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Sackler Faculty of Medicine
Tel Aviv University

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[This site](#) / Global search

[About Us](#) | [Applicants](#) | [International](#) ▾ | [M.Sc.](#) | [Ph.D.](#) | [Our Faculty](#) | [Research](#) | [Resources](#) | [Contact](#)

□ > [Faculty of Medicine](#) > [School of Graduate S...](#) > [Elective Courses](#)

Elective Courses

Fast Links



[Hebrew Site](#)
[Faculty of Medicine](#)
[Library](#)
[Campus Map](#)
[Academic Calendar](#)
[Student Portal](#)
[Moodle](#)

*Courses in English are indicated under Course Type

**Courses may be given in English upon request at least 3 weeks before the start of the course. Please make request to the Graduate School Office; not guaranteed.

***Course not offered in 2019-2020, see Semester

Semester	Course no.	Course Name	Course Type	Professor	Day	Time
Fall	0116.5942.01	New Horizons in Drug Delivery Systems	Lecture English	Dr. Ronit Satchi-Fainaro	Sun	10-12
Fall***	0116.5926.01	Neurobiology: molecules, brain, and behavior	Lecture English	Dr. Yoni Haitin	Sun	12-3
Fall	0116.5930.01	New Aspects in Molecular Neurology and Neurophysiology	Lecture**	Prof. Inna Slutsky	Mon	9 –12
Fall	0103.0046.01	Basic Research Methods in Biology	Lecture English	Dr. Noam Shomron Prof. Levy Carmit	Tues	14-16
Fall	0103.7002.01	Advanced Scientific Writing Course	English		Wed	14- 16
Fall	0116.5948.01	Hypertension	Lecture	Prof. Ehud Grossman	Mon	12 –14
Fall	0103.7001.01	Scientific Communication Skills	Workshop English	Prof. Neta Erez	Tue	12 –14
Fall	0117.5631.01	Breakthroughs in Cancer Immunotherapy	Lecture English	Dr. Yaron Carmi	Thurs	12- 14
Fall	0119.5648.01	Introduction to Flow Cytometry	Lecture English	Prof. Motti Gerlic	Tues	10 –12
Fall***	0114.6592.01	New Horizons in RNA Processing	Lecture English	Prof. Gil Ast		
Fall	0114.6598.01	Focused Cancer Treatment: Past, Present and Future	Lecture + Tutorial	Dr. Osnat Ashur-Fabian	Mon	14 –16
Fall	0116.5937.01	Ion Channels: Classical and Molecular Biophysics	Lecture English	Prof. Nathan Dascal	Tue	16 –18
Fall	0141.2001.01	Human Reproduction	Lecture	Dr. Daniel Seidman	Mon	10 –12
Fall***	0103.0043.01	Foundations of Biomechanics: From Engineering Theories to the Mechanical Qualities of Tissues	Lecture + Tutorial	Prof. Tamar Brosh	Wed	12 –14
Fall	0119.5640.01	The World of Fungi	Lecture	Prof. Nir Oshrov	Thu	10 –12
Fall	0103.8000.01	Paths to Medicine	Lecture	Prof. Ilan Tsarfaty	Tues	13-15
Fall***	0119.5643.01	Principles of	Lecture	Prof. Esther	Tues	12-14

