

SPRING 2022 PHD COURSE SCHEDULE

School of Graduate studies

Consult (<http://njms.rutgers.edu/sgs/index.cfm>) or respective Course Director(s) for up to date information.

Please note that it is the responsibility of the student to contact the respective course director(s) for the correct time, dates and room

COURSES HIGHLIGHTED IN YELLOW ARE NOT AVAILABLE FOR ONLINE REGISTRATION

During the online registration period, students may obtain email permission from the course director and forward the email to the Registrar at manually registered in any course highlighted in yellow. Add/Drop forms and signatures are required after online registration has ended.

Course #	Title	Course Director	Prerequisites	Credits	Grade Mode	Day(s)	Start Date	End Date	Time	Instruction Mode	Location
BIOC 5125Q	Viruses, Cells and Disease	Michael Mathews mathews@njms.rutgers.edu 973-972-3133 Sergei Kotenko kotenkse@njms.rutgers.edu 973-972-3134	Open to Masters & PhD students. Approval by Course Directors for Masters students. Enrollment limit 30	2	N	Tuesday & Thursday	1/11	3/1	4:00 PM - 5:50 PM	In Person	Cancer Center Room G1196 Requested
BMEG 5000Q	Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
BMEG 5930Q*	Biomedical Engineering Research	Faculty		1 to 9	S/U	By Arrangement					
BMEG 593AQ, BQ, CQ*	Biomedical Engineering Research	Faculty		2	N	By Arrangement					
CBMM 5020Q	Developmental Biology & Stem Cells	Diego Fraidenraich fraidedi@njms.rutgers.edu 973-972-5525	Open to Masters & PhD students. Enrollment Limit 20	2	N	Tuesday & Friday	2/18	4/8	10:00 AM - 11:50 AM	In Person	MSB Room G609
CBNP 5000Q	CBNP Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					

CBNP 5033Q	Systems Neuroscience	Kevin Beck beckkd@njms.rutgers.edu 973-676-1000 x3682	Enrollment limit 25.	2	N	Tuesday & Wednesday	4/26	6/15	5:00 PM - 6:50 PM	In Person/ Remote	MSB Room B619
CBNP 5036Q	Molecular Physiology of Cell Communication	Mariana De Lorenzo delorems@njms.rutgers.edu 973-972-0822 Andrew Harris aharris@njms.rutgers.edu 973-972-1620	Open to PhD Students only. Required of all CBNP 1st year students.	4	N	Monday & Wednesday	1/10	4/20	2:00 PM - 3:50 PM	In Person	MSB Room G609
CBNP 5068Q	Molecular Mechanisms of Diseases	Lai-Hua Xie xiela@njms.rutgers.edu 973-972-2411 Naoki Sawada ns929@njms.rutgers.edu 973-972-1883	Open to Masters & PhD students. Background in Cell and Molecular Biology Enrollment limit of 20	3	N	Mondays	2/7	5/16	6:00 PM - 8:50 PM	In Person/ Remote	MSB Room G609
CBNP 5140Q	Topics in Neuroimmunology	Christine Rohowsky-Kochan rohowskm@njms.rutgers.edu	Open to Masters and PhD Immunology Course as a prerequisite or Permission of instructor minimum enrollment of 10 required	2	N	Monday & Wednesday	2/28	4/20	4:00 PM - 5:50 PM	In Person	MSB Room B556
CBNP 5156Q	Critical Readings in CBNP	Gopal Babu babugo@njms.rutgers.edu 973-972-5376 Jorge Contreras contrejo@njms.rutgers.edu 973-972-3666 Joshua Berlin	Open to PhD Students only.	1	S/U	Friday	1/7	4/1	1:30 PM - 2:50 PM	Virtual	N/A
CBNP 5930Q*	Lab Rotations in CBNP	berlinjr@njms.rutgers.edu 973-972-1618 Joseph McArdle mcardle@njms.rutgers.edu 973-972-4428	Use this course # for all subsequent rotations.	1 to 9	S/U	By Arrangement					

