communication	460342	Prof. P. Sidorenko	15:30-17:30	
+ Computer Networks and Internet 2	460005	Dr. J. Yallouz	15:30-17:30	
+ High Performance Parallel Computing	460279	Dr. Y. Aridor	15:30-17:30	
+ Physical Design Automation of VLSI Systems	460918	Dr. K. Moiseev	15:30-17:30	
+ Deep Learning and Groups	460215	Prof. H. Maron	15:30-17:30	
Seminar in Computer Systems Engineering	480886	Prof. Y. Etsion	16:30-18:30	
Tuesday				
+ Design and Analysis of Algorithms	460002	Prof. K. Solovey	8:30-10:30	
+ Biological Neural Networks: Computation Information Processing and Learning	460041	Prof. O. Barak	9:30-11:30	
+ RF CMOS Integrated Circuits	460903	Prof. E. Cohen	10:30-12:30	

+ Electro-Optic Systems	460249	Prof. A. Rosenthal	10:30-12:30	
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+ Correctness Guarantees for Software	460277	Prof. D. Drachsler Cohen	10:30-12:30	
+ Mobile Robots	460213	Prof. K. Solovey	11:30-13:30	
+ Information Theory	460733	Prof. I. Sason	11:30-13:30	
Analytical Methods in Wave Theory 1	480823	Prof. A. Epstein	13:30-15:30	
+ Deep Learning	460217	Prof. J. Keshet	14:30-16:30	
+ Introduction to Digital Communication	460206	Prof. Alejandro Cohen	14:30-16:30	
Polar Codes	490061	Prof. I. Tal	14:30-16:30	
Advanced Topics: Autonomous Driving, Racing	480202	Prof. K. Solovey	14:30-16:30	
+ Computational Accelerators and Accelerated Systems	460278	Prof. M. Silberstein	15:30-17:30	
+ Foundations of Stochastic Processes	460868	Prof. R. Atar	16:30-18:30	
+ Mixed Signal Electronic Circuits	460188	Dr. C. Jakobson	16:30-18:30	

Wednesday

+ Introduction to Departmental Research	460887	Prof. Y. Birk	8:30-9:30	
+ High-Speed Communication Channels	460864	Mr. E. Gerson Mr. E. Einy	9:30-11:30	
+ Machine Learning	460195	Prof. H. Maron	9:30-11:30	
+ Modern Quantum Computing	460054	Dr. O. Reinhardt	9:30-11:30	
+ Structure of Operating Systems	460209	Mr. H. Gazit	10:30-12:30	
Optical Propagation in Scattering Media and Its Application to Biomedical Imaging	480907	Prof. A. Rosenthal	10:30-12:30	
+ Physical Principles of Semiconductor Devices	460225	Dr. E. Ber	15:30-17:30	
Advanced Topics in Computer Networks for AI Data Centers	480081	Prof. M. Silberstein	16:30-18:30	
Network Coding for Advanced Information	480250	Prof. Alejandro Cohen	16:30-18:30	

Thursday				
+ Design of Power Electronics Circuits	460045	Mr. S. Borenstein	8:30-10:30	
+ Modern Communication Techniques	460208	Dr. N. Weinberger	9:30-11:30	
Selected Topics in Circuits and System Design for Optical Transceivers	480450	Prof. Ariel Cohen	9:30-11:30	
+ Quantum Secrecy	460735	Prof. U. Pereg	11:30-13:30	
Topics in Deep Learning for Medical Imaging	480350	Prof. E. Shimron	12:30-14:30	
Probability and Stochastic Processes	480300	Prof. R. Atar	14:30-16:30	

Open laboratories courses under the supervision of faculty professors

0480712	Electro-optics Laboratory 2	Prof. M. Horowitz
0480966	Microelectronics Laboratory	Prof. L. Kornblum
0480836	The HFIC Lab	Prof. E. Cohen
0480877	Hardware and Software Laboratory	Prof. D. Drachsler Cohen
0480967	Computer Networks Laboratory	Prof. D. Drachsler Cohen
0480976	Laboratory in Parallel Systems	Prof. Y. Cassuto
0480933	Communications Laboratory	Prof. Alejandro Cohen
0480816	Signal Processing Laboratory	Prof. R. Talmon
0480747	Biological Signals & Systems Laboratory	Prof. G. Gilboa
0480922	Vision Image Structure and Computer Vision Lab	Prof. G. Gilboa
0490005	Control Topics Laboratory	Prof. K. Levy
0490006	Electromagnetic Waves Laboratory	Prof. L. Schächter
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.