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		Diagnosis and Host Pathogen Interactions Mycoses				
Fall	0113.5523.01	Functional Neuroanatomy	Lecture	Prof. Haim Pick	Sun	14-16
Fall	0119.5636.01	Confocal microscopy: Cellular and Molecular Imaging	Lecture	Prof. Ilan Tsarfaty	Wed	12-14
Fall	0103.5058.01	How to Analyze and Present Experimental Data: Introduction to Prism and Excel	Workshop English	Prof. Jonathan Leor	Times will be announced	
Fall***	0113.5552.01	Bone Structure and Function	Lecture+ Tutorial	Dr. Yankel Gabet	Sun	10-12
Fall***	0117.5628.01	The Environment of Cancerous Cells	Lecture+ Tutorial	Dr. Liat Drucker	Sun	14-16
Fall***	0114.6599.01	Proteomics and its Applications in Biological Research	Lecture + Tutorial English	Prof. Tamar Geiger		
Fall	0117.5620.01	Colon Cancer	Lecture	Dr. Nadir Arber Dr. Shiran Shapira	Tues	16-18
Fall***	0118.5629.01	Cell Mediators: Neuropeptides and Causes of Growth	Lecture+ Tutorial	Prof Illana Gozes		
Fall***	0141.5119.01	Transgene Models for Human Pathology	Lecture+ Tutorial English	Dr. Limor Landsman	Thurs	12-14
Fall	0103.0032	Decision Theory: Health Systems Applications	Lecture	Dr. Tomer Ziv	Wed	10-12
Fall***	0116.5936.01	Advanced Brain Imaging of Neuropathology	Lecture	Dr. Daphna Ben-Besht	Thurs	10-12
Fall***	0114.6595.01	Pathophysiology of Obesity: Metabolic and Genetic Aspects	Lecture+ Tutorial	Dr. Hanna Canti Dr. Yosef Roitelman	Wed	14-16
Fall***	0141.5117.01	Advanced Issues in Ophthalmology and Vision	Lecture	Dr. Ygal Rotenstreich	Tues	14-16
Fall	0103.5059.01	Bioinformatics in Medical Imaging- Focusing on Cancer Research	Lecture	Dr. Artzi Moran	Sun	12-14
Fall	0103.5063.01	Drug Development	Lecture	Prof. Noam Shomron	Sun	16-18
Fall	0103.5062	Digital Health of the Neural System- From Monitoring to Intervention	Lecture	Dr. Inbal Meidan	Wed	14-16
Fall	0103.5066.01	The Microbiome in Health and Disease	Lecture English Register for this course directly through Niza Kahlon	Dr. Buck Samuel	Mon, Wed Dec. 16, 18, 23, 25, 30 Jan 1	14-18
Fall	0103.5067.01	Developmental Neurobiology	Lecture English Register for this course directly through Niza Kahlon	Dr. Melanie Samuels	Mon, Wed Dec 16, 18, 23, 25, 30 Jan 1	09-13
Spring	0113.5554.01	Introduction to Physical Anthropology: the stories behind	Lecture		Sun	12-14
Spring***	0114.6600.01	Behavioral Genetics	Lecture+ Tutorial	Dr. David Gurwitz		
	0119.5649.01	Flow cytometry of cells- laboratory	Lab	Dr. Mordechai Gerlic		

Spring	0103.5960.01	New Horizons in Nanotechnology	Lecture+ Tutorial	Dr. Lihi Adler-Abramovich	Sun	10-12
Spring	0491.3251.01	Selected Topics in Neuroimaging	Lecture	Dr. Ido Tavor Dr. Tom Schonberg	Wed	10-12
Spring	0621.1217.01	Introduction to the History of Modern Medicine	Lecture	Dr. Amir Teicher	Tues	16-18
Spring	0103.5065.01	Novel Horizons in Fertility Research	Lecture		Mon	16-18
Spring	0117.5627.01	Diagnosis and Treatment of Pulmonary Disease	Lecture	Dr. Lizzie Fireman	Tues	16-18
Spring***	0103.5061.01	Protein Modifications and Cell Signaling	Lecture English	Prof. Rina Rosin-Arbesfeld Prof. Limor Broday Prof. Hagit Eldar-Finkelman	Tues	14-17
Spring	0113.5554.01	Introduction to Physical Anthropology	Lecture	Prof. Yoram Boker	Sun	12-14
Spring***	0141.5062.01	Mechanobiology of Cells and Tissues	Lecture English	Prof. Ronen Zaidel-Bar		
Spring	0119.5651.01	Context and Site Dependent Immunology	Lecture	Dr. Chen Varol	Sun	10-12
Summer	0114.6602.01	The Genetic Basis of Skin Diseases	Lecture English	Dr. Carmit Levy Prof. Eli Sprecher		details will be posted
Spring	0119.5638.01	Molecular Imaging	Lecture	Prof. Ilan Tsarfaty	Mon	14 –16
Spring	0103.5057.01	Data Analysis and Graphics Editing	Workshop English	Prof. Tamar Geiger		4 sessions details will be posted
Spring***	0116.5947.01	Molecular Communication in Nerve Cells	Lecture + Tutorial English	Prof. Eran Perelson		
Spring	0117.5618.01	Introduction to Pathology 1	Lecture	Dr. Efrat Wertheimer	Mon	12-14
Spring	0114.6545.01	Genetics in the Post-Genomic Era	Lecture English	Prof. Karen Avraham	Wed 11.3, 25.3, 1.4, 22.4, 6.5, 3.6, 10.6	12 - 14
Spring***	0116.5923.01	Introduction to Pharmacogenomics and biomarkers in the era of personalized medicine	Lecture English	Dr. David Gurwitz Dr. Yair Bar	Mon	14-16
Spring	0117.5618.01	Introduction to Theory of Diseases	Lecture	Prof. Efrat Wertheimer	Mon	12 –14
Spring	0103.0042.01	Tall and Small-Molecular Aspects	Lecture + Tutorial	Dr. Galia Gat Yablonski	Mon	10 –12
Spring	0119.5262.01	Cancer Immunology and Immunotherapy	Lecture + Tutorial	Dr. Gal Merkel	Sun	8 –10
Summer***	0103.0033.01	Introduction to Tissue Engineering	Lecture	Prof. Jonathan Leor		
Spring***	0119.5647.01	Autoimmune disease: Innovative Treatments	Seminar	Prof. Miri Blanc	Wed	12- 13
Spring***	0116.5946.01	Sleep and Consciousness: From Neurological Foundations to Cognitive Processes	Lecture English	Dr. Yuval Nir		

