

# FALL 2021 PhD COURSE SCHEDULE

## School of Graduate Studies - Health Science Campus, Newark

Consult (<http://njms.rutgers.edu/sgs/olc/index.php>) or Respective Instructors for up to date information.

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Instructor e-mail addresses and phone numbers are provided for your convenience.

Course #	Title	Course Director	Prerequisites	Credits	Grade Mode	Days Offered	Start Date	End Date	Time	Instruction Mode	Location
BIOC 5000Q	Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
BIOC 5290Q	Critical Readings of the Literature	Dr. Aimee Beaulieu ab1550@njms.rutgers.edu Dr. Carol Lutz lutzcs@njms.rutgers.edu	Approval and confirmation by Course Director. Open to PhD students only.	3	N	Monday & Wednesday	9/8/21	12/15/21	1:00 PM - 2:30 PM	In-Person Only	MSB B619
BMEG 5000Q	Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
BMEG 593AQ, BQ, CQ*	Biomedical Engineering Research	Faculty		2	N	By Arrangement					
BMEG 5930Q*	Biomedical Engineering Research	Faculty		1 to 9	S/U	By Arrangement					
CBMM 5000Q	CBMM Thesis Research	Faculty	Open to PhD students only.	4.5 PT 9 FT	S/U	By Arrangement					
CBMM 5002Q	Practical Approaches for Studying Protein Function	Dr. Maha Abdellatif abdellma@njms.rutgers.edu 973-972-1254 Dr. Danish Sayed sayeddh@njms.rutgers.edu 973-972-5243	GSND N500A (Fundamentals of Biomedical Sciences) or GSND 5200Q (Introduction to Biomedical Sciences)	2	N	Wednesday	09/08/21	12/1/21	2:00 PM - 3:50 PM	In-Person or Remote*	MSB G609B
CBMM 5350Q	Molecular Medicine of the Heart	Dr. Gopal Babu babugo@njms.rutgers.edu 973-972-5376	Permission of Course Director. Open to Masters and PhD students. (See below for required text).	3	N	Tuesday	09/07/21	12/14/21	9:30 AM - 12:20 PM	In-Person or Remote*	MSB B619
CBNP 5000Q	CBNP Thesis Research	Faculty	Open to PhD students only.	4.5 PT 9 FT	S/U	By Arrangement					
CBNP 5032Q	Behavioral and Cognitive Neuroscience	Dr. Kevin Beck beckkd@njms.rutgers.edu 973-676-1000 x3682	Previous course in Neuroscience.	2	N	Tuesday & Wednesday	08/24/21	10/13/21	5:30 PM - 7:20 PM	In-Person or Remote*	MSB B619

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CBNP 5150Q	Cell/Development Neuroscience	Dr. Terri Wood woodte@njms.rutgers.edu 973-972-6529	Open to PhD Students. Masters students can enroll only with permission of instructor and if they have Fundamentals of Neuroscience or equivalent course.	2	N	Tuesday, Wednesday and Friday	10/19/21	12/22/21	1:00 PM - 2:30 PM	In-Person or Remote*	MSB Room B619
CBNP 5155Q	Critical Readings in CBNP	Dr. Dominic Del Re delredo@njms.rutgers.edu 973-972-1658	Open to PhD students only.	1	N	Tuesday	09/07/21	12/7/21	9:30 AM - 11:20 AM	In-Person Only	MSB G609B
CBNP 593AQ, BQ, CQ*	Lab Rotations in CBNP	Dr. Joshua Berlin berlinjr@njms.rutgers.edu 973-972-1618	Use for first 3 rotations.	2	N	By Arrangement					
CBNP 5930Q*	Lab Rotations in CBNP	Dr. Joshua Berlin berlinjr@njms.rutgers.edu 973-972-1618	Use this course # for all subsequent rotations.	1 to 9	S/U	By Arrangement					
DENT 5000Q	Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
DENT 5145Q	Introduction to Structural Biology	Dr. N. Ramasubbu ramasun1@sdm.rutgers.edu 973-972-0704	Open to Masters and PhD Enrollment Limit 20.	1	N	Wednesday	09/01/21	12/15/21	10:00 AM - 10:50 AM	Remote Only	N/A
DENT 5220Q	Methods in Microscopic Imaging	Dr. Kabilan Velliyagounder velliya@sdm.rutgers.edu 973-972-5051	Enrollment Limit 12. Open to Masters and PhD students.	2	N	Wednesday	09/08/21	12/22/21	1:00 PM - 2:50 PM	Remote Only	N/A
GSND 0596Q	Professional Skills I	Dr. Steve Levison levisosw@njms.rutgers.edu 973-972-5162	Enrollment Limit 30. Online registration allowed for G2 students, all others require instructor permission.	1	S/U	Monday & Wednesday	09/01/21	10/15/21	4:00 PM - 5:20 PM	In-Person or Remote*	Cancer Center G1196

