

**GRADUATE SCHOOL OF BIOMEDICAL SCIENCES
FALL 2024 COURSE OFFERINGS**

BIOCHEMISTRY AND MOLECULAR BIOLOGY

CRN #	Catalog #	Credits	Title/Instructor	Day	Time	Location
16129	BCHM 1010	4	General Biochemistry I <i>TBD</i>	Tues. & Thurs.	4:00-5:50 pm	In-Person: Chouake
17252	BCHM 1250	4	Biochemistry of Gene Expression <i>Dr. Esther Sabban</i>	Mon. & Wed.	6:00-7:50 pm	In-Person: BSB 112
17253	BCHM 2330	2	Vitamins and Minerals <i>Dr. John Pinto</i>	Monday	4:00-5:50 pm	In-Person: BSB 112
17254	BCHM 7010	1	Directed Readings in Specialized Topics <i>Topic and Instructor - To Be Arranged</i> <i>Dr. Victor Fried</i>		To Be Arranged	
17255	BCHM 8020	1	Departmental Seminar and Journal Club <i>Dr. Victor Fried</i>	TBD		

RESEARCH AND THESIS COURSES

CRN #	Catalog #	Credits	Title/Instructor	Location
17256	BCHM 8311	1	Teaching Assistance in Biochemistry and Molecular Biology	Dr. Victor Fried
17257	BCHM 8312	2	Teaching Assistance in Biochemistry and Molecular Biology	Dr. Victor Fried
17258	BCHM 9110	1	Research Rotation in Biochemistry & Molecular Biology*	Dr. Victor Fried
17259	BCHM 9200	1	Research Techniques in Biochemistry & Molecular Biology*	Dr. Victor Fried
17261	BCHM 9800	1-5	Master's Thesis Research	Dr. Victor Fried
17262	BCHM 9900	1	Doctoral Dissertation Research*	Dr. Victor Fried

*Open to PhD Students Only

CELL BIOLOGY

CRN #	Catalog #	Credits	Title/Instructor	Day	Time	Location
16139	CBAM 1320	3	Lectures in Histology <i>Dr. Ken Lerea (Limit = 50)</i>	Mon. & Wed.	4:30-5:50 pm	In-Person: Chouake
16141	CBAM 1330	2	Laboratory in Histology <i>Dr. Ken Lerea</i> (Enrollment Limit = 20; co-req CBAM 1320)	Mon. & Wed.	6:00-7:50 pm	In-Person: MEC 309
17266	CBAM 8020	1	Research Seminar <i>Dr. Victor Fried</i>	Wednesday	2:00-2:50 pm	In-Person: BSB 210
17267	CBAM 7101	1	Novel Mechanisms in Protein Synthesis <i>Dr. Victor A. Fried</i> <i>Enrollment Limit = 9</i> (second year MS or Ph.D. students only; Biochem I required)	Friday	11:00-1:00 pm	In-Person: BSB 210

RESEARCH AND THESIS COURSES

CRN #	Catalog #	Credits	Title/Instructor	
17269	CBAM 8311	1	Teaching Assistance in Cell Biology and Anatomy	Dr. Victor Fried
17271	CBAM 8312	2	Teaching Assistance in Cell Biology and Anatomy	Dr. Victor Fried
17272	CBAM 8320	2	Teaching Assistance Histology	Dr. Ken Lerea
17278	CBAM 9110	1	Research Rotation in Cell Biology & Neuroscience*	Dr. Joseph Etlinger
17279	CBAM 9200	1	Research Techniques in Cell Biology*	Dr. Victor Fried
17280	CBAM 9800	1-5	Master's Thesis Research	Dr. Victor Fried
17281	CBAM 9900	1	Doctoral Dissertation Research*	Dr. Victor Fried

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MICROBIOLOGY AND IMMUNOLOGY

CRN #	Catalog #	Credits	Title/Instructor	Day	Time	Location
17282	MCRM 1010	4	General Microbiology I <i>Dr. S. Bakshi, Dr. R. Tiwari & staff</i>	Mon. & Wed.	4:00-5:50 pm	In-Person: BSB 307
17283	MCRM 2010	2	Basic Immunology <i>Drs. Raj Tiwari, Jan Geliebter & Carl Hamby</i>	Tuesday	4:00-5:50 pm	In-Person: BSB 307
17284	MCRM 7010	1-2	Directed Readings in Microbiology <i>Topic and Instructor - To Be Arranged</i> <i>Dr. S. Bakshi</i>		To Be Arranged	
17285	MCRM 7200	2	Current Topics in Microbiology & Immunology: Systems Approaches to Infectious Diseases <i>Dr. Dana Mordue</i>	TBD	TBD	In-Person: BSB 307
17286	MCRM 8020	1	Departmental Seminar <i>Dr. Raj Tiwari</i>	Friday	12:00-12:50 pm	In-Person: BSB 307
17287	MCRM 7101	1	Selected Topics in Microbiology & Immunology: Systems Approaches to Infectious Diseases <i>Dr. Dana Mordue</i> <i>Enrollment Limit = 9</i>	TBD	TBD	In-Person: BSB 307