CBNP 593AQ, BQ, CQ*	Lab Rotations in CBNP	Joshua Berlin berlinjr@njms.rutgers.edu 973-972-1618 Joseph McArdle mcardle@njms.rutgers.edu 973-972-4428	Utilize for first 3 rotations	2	N	By Arrangement					
DENT 5000Q	Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
DENT 5025Q	Fundamentals of Dental Materials Science	Anil Ardeshta ardeshap@sdm.rutgers.edu 973-972-1892	Open to Masters & PhD students. Enrollment limit 35. See below for the required/recommen- ded text for the course.	2	N	Friday	1/14	4/15	10:00 AM - 11:50 AM	In Person/ Remote	MSB Room B619
DENT 5085Q	Dental Biochemistry	Michael A. Lea lea@njms.rutgers.edu 973-972-5345 (Please read syllabus thoughly)	Open to Masters & PhD students. This is a Dental School course.	4	N	Monday Wednesday	3/14	6/14	11:00 AM - 12:50 PM 10:00 AM - 11:50 AM	Virtual Virtual	N/A
DENT 5220Q	Methods in Microscopic Imaging	Kabilan Velliyagounder velliya@sdm.rutgers.edu 973-972-5051	Open to Masters & PhD students. Enrollment Limit 12.	2	N	Wednesday	1/5	4/20	1:00 PM - 2:50 PM	Virtual	N/A
DENT 5225Q	Bacteriology and Oral Infectious Diseases	Daniel Kadouri kadourde@sdm.rutgers.edu 973-972-7401	Not open to students taking DENT 5300Q Oral Microbiology Enrollment Limit 40	3	N	Tuesday & Thursday	2/17	5/17	10:00 AM - 11:50 AM	Virtual	N/A
DENT 5300Q	Oral Microbiology	Scott Kachlany kachlasc@sdm.rutgers.edu 973-972-3057	Enrollment limit of 75. Open to Masters & PhD Students. Previous course in Microbiology or good academic	3	N	Monday Wednesday Friday	1/3	3/4	10:00 AM - 11:50 AM 10:00 AM - 11:50 AM 10:00 AM - 11:50 AM	Virtual Virtual Virtual	N/A
		Vincent Tsiagbe	Enrollment limit of 70. Open to Masters			Monday			2:00 PM - 3:50 PM	Virtual	

DENT 5310Q	Oral Immunology	tsiagbvk@sdm.rutgers.edu 973-972-2612 (Please read syllabus thoughly)	& PhD Students. Previous course in Cell Biology or good academic	3	N	Tuesday Wednesday	3/14	4/20	2:00 PM - 3:50 PM 8:00 AM - 9:50 AM	Virtual Virtual	N/A
DENT 5910Q	Oral Biology Research Seminar	Scott Kachlany kachlasc@sdm.rutgers.edu 973-972-3057	Open to Masters & PhD students.	1	N	Friday	1/14	4/1	1:00 PM - 1:50 PM	Virtual	N/A
GSND 5001Q	Responsible Conduct of Research	Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899	Mandatory for all PhD Students.	1	S/U	Monday	1/31	5/2	4:00 PM - 4:50 PM	In Person/ Remote	MSB Room B619
GSND 5120Q	<u>Clinical Implications of Human Poisoning</u>	Lewis Nelson ln196@njms.rutgers.edu Cynthia Santos cynthia.d.antos@rutgers.edu	Enrollment Limit 75	2	N	Monday & Thursday	6/6	7/28	2:00 PM - 4:50 PM	In person	MSB Room B610 Requested
GSND 5300Q	Independent Study in Biomedical Sciences	Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899		1 to 4	S/U	By Arrangement					
GSND 5320Q	Pharmacology & Pharmaceutical Marketing	David Segarnick, PhD segarnjd@njms.rutgers.edu	Open to Masters and PhD students. Principles of Pharmacology (PHPY N5020) Fundamentals of Pharmacology (PHPY N5021) or Principles of Toxicology (PHPY N5225) or permission by the instructor)	2	N	Wednesday	1/12	3/9	7:00 PM - 8:20 PM	Virtual	N/A
GSND 5325Q Sec 002	Introduction to Bio- Medical Ethics	Dr. Michael E. Shapiro mes362@njms.rutgers.edu 973- 972-6639	Open to Masters and PhS students Enrollment Limit 30	2	N	Tuesday	1/4	4/26	2:00 PM - 3:50 PM		
GSND 5325Q Sec 001	Introduction to Bio- Medical Ethics	Dr. Michael E. Shapiro mes362@njms.rutgers.edu 973- 972-6639	Open to Masters and PhS students Enrollment Limit 30	2	N	Thursday	1/6	4/28	10:00 AM - 11:50 AM		

