

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

**Please note that all exams will be offered in-person, on campus.  
Individual class dates may be offered remotely in exceptional cases only.**

**BIOCHEMISTRY AND MOLECULAR BIOLOGY**

CRN #	Catalog #	Credits	Title/Instructor	Day	Time	Room
16896	BCHM 1020	4	<b>General Biochemistry II</b> <i>Dr. Kristina H. Petersen</i> <i>Enrollment Limit: 70</i>	Tues. & Thurs.	4:00-5:50 pm	In-Person: Chouake
16927	BCHM 1250	4	<b>Biochemistry of Gene Expression - CANCELLED</b> <i>Dr. Esther Sabban and Dr. Shuai Gao</i>	Mon. & Wed.	4:00-5:50 pm (New Time)	In-Person: BSB 112
16928	BCHM 7010	1	<b>Directed Readings in Specialized Topics</b> <i>Course Director: Dr. Victor Fried</i> <i>Topic and Instructor - To Be Arranged</i>		To Be Arranged	
16929	BCHM 7102	1	<b>Phytonutrients as Epigenic and Metabolic Regulators of Cellular Functions in Normal and Disease States</b> <i>Dr. John T. Pinto</i> <i>Enrollment Limit: 9</i>		To Be Arranged	In-Person: BSB 112
16931	BCHM 8020	1	<b>Departmental Seminar and Journal Club</b> <i>Dr. Victor Fried</i>	Thursday	12:00-12:50 pm	In-Person: BSB 210

**RESEARCH AND THESIS COURSES**

CRN #	Catalog #	Credits	Title/Instructor	Instructor
16897	BCHM 8311	1	Teaching Assistance in Biochemistry and Molecular Biology	<u>Dr. Victor Fried</u>
16932	BCHM 8312	2	Teaching Assistance in Biochemistry and Molecular Biology	<u>Dr. Victor Fried</u>
16933	BCHM 9110	1	Research Rotation in Biochemistry & Molecular Biology*	<u>Dr. Victor Fried</u>
16934	BCHM 9200	1	Research Techniques in Biochemistry & Molecular Biology*	<u>Dr. Victor Fried</u>
16935	BCHM 9700	4	Master's Independent Study	<u>Dr. Victor Fried</u>
16936	BCHM 9800	1-5	Master's Thesis Research	<u>Dr. Victor Fried</u>
16937	BCHM 9900	1	Doctoral Dissertation Research*	<u>Dr. Victor Fried</u>

\*Open to PhD Students Only

**CELL BIOLOGY**

CRN #	Catalog #	Credits	Title/Instructor	Day	Time	Room
11466	CBAM 1360	3	<b>Cell Biology</b> <i>Dr. Ken Lerea &amp; staff</i> <i>Enrollment Limit: 40</i>	Tues. & Thurs.	6:00-7:20 pm	In-Person: Cooke
16939	CBAM 7102	1	<b>Cellular Pathways in Quality Control</b> <i>Dr. Victor Fried</i> <i>Enrollment Limit: 9</i>		To Be Arranged	In-Person: Room TBA
16940	CBAM 8010	1	<b>Departmental Seminar and Journal Club</b> <i>Dr. Victor Fried</i>	Thursday	12:00-12:50 pm	In-Person: BSB 210
16941	CBAM 8020	1	<b>Research Seminar</b> <i>Dr. Victor Fried</i>	Wednesday	2:00-2:50 pm	In-Person: BSB 210
16942	CBAM 8330	2	<b>Teaching Assistance in Neuroscience</b> <i>Dr. Libor Velisek</i> <b>PERMISSION OF INSTRUCTOR REQUIRED</b>		To Be Arranged	
16943	BMSM 1410	7	<b>Medical Neuroscience *</b> <i>Dr. Libor Velisek</i>	Various days/times		In-Person: Nevins