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GSND 5006Q	Grantsmanship Skills	Dr. Karen Edelblum ke163@njms.rutgers.edu 973-972-3071 Dr. Teresa Wood woodte@njms.rutgers.edu 973-972-6529	Open to PhD students only.	2	S/U	Tuesday	10/19/21	2/25/22	3:00 PM - 4:50 PM	In-Person or Remote*	MSB B619
GSND 5113Q	Gene Expression	Dr. Emanuel Goldman egoldman@njms.rutgers.edu 973-972-4367	Open to Masters and PhD students.	3	N	Tuesday	09/08/21	12/21/21	2:20 PM - 5:00 PM	In-Person or Remote*	ICPH Auditorium
GSND 5135Q	Research Design & Statistics	Dr. Catherine Myers catherine.myers2@va.gov cemyers@njms.rutgers.edu 973-676-1000 x1810	Open to PhD students only. Enrollment limit 35. (See below for required text and software.)	2	N	Monday	08/30/21	12/13/21	5:30 PM - 7:20 PM	In-Person or Remote*	MSB B619
GSND 5200Q	Introduction to Biomedical Sciences (CORE)	Dr. Michael Mathews mathews@rutgers.edu 973-972-3133	Mandatory for PhD students usually 1st years, Masters students with permission	5	N	Monday, Wednesday & Friday	09/01/21	12/17/21	9:30 AM - 11:30 AM	In-Person or Remote*	MSB B619
GSND 5235Q	Principles of Clinical & Translational Research in Oncology	Dr. Robert Wieder wiederro@njms.rutgers.edu 973-972-4871	Open to Masters and PhD students.	2	N	Monday	09/13/21	12/13/21	6:00 PM - 8:15 PM	In-Person or Remote*	Cancer Center G1196

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GSND 5320Q	Pharmacology and Pharmaceutical Marketing	David Segarnick, PhD segarnjd@njms.rutgers.edu 996-2367	973- Open to Masters & PhD students. Principles of Pharmacology (PHPY 5020) or Fundamentals of Pharmacology (PHPY N5021) or Principles of Toxicology (PHPY N5225) or permission by the instructor	2	N	Wednesday	09/08/21	11/3/21	7:00 PM - 8:30 PM	Remote Only	N/A
GSND 5325Q	Introduction to BioMedical Ethics	Dr. Michael Shapiro mes362@njms.rutgers.edu 973-972-6639	Open to Masters and PhD students. (maximum enrollment 30)	2	N	Thursday	09/09/21	12/9/21	10:00 AM - 11:50 AM	In-Person and Remote*	MSB B619
GSND 5335Q	Coronavirus Molecular Biology/Medicine	Dr. Michael Mathews mathews@rutgers.edu 973-972-3133	Open to Masters and PhD students.	1	N	Thursday	10/28/21	12/17/21	1:30 PM - 3:30 PM	In-Person or Remote	MSB B619
MBGC 5000Q	MBGC Thesis Research	Faculty	Open to PhD students only.	4.5 PT 9 FT	S/U	By Arrangement					
MBGC 5071Q	Advances in Nucleic Acids: DNA	Dr. Katsunori Sugimoto sugimoka@rutgers.edu 973-972-5515	Completion of IBMS or admitted with permission of the Course Director. Students need to be familiar to the related topics in Molecular Cell Biology or Molecular Biology of the cell.	2	N	Wednesday	09/08/21	12/15/21	9:30 AM - 11:20 AM	In-Person or Remote*	ICPH Seminar Room