Spring	0114.6573.01	Bioinformatics in the era of OMICS	Lecture English	Dr. Ran Elkon	Wed	16 –18
Spring	0141.5115.01	Ovarian Physiology and Human Reproduction	Lecture	Dr. Ariel Horowitz	Tue	8 –10
Spring	0119.5632.01	Introduction to Autoimmune Diseases	Lecture	Prof. Yehuda Schoenfeld	Thu	12 –14
Spring	0117.5622.01	Intracellular Movement and the Dynamics of Organelles in Living Cells	Lecture **	Prof. Koret Hirschberg	Tues	14-16
Spring	0119.5654.01	Virulence Mechanisms of Human Pathogenetic Material	Lecture		Thurs	10-12
Spring	0116.5130.01	Mechanisms of Regulation and Control	Lecture	Prof. Joseph Same	Tues	12-14
Spring***	0119.5641.01	Genetic Mechanisms for Disease Resistance	Lecture+Tutorial	Dr. Chen Varol	Sun	10-12
Spring	0114.6574.01	Cell and Genetic Therapy in Neurological Diseases	Lecture English	Prof. Dani Offen	Wed	14-16
Spring***	0118.5633.01	The Cell Skeleton in the Nervous System	Lecture	Prof. Illana Gozes		
Spring***	0103.0047.01	Neurogenetics	Lecture	Dr. Doron Gothelf	Mon	14-16
Spring***	0103.0049.01	The Biology of Telomeres in Aging and Cancer	Lecture	Prof. M Lahav		
Spring***	0141.2007.01	Select Issues in Molecular Cell Biology	Lecture+Tutorial English	Prof. Roni Sagi-Eisenberg Prof. Drorit Neumann	Tues	12-14
Summer	0141.5116.01	Issues in Translational Medicine: From Basic Research to the Clinic	Lecture	Prof. Dalit Ben-Yosef		details will be posted
Summer***		Advanced Imaging Techniques	English	Prof. Ronen Zaidel-Bar		
Summer***	0141.2005.01	Cell Death in Vaccination and Disease	Lecture	Prof. Zvi Fishelson		
Spring***	0116.5945.01	Advances in Brain Tumor Treatment and MRI	Lecture + Tutorial	Dr. Yael Mardor		
Courses in Epidemiology and Public Health						
Fall	0158.1011.01	Introduction to Epidemiology	Lecture	Dr. Raz Gross	Tues	12-14
Fall	0158.1122.01	Introduction to Epidemiology	Exercise	Dr. Tomer Ziv	Wed	14-16
Fall	0146.1101.01	Cost-Benefit Analysis in Health Systems	Lecture + Tutorial	Prof. Moshe Leshno	Wed	08 –10
Fall	0158.1113.01	Nutritional Epidemiology	Lecture + Tutorial	Dr. Ayelet Adar-Sigal	Wed	10 –12
Fall	0158.1201.01	Clinical Experiments	Lecture + Tutorial	Dr. Michal Benderly	Wed	16 –18
Fall	0158.1010.01	Epidemiology of TB and STDs	Lecture	Dr. Mor Zohar	Wed	08-10
Fall	0158.1015.01	Advanced biostatistical methods	Lecture	Dr. Daniel Nevo	Wed	09-12
Fall	0146.1121.01	Well being and health promotion	Lecture	Dr. Shachar Lev-Ari	Wed	10-12
	0158.1001.01	Epidemiology of	Lecture+		Wed	12-14