MBGC 5000Q	MBGC Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
MBGC 5002Q	Introduction to Genomics, Proteomics, and Bioinformatics	Seema Husain husainse@njms.rutgers.edu Vivian Bellofatto bellofat@rutgers.edu	Open to Masters & PhD students. IBMS (GSND 5200Q) or Fundamentals A (GSND N500A) or permission of the course director.	2	N	Monday & Wednesday	2/28	4/18	10:00 AM - 11:50 AM	In Person/ Remote	MSB Room B619
MBGC 5015Q	Cancer Biology: Extrinsic Factors in Cancer Progression	Dr. Robert Wieder wiederro@njms.rutgers.edu 973-972-4871	PhD Students only.	2	N	Tuesday & Friday	2/25	4/12	10:00 AM - 11:50 AM	In Person/ Remote	Cancer Center Room H1196
MBGC 5020Q	Cancer Biology: Intrinsic Cell Signaling and Cancer Development	Dr. Robert Wieder wiederro@njms.rutgers.edu 973-972-4871	PhD Students only.	2	N	Tuesday & Friday	1/4	2/22	10:00 AM - 11:50 AM	In Person/ Remote	Cancer Center Room H1196
MBGC 5910Q	MBGC Seminar Series	Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405 Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899	Required course for MBGC students. Must register in the Fall AND Spring.	0.5	S/U	By Arrangement					
MBGC 5930Q*	Lab Rotations in MBGC	Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405 Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899	Use this course # for all subsequent rotations.	1 to 9	S/U	By Arrangement					
MBGC 593AQ, BQ, CQ*	Lab Rotations in MBGC	Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405	Utilize for first 3 rotations.	2	N	By Arrangement					

MICR 5000Q	Microbiology Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
MICR 5231Q	Molecular Virology	Hua Zhu zhuhu@njms.rutgers.edu 973-972-6488	Open to Masters & PhD students. Fundamentals A (GSND N500A), or IBMS (GSND 5200Q), or MGM (GSND 5210Q), or permission of course director.	3	N	Monday, Tuesday & Thursday					
MICR N5233	Microbes and Infectious Disease	M. Zafri Humayun humayun@rutgers.edu 973-972-6396	Open to Masters & PhD students. Note final exam Wed, 5/4/22	3	N	Tuesday	1/18	5/4	2:00 PM - 4:50 PM	In Person/ remote	MSB Room B552
MPHD 5000Q	MD/PhD Thesis Research	Padmini Salgame salgampa@njms.rutgers.edu 973-972-8647	Restricted to students in MD/PhD program.	4.5 PT 9 FT	S/U	By Arrangement					
MPHD 5930Q	MD/PhD Laboratory Research	Padmini Salgame salgampa@njms.rutgers.edu 973-972-8647	Restricted to students in MD/PhD program.	1 to 9	S/U	By Arrangement					
MSBS 5120Q	Pharmaceutical Internships	Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899	Open to Masters & PhD students. Permission of the course director.	2 to 3	S/U	By Arrangement					
MSBS 5125Q	Teacher Training Internship	Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899	Open to Masters & PhD students. Permission of Dr. Lutz.	1 to 3	S/U	By Arrangement					
MSBS N5134	Hematopoietic Stem Cell Biology	Pranela Rameshwar rameshwa@njms.rutgers.edu 973-972-0625	Open to Masters & PhD students. Background in cell biology and stem cell biology suggested.	2	N	Mondays	1/24	4/4	6:00 PM - 7:50 PM	In Person	MSB Room B610 Requested