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MBGC 5075Q	Cell Death	Dr. Raymond Birge birgera@njms.rutgers.edu 973-972-4497	Open to Masters and PhD students. (See below for required text).	2	N	Monday & Thursday	10/18/21	12/16/21	6:00 PM - 7:50 PM	In-Person or Remote*	MSB B556
MBGC 5910Q	MBGC Seminar Series	Dr. Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405	Required course for MBGC students. Must register in fall AND spring.	0.5	S/U	Variable	09/01/21	12/17/21	Variable	In-Person or Remote*	Variable
MBGC 593AQ, BQ, CQ*	Lab Rotations in MBGC	Dr. Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405	Use for first 3 rotations.	2	N	By Arrangement					
MBGC 5930Q*	Lab Rotations in MBGC	Dr. Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405	Use this course # for all subsequent rotations.	1 to 9	S/U	By Arrangement					
MICR 5000Q	Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
MPHD 5000Q	MD/PhD Thesis Research	Dr. 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	Dr. Padmini Salgame salgampa@njms.rutgers.edu 973-972-8647	Restricted to students in MD/PhD program.	1 to 9	S/U	By Arrangement					
MSBS 5130Q	Stem Cell Biology & Applications in Molecular Medicine	Dr. Pranela Rameshwar rameshwa@njms.rutgers.edu 973-972-4913	Open to Masters and PhD students.	3	N	Monday	09/13/21	12/13/21	6:00 PM - 8:50 PM	In-Person or Remote*	MSB B610
MSBS 520AQ	Advanced Stem Cell Seminar	Dr. Pranela Rameshwar rameshwa@njms.rutgers.edu 973-972-4913	MSBS 5130Q or concurrent registration. Open to Masters and PhD students.	2	N	Wednesday	09/08/21	12/15/21	6:00 PM - 7:50 PM	In-Person and Remote*	MSB B610 except MSB B552 on 9/29/2021
NEUR 5000Q	Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					

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NEUR 5200Q	Fundamentals of Neuroscience	Dr. Steve Levison levisosw@njms.rutgers.edu 973-972-5162	Open to Masters and PhD students. (See below for required text).	3	N	Thursday	09/02/21	12/18/21	5:00 PM - 7:50 PM	In-Person or Remote*	MSB C600
PATH 5000Q	Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
PATH 5100Q	Cellular Pathology	Dr. Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405	Open to Masters and PhD students. (See below for required text).	2	N	Monday & Thursday	10/18/21	12/16/21	4:00 PM - 5:50 PM	In-Person or Remote*	MSB B610
PATH 5210Q	Molecular and Cellular Immunology	Dr. Patricia Fitzgerald-Bocarsly bocarsly@njms.rutgers.edu Dr. Christine Rohowsky-Kochan rohowskm@njms.rutgers.edu	PhD Students; Masters students by permission only.	3	N	Monday & Wednesday	10/18/21	12/15/21	2:30 PM - 3:50 PM	In-Person or Remote*	MSB B610
PATH N5209	The Business of Science: Drug Development - From Molecules to Medicines	Dr. Doreen Badheka doreen.badheka@rutgers.edu 973-972-0908	Open to Masters and PhD. Introductory level courses in Biology and Chemistry. Enrollment limit of 20. Permission of Course Director via e-mail.	3	N	Wednesday	09/01/21	12/8/21	5:00 PM - 7:50 PM	Remote Only	Zoom
PHMS 5000Q	Biomedical Science Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
PHPY N5021	Fundamentals of Pharmacology	Dr. Lawrence Gaspers larry.gaspers@rutgers.edu 973-972-5379	Open to Masters and PhD students.	3	N	Monday	09/13/21	12/13/21	6:00 PM - 8:50 PM	In-Person or Remote*	MSB B552

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PHPY N5225	Principles of Toxicology	Dr. Ramez Labib ramez.labib@avon.com Dr. Thomas Visalli tvis624@yahoo.com 201-949-4833	Open to Masters and PhD students.	3	N	Thursday	09/09/21	12/09/21	6:00 PM - 8:50 PM	In-Person or Remote*	MSB B552
PHPY 5000Q	Thesis Research	Faculty	Completion of course requirements.	4.5 PT 9 FT	S/U	By Arrangement					
TIII 5000Q	III Thesis Research	Faculty	Open to PhD students only.	4.5 PT 9 FT	S/U	By Arrangement					
TIII 5055Q section 004	Critical Readings Tuberculosis	Dr. Padmini Salgame salgampa@njms.rutgers.edu 973-972-8647	Open to PhD students only.	0.5	N	Friday	10/01/21	11/19/21	9:30 AM - 10:50 AM	In-Person Only	MSB B619 B&C
TIII 5155Q	Critical Readings in I <sup>3</sup> A	Dr. Nikhat Parveen parveeni@njms.rutgers.edu 973-972-5218	PhD only with priority to 1st year I3 students.	0.5	N	Tuesday	08/31/21	10/19/21	9:30 AM - 10:50 AM	In-Person or Remote*	ICPH Room E220R
TIII 5156Q	Critical Readings in I <sup>3</sup> B	Dr. Tessa Bergsbaken t.bergsbaken@rutgers.edu 973-972-7933	PhD only with priority to 1st year I3 students.	0.5	N	Tuesday	10/26/21	12/14/21	10:00 AM - 11:30 AM	In-Person or Remote*	Cancer Center H1196
TIII 5620Q	Classic & 21st Century Pathogens	Dr. David M. Lukac lukacdm