**RESEARCH AND THESIS COURSES**

CRN #	Catalog #	Credits	Title/Instructor
16944	CBAM 8311	1	<b>Teaching Assistance in Cell Biology and Anatomy</b> <b>Dr. Victor Fried</b>
16945	CBAM 8312	2	<b>Teaching Assistance in Cell Biology and Anatomy</b> <b>Dr. Victor Fried</b>
16946	CBAM 9110	1	<b>Research Rotation in Cell Biology &amp; Neuroscience*</b> <b>Dr. Joseph Etlinger</b>
16947	CBAM 9200	1	<b>Research Techniques in Cell Biology*</b> <b>Dr. Victor Fried</b>
16948	CBAM 9700	4	<b>Master's Independent Study</b> <b>Dr. Victor Fried</b>
16949	CBAM 9800	1-5	<b>Master's Thesis Research</b> <b>Dr. Victor Fried</b>
16950	CBAM 9900	1	<b>Doctoral Dissertation Research*</b> <b>Dr. Victor Fried</b>

\*Open to PhD Students Only

**MICROBIOLOGY AND IMMUNOLOGY**

<b>CRN #</b>	<b>Catalog #</b>	<b>Credits</b>	<b>Title/Instructor</b>	<b>Day</b>	<b>Time</b>	<b>Room</b>
16951	MCRM 1020	4	<b>General Microbiology II</b> <i>Dr. D. Mordue, Dr. P. Arnaboldi &amp; staff</i>	Mon. & Wed.	4:00-5:50 pm	In-Person: BSB 307
16952	MCRM 2020	2	<b>Advanced Immunology</b> <i>Dr. Raj Tiwari</i>	Thursday	4:00-5:50 pm	In-Person: BSB 307
16953	MCRM 2310	2	<b>Molecular Biology &amp; Immunology of Tumor Cells</b> <i>Dr. Raj Tiwari</i>	Tuesday	4:00-5:50 pm	In-Person: BSB 307
16955	MCRM 7010	1-2	<b>Directed Readings in Specialized Topics</b> <i>Course Director: Dr. C. Bakshi</i> <i>Topic and Instructor - To Be Arranged</i>		To Be Arranged	
16956	MCRM 7200	2	<b>Current Topics in Microbiology &amp; Immunology: Infectious Disease</b> <i>Dr. C. Bakshi</i>	Wednesday	6:00-7:50 pm	In-Person: BSB 307
16957	MCRM 7200	2	<b>Current Topics in Microbiology &amp; Immunology: Allergy, Inflammation and Probiotics</b> <i>Dr. Xiu-Min Li</i>	Thursday	10:00-11:50 am	In-Person: BSB 307
16958	MCRM 8020	1	<b>Departmental Seminar</b> <i>Dr. Raj Tiwari</i>	Friday	12:00-12:50 pm	In-Person: BSB 307

**RESEARCH AND THESIS COURSES**

<b>CRN #</b>	<b>Catalog #</b>	<b>Credits</b>	<b>Title/Instructor</b>	
16988	MCRM 8311	1	<b>Teaching Assistance in Microbiology and Immunology</b>	<b>Dr. Raj Tiwari</b>
16990	MCRM 8312	2	<b>Teaching Assistance in Microbiology and Immunology</b>	<b>Dr. Raj Tiwari</b>
16991	MCRM 9110	1	<b>Research Rotation in in Microbiology and Immunology *</b>	<b>Dr. Raj Tiwari</b>
16992	MCRM 9200	1	<b>Research Techniques in in Microbiology and Immunology *</b>	<b>Dr. Raj Tiwari</b>
16993	MCRM 9700	4	<b>Master's Independent Study</b>	<b>Dr. Raj Tiwari</b>
16996	MCRM 9800	1-5	<b>Master's Thesis Research</b>	<b>Dr. Raj Tiwari</b>
16999	MCRM 9900	1	<b>Doctoral Dissertation Research*</b>	<b>Dr. Raj Tiwari</b>

\*Open to PhD Students Only

**PATHOLOGY**

CRN #	Catalog #	Credits	Title/Instructor	Day	Time	Room
16959	PATM 1110	3	<b>Fundamentals of Animal Research</b> <i>Dr. Sulli Popilskis</i> <b>(\$515 Lab Fee; Enrollment Limit = 12)</b>	Wednesday	5:00-7:50 pm	In-Person: BSB 711, 712
16960	PATM 7010	1-2	<b>Directed Readings in Pathology</b> <i>Course Director: Dr. Tetyana Cheairs</i> <i>Topic and Instructor - To Be Arranged</i>		To Be Arranged	
16961	PATM 8010	1	<b>Journal Club*</b> <i>Dr. Tetyana Cheairs</i>	Wednesday	1:00-1:50 pm	In-Person: BSB 414