Fall		infections diseases	Tutorial	Prof. Daniel Cohen Dr. Khitam Muhsen		
Fall	0146.1008.01	Healthcare operations management	Lecture+ Tutorial	Dr. Tomer Ziv	Wed	12-14
Spring	0146.1010.01	Introduction to healthcare accounting	Lecture	Prof Ofer Ben Ezra Prof Yariv Helman	Mon	18-20
Spring	0158.1013.01	Research methods in epidemiology	Lecture+ Tutorial	Dr. Khitam Muhsen	Tues	08-10
Spring	0158.1110.01	Biostatistics B	Lecture+ Tutorial	Dr. Nira Morag-Koren	Tues	10-14
Spring	0158.1007.01	Technological Management in Health Systems	Lecture	Dr. Orna Tal	Wed	12 –14
	0146.1103.01	Smoking: Epidemiology and Health Promotion	Lecture + Tutorial	Dr. Leah Rosen		
	0158.1117.01	Maternal and Child Health	Lecture	Prof. Liat Lerner-Geva		

Courses in Life Science

Fall	0452.3117.01	Basic Techniques in Molecular and Cellular Biology	English	Prof. Uri Ashery Prof. Gerardo Lederkremer	Wed	12- 14
Fall***	0455.3045.01	Nanobiotechnology	Lecture	Prof. Tal Dvir	Wed	14-16
Fall	0455.3063.01	Developmental Biology	Lecture	Dr. Omri Wurtzel Dr. Limor Landsman Dr. Chen Lucxenber	Sun	14-17
Fall	0455.3034.01	Pathogenic Viruses: Molecular Mechanisms	Lecture	Prof. Eran Bachrach Dr. Adi Stern-Grundland Dr. Oren Kobiler Dr. Ella Sklan	Sun	11-12
Fall	0455.3682.01	Genetics of Microorganisms and Control of Gene Expression	Lecture	Prof. Uri Gophna Dr. Anat Herschkowitz	Mon Thurs	10-12 12-14
Fall	0455.3505.01	Brain Mapping and Neuroimaging	Lecture	Prof. Yaniv Assaf Dr. Tom Schonberg	Sun	09-12
Fall	0455.3360.01	Genetic Engineering	Lecture	Dr. Michal Kolot	Sun Tues	09-11 14-15
Fall	0455.3798.01	Signaling Pathways Controlling Cell Differentiation Cell Growth	Lecture	Prof. Ronit Pinkas-Kramarski Prof. Reuven Stein	Sun Mon	13-14 12-14
Fall	0431.4603.01	Biostatistics	English	Dr. Orr Spiegel Dr. Ofir Levy	Wed Thurs	10-12 14-15
Spring	0455.3363.01	Organization Dynamics and Cell Signaling: Imaging and Biophysical Approaches	Lecture	Prof. Yoav Henis	Tues	10-12
Spring	0455.3832.01	Pathologies in the 21st Century	Lecture	Prof. Adit Ben-Baruch Prof. Ariel Munitz Prof. Drorit Neumann Prof. Dan Frenkel	Mon	10-12
Spring**	0440.3125.01	Advanced cell biology: Cellular Responses to Stress in Health and Disease	English if request made	Prof. Orna Elroy-Stein Prof. Gerardo Lederkremer Prof. Marcelo Ehrlich	Wed	08- 10
Spring	0421.3811.01	Selected Chapters in Cancer Biology	English	Dr. Dinorah Morvinski Prof. Adit Ben-Baruch Dr. Lior Mayo Dr. Vered Padler-Karavani	Mon	14- 16
Spring	0491.3251.01	Selected Topics in Nerve Imaging	Lecture	Dr. Tom Schonberg Dr. Ido Tavor	Wed	10-12



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- Computer Services
- Academic Calendar
- Accessibility Statement
- Terms of Use
- Data Protection

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- Graduate Programs
- Undergrad Programs
- Language Programs
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