RESEARCH AND THESIS COURSES

CRN #	Catalog #	Credits	Title/Instructor	
17289	MCRM 8311	1	Teaching Assistance in Microbiology and Immunology	Dr. Raj Tiwari
17290	MCRM 8312	2	Teaching Assistance in Microbiology and Immunology	Dr. Raj Tiwari
17291	MCRM 9110	1	Research Rotation in in Microbiology and Immunology *	Dr. Raj Tiwari
17292	MCRM 9200	1	Research Techniques in in Microbiology and Immunology *	Dr. Raj Tiwari
17293	MCRM 9800	1-5	Master's Thesis Research	Dr. Raj Tiwari
17294	MCRM 9900	1	Doctoral Dissertation Research*	Dr. Raj Tiwari

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PATHOLOGY

CRN #	Catalog #	Credits	Title/Instructor	Day	Time	Location
17295	PATM 1050	2	Conceptual Pathology <i>Dr. Tetyana Cheairs</i> <i>(PhD students & MS students (with instructor's permission only); co-req PATM 1080)</i>		TBD	In-Person: BSB 414
17296	PATM 1080	3	Introduction to Pathology <i>Dr. Tetyana Cheairs</i>	Thursday	4:30-7:20	Hybrid: BSB 414
17297	PATM 1110	3	Fundamentals of Animal Research <i>Dr. Sulli Popilskis</i> <i>(\$520 Lab Fee; Enrollment Limit = 12)</i>	Mon. & Wed.	5:00-7:50 pm	In-Person: BSB 711, 712
17298	PATM 7010	1-2	Directed Readings in Pathology <i>Topic and Instructor - To Be Arranged</i> <i>Dr. Tetyana Cheairs</i>		To Be Arranged	
17299	PATM 8010	1	Journal Club* <i>Dr. Tetyana Cheairs</i>	Wednesday	1:00 - 1:50 pm	Hybrid: Classroom TBD
17300	PATM 7101	1	Selected Topics in Cancer Biology <i>Dr. Dazhong Xu</i> <i>Enrollment Limit = 9</i>	Tuesday	6:00 -7:50 pm	In Person: BSB 414

RESEARCH AND THESIS COURSES

CRN #	Catalog #	Credits	Title/Instructor	
17301	PATM 8311	1	Teaching Assistance in Pathology	Dr. Tetyana Cheairs
17302	PATM 8312	2	Teaching Assistance in Pathology	Dr. Tetyana Cheairs
17303	PATM 9110	1	Research Rotation in in Pathology *	Dr. Tetyana Cheairs
17304	PATM 9200	1	Research Techniques in in Pathology *	Dr. Tetyana Cheairs
17305	PATM 9800	1-5	Master's Thesis Research	Dr. Tetyana Cheairs
17306	PATM 9900	1	Doctoral Dissertation Research*	Dr. Tetyana Cheairs

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PHARMACOLOGY

CRN #	Catalog #	Credits	Title/Instructor	Day	Time	Location
17307	PHRM 1010	4	Pharmacology I <i>Dr. Charles T. Stier</i>	Tues. & Thurs.	4:00-5:50 pm	In-Person: Room 511
17308	PHRM 7010	1-2	Directed Readings in Pharmacology <i>Topic and Instructor - To Be Arranged</i> <i>Dr. Charles T. Stier</i>		To Be Arranged	
17309	PHRM 7101	1	Selected Topics in Pharmacology <i>Dr. Austin Guo</i> <i>Enrollment Limit = 9</i>	Thursday	2:00-3:50 pm	In-Person: Room 511
17310	PHRM 8010	1	Journal Club <i>Dr. Sachin Gupte</i>	Wednesday	3:00-3:50 pm	In-Person: Room 511