**RESEARCH AND THESIS COURSES**

CRN #	Catalog #	Credits	Title/Instructor	
17000	PATM 8311	1	Teaching Assistance in Pathology	Dr. Tetyana Cheairs
17002	PATM 8312	2	Teaching Assistance in Pathology	Dr. Tetyana Cheairs
17006	PATM 9110	1	Research Rotation in in Pathology *	Dr. Tetyana Cheairs
17007	PATM 9200	1	Research Techniques in in Pathology *	Dr. Tetyana Cheairs
17008	PATM 9700	4	Master's Independent Study	Dr. Tetyana Cheairs
17009	PATM 9800	1-5	Master's Thesis Research	Dr. Tetyana Cheairs
17010	PATM 9900	1	Doctoral Dissertation Research*	Dr. Tetyana Cheairs

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**PHARMACOLOGY**

CRN #	Catalog #	Credits	Title/Instructor	Day	Time	Room
17012	PHRM 1020	4	<b>Pharmacology II</b> <i>Dr. Charles T. Stier</i>	Tues. & Thurs.	4:00-5:50 pm	In-Person: BSB 511
17014	PHRM 2410	2	<b>Cardiovascular Pharmacology: Drug Development</b> <i>Dr. Charles T. Stier</i>	Wednesday	4:00-5:50 pm	In-Person: BSB 511
17015	PHRM 7010	1-2	<b>Directed Readings in Pharmacology</b> <i>Course Director: Dr. Charles Stier</i> <i>Topic and Instructor - To Be Arranged</i>		To Be Arranged	
17016	PHRM 7102	1	<b>Selected Topics in Pharmacology</b> <i>Dr. Austin Guo</i> <i>Enrollment Limit : 9</i>	Thursday	2:00-3:50 pm	In-Person: BSB 511
17017	PHRM 8010	1	<b>Journal Club</b> <i>Dr. Sachin Gupte</i>	Wednesday	3:00-3:50 pm	In-Person: BSB 511
17018	PHRM 8300	1	<b>Laboratory Demonstration</b> <i>Dr. C. Andrew Powers</i> <i>(Pharmacology PhD Students Only)</i>		To Be Arranged	

**RESEARCH AND THESIS COURSES**

CRN #	Catalog #	Credits	Title/Instructor	
17019	PHRM 8311	1	Teaching Assistance in Pharmacology	Dr. Sachin Gupte
17020	PHRM 8312	2	Teaching Assistance in Pharmacology	Dr. Sachin Gupte
17021	PHRM 9110	1	Research Rotation in in Pharmacology *	Dr. Sachin Gupte
17022	PHRM 9200	1	Research Techniques in in Pharmacology *	Dr. Sachin Gupte
17023	PHRM 9700	4	Master's Independent Study	Dr. Charles T. Stier
17024	PHRM 9800	1-5	Master's Thesis Research	Dr. Charles T. Stier
17026	PHRM 9900	1	Doctoral Dissertation Research*	Dr. Sachin Gupte
			*Open to PhD Students Only	