MSBS N512Q	Topics in Cancer Stem Cell Biology	Pranela Rameshwar rameshwa@njms.rutgers.edu 973-972-0625	Open to Masters & PhD students.	2	N	Tuesday & Thursday	5/24	6/30	6:00 PM - 7:50 PM	In Person	MSB Room B610 Requested
NEUR N5040	Neurobiology of Disease	Kevin Beck beckkd@njms.rutgers.edu 973-676-1000 x3682 Stella Elkabes elkabest@njms.rutgers.edu 973-972-5163	Open to Masters & PhD students. Fundamentals of Neuroscience (NEUR 5200Q) or permission of course director.	3	N	Thursday	1/6	4/14	5:30 PM - 8:20 PM	In Person/ Remote	MSB Room B619
PATH 5000Q	Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
PATH 5130Q	DNA Repair in Health and Disease	Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405	Class size limited to 18 students This course is for PhD and Masters students	1	N	Monday & Wednesday	1/12	2/28	4:00 PM - 5:20 PM	In Person/ Remote	MSB Room B619 B&C requested
PHMS 5000Q	Interdisciplinary Ph.D. Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
PHPY 5005Q	Fundamentals of Human Physiology	Krista Blackwell blackwkn@njms.rutgers.edu 973-972-2863	Open to Masters & PhD students. PhD students must have permission to enroll in the course.	3	N	Monday	1/10	4/25	2:00 PM - 4:50 PM	In Person/ Remote	MSB Room B552

PHPY 5085Q	Neuroendocrinology: Regulation of Physiological Processes	Vanessa Routh routhvh@njms.rutgers.edu 973-972-1489	Open to Masters & PhD students. IBMS (GSND 5200Q) or Fundamentals A (GSND N500A), or permission of course director. Physiological Principles (PHPY 5290) and/or Foundations in Neuroscience (NEUR 5110) suggested but not required. Enrollment limit 20	2	N	Tuesday & Thursday	3/1	4/21	4:00 PM - 5:50 PM	In Person/ Remote	MSB Room H609B
PHPY N526Q	Principles of Toxicology II	Ramez Labib ramezlabib@yahoo.com Thomas Visalli tvis624@yahoo.com	Open to Masters & PhD students.	3	N	Tuesday	2/8	5/10	6:00 PM - 6:50 PM	Virtual	N/A
TIII 5000Q	I3 Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
TIII 5022Q	Advanced Concepts in I3	George Yap yapgs@njms.rutgers.edu 973-972-5394 Padmini Salgame salgampa@njms.rutgers.edu 973-972-9490	Open to PhD students only. Classic & 21st Century Pathogens (TIII 5620Q) and Molecular & Cellular Immunology (PATH 5210Q).	4	N	Monday & Wednesday	2/28	6/17	1:00 PM - 2:50 PM	In Person	Cancer Center Room F1196 Requested
TIII 5055Q sec. 001	<u>Critical Readings in the Chemical Biology of Pathogens</u>	Joel Freundlich freundjs@njms.rutgers.edu 973-972-7165		0.5	N	Wednesday	5/4	6/22	10:00 AM - 10:50 AM	In Person	TBD

TIII 5055Q sec. 003	<u>Critical Reading in Parasitology</u>	Purnima Bhanot bhanotpu@njms.rutgers.edu 973-972-3273		0.5	N	Tuesday					
TIII 5055Q sec. 005	Critical Reading The Genomic Landscape of the Immune System	Jason Weinstein jw1194@njms.rutgers.edu Aimee Beaulieu ab1550@njms.rutgers.edu		0.5	N	Tuesday	3/8	4/26	4:00 PM - 4:50 PM	In Person	
TIII 5930Q*	Lab Rotations in I3	David M. Lukac lukacdm@njms.rutgers.edu 973-972-4868 Matthew Neiditch neiditmb@njms.rutgers.edu 973-972-8981	Use this course # for all subsequent rotations.	1 to 9	S/U		By Arrangement				
TIII 593AQ, BQ, CQ*	Lab Rotations in I3	David M. Lukac lukacdm@njms.rutgers.edu 973-972-4868 Matthew Neiditch neiditmb@njms.rutgers.edu 973-972-8981	Utilize for the first 3 rotations.	2	N		By Arrangement				
* First three rotations -- register for A, B, C respectively -- all subsequent rotations register for 1 to 9 cr S/U											
Last Update: 12/5/2021 MB											