RESEARCH AND THESIS COURSES

CRN #	Catalog #	Credits	Title/Instructor	
17311	PHRM 8311	1	Teaching Assistance in Pharmacology	Dr. Sachin Gupte
17312	PHRM 8312	2	Teaching Assistance in Pharmacology	Dr. Sachin Gupte
17313	PHRM 9110	1	Research Rotation in in Pharmacology *	Dr. Sachin Gupte
17314	PHRM 9200	1	Research Techniques in in Pharmacology *	Dr. Sachin Gupte
17315	PHRM 9800	1-5	Master's Thesis Research	Dr. Charles T. Stier
17316	PHRM 9900	1	Doctoral Dissertation Research*	Dr. Sachin Gupte

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PHYSIOLOGY

CRN #	Catalog #	Credits	Title/Instructor	Day	Time	Location
17317	PHYM 1010	4	Mammalian Physiology I <i>Dr. Marcello Rota, Dr. Brian Ratliff</i>	Mon. & Wed.	4:00-5:50 pm	In-Person: Cooke
17319	PHYM 7010	1-2	Directed Readings in Physiology <i>Topic and Instructor - To Be Arranged</i> <i>Dr. Carl Thompson</i>		To Be Arranged	
17320	PHYM 8010	1	Journal Club <i>Dr. Christopher Leonard</i>	Monday	12:00-12:50 pm	In-Person: BSB 609
17321	PHYM 8020	1	Seminar/Research Rounds * <i>Dr. Carl Thompson</i>		To Be Arranged	

RESEARCH AND THESIS COURSES

CRN #	Catalog #	Credits	Title/Instructor	
17322	PHYM 8311	1	Teaching Assistance in Physiology	Dr. Carl Thompson
17323	PHYM 8312	2	Teaching Assistance in Physiology	Dr. Carl Thompson
17324	PHYM 9110	1	Research Rotation in Physiology*	Dr. Carl Thompson
17325	PHYM 9200	1	Research Techniques in Physiology*	Dr. Carl Thompson
17326	PHYM 9800	1-5	Master's Thesis Research	Dr. Carl Thompson
17327	PHYM 9900	1	Doctoral Dissertation Research*	Dr. Carl Thompson

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BASIC MEDICAL SCIENCES

CRN #	Catalog #	Credits	Title/Instructor	Day	Time	Location
17328	BMSM 1200	2	Statistics for Basic Medical Sciences <i>Dr. Carl Thompson</i> PhD Students Only; Access to a PC-based computer required PERMISSION OF INSTRUCTOR REQUIRED FOR ALL OTHER STUDENTS	Tuesday	10:00-11:50 am	In-Person: BSB 609
17329	BMSM 7101	1	Frontiers in Science 1: Neurophysiology <i>Dr. William Ross - Enrollment Limit: 9</i>	Wednesday	2:00-3:50 pm	In-Person: BSB 609
17330	BMSM 7103	1	Selected Topics in Basic Translational Research Techniques <i>Dr. Austin Guo - PERMISSION OF INSTRUCTOR REQUIRED</i>	TBD	TBD	In-Person: Room 511
17331	BMSM 8030	1	Scientific Writing <i>Dr. John Pinto and Ms. Amy Stermer</i> Linked to BMSM 8041 and PERMISSION OF INSTRUCTOR REQUIRED	TBD	TBD	In-Person: BSB 112 COURSE BEGINS IN JULY
17332	BMSM 8041	1	Critical Analysis <i>Dr. John Pinto & Ms. Amy Stermer</i> PERMISSION OF INSTRUCTOR REQUIRED	TBD	TBD	In-Person: BSB 112 COURSE BEGINS IN JULY
17333	BMSM 8050	1	Graduate Research Workshop <i>Dr. Victor Fried & Dr. Ken Lerea</i> PERMISSION OF INSTRUCTOR REQUIRED Open to MS Track B Thesis Students Only	TBD	TBD	In-Person: BSB 210
17334	BMSM 8400	3	Internship in the Biomedical Sector (PSM students only) <i>Dr. Dana Mordue</i> PERMISSION OF INSTRUCTOR REQUIRED		To Be Arranged	

RESEARCH AND THESIS COURSES

CRN #	Catalog #	Credits	Title/Instructor	Location
17335	BMSM 9110	1	Research Rotation (1st year IPP students)*	Dr. Tetyana Cheairs
17336	BMSM 9800	1-5	Master's Thesis Research	Dr. Austin Guo
17337	BMSM 9920	1	Research for Exchange Students	Dr. Marina K. Holz

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MAINTENANCE OF MATRICULATION

CRN #	Catalog #	Credits	Title/Instructor	Day	Time	Room
17338	BMSM 1000	0	\$100 plus appropriate registration fees			