**PHYSIOLOGY**

CRN #	Catalog #	Credits	Title/Instructor	Day	Time	Room
17028	PHYM 1020	4	<b>Mammalian Physiology II</b> <i>Dr. Marcello Rota, Dr. Brian Ratliff</i> <i>Enrollment Limit = 60</i>	Mon. & Wed.	4:00-5:50 pm	In-Person: Cooke
11482	PHYM 1025	4	<b>Mammalian Physiology II - AMP Open to AMP Students Only</b> <i>Dr. Marcello Rota, Dr. Brian Ratliff</i>	Mon. & Wed.	4:00-5:50 pm	In-Person: Cooke
17033	PHYM 7010	1-2	<b>Directed Readings in Physiology</b> <i>Course Director: Dr. Carl Thompson</i> <i>Topic and Instructor - To Be Arranged</i>		To Be Arranged	
17034	PHYM 7102	1	<b>Selected Topics in Physiology: Oxidant and Antioxidant Mechanisms in Health &amp; Disease</b> <i>Dr. Michael Wolin</i> <i>Enrollment Limit: 9</i>	Wednesday	6:00-7:50 pm	In-Person: BSB 609
17035	PHYM 8010	1	<b>Journal Club</b> <i>Dr. Carl Thompson</i>	Monday	12:00-12:50 pm	In-Person: BSB 609
17036	PHYM 8020	1	<b>Seminar/Research Rounds *</b> <i>Dr. Carl Thompson</i>		To Be Arranged	

**RESEARCH AND THESIS COURSES**

CRN #	Catalog #	Credits	Title/Instructor	Room
17037	PHYM 8311	1	Teaching Assistance in Physiology	Dr. Carl Thompson
17038	PHYM 8312	2	Teaching Assistance in Physiology	Dr. Carl Thompson
17039	PHYM 9110	1	Research Rotation in Physiology*	Dr. Carl Thompson
17040	PHYM 9200	1	Research Techniques in Physiology*	Dr. Carl Thompson
17041	PHYM 9700	4	Master's Independent Study	Dr. Carl Thompson
17042	PHYM 9800	1-5	Master's Thesis Research	Dr. Carl Thompson
17043	PHYM 9900	1	Doctoral Dissertation Research*	Dr. Carl Thompson

\*Open to PhD Students Only

**BIOMEDICAL SCIENCES**

CRN #	Catalog #	Credits	Title/Instructor	Day	Time	Room
17044	BMSM 2020	2	<b>Responsible Conduct of Research</b> <i>Dr. Victor Fried &amp; Dr. Francis Belloni</i> <b>Enrollment Limit: 20</b>	Thursday	9:00-10:50 am	In-Person: BSB 609
17045	BMSM 3520	2	<b>Life in Biomedical Research II</b> <i>Dr. Jonathan Fisher</i> <b>(PhD students only)</b> <b>PERMISSION OF INSTRUCTOR REQUIRED FOR ALL OTHER STUDENTS</b>	Tuesday	10:00-11:50 am	In-Person: BSB 609
17047	BMSM 7102	1	<b>Frontiers in Science 2: Neurophysiology</b> <i>Dr. William Ross</i> <b>Enrollment Limit: 9</b>	Wednesday	2:00-3:50 pm	In-Person: BSB 609
11469	BMSM 8042	1	<b>Interdisciplinary Grand Rounds and Research Seminar</b> <i>Dr. John Pinto</i> <b>PERMISSION OF INSTRUCTOR REQUIRED</b>	Tuesday	3:00-3:50 pm	In-Person: BSB 609
17049	BMSM 8400	3	<b>Internship in the Biomedical Sector</b> <b>(PSM students only)</b> <i>Dr. Dana Mordue</i> <b>PERMISSION OF INSTRUCTOR REQUIRED</b>		To Be Arranged	

**RESEARCH AND THESIS COURSES**

CRN #	Catalog #	Credits	Title/Instructor	Day	Time	Room
17050	BMSM 9110	1	Research Rotation (1st year IPP students)*			Dr. Tetyana Cheairs
17051	BMSM 9700	4	Master's Independent Study			Dr. Austin Guo
17052	BMSM 9800	1-5	Master's Thesis Research			Dr. Austin Guo
17053	BMSM 9920	1	Research for Exchange Students *Open to PhD Students Only			Dr. Marina K. Holz

**MAINTENANCE OF MATRICULATION**

CRN #	Catalog #	Credits	Title/Instructor	Day	Time	Room
17054	BMSM 1000	0	\$100 plus appropriate registration fees			

**For all students planning to graduate in May 2024:**

**You must file an application for graduation with the Registrar (plus appropriate fees) by December 1, 2023.**

**Information is available on the Registrar section of the NYMC website: <http://www.nymc.edu/current-students/student-services/registrar/graduation/degree-seeking-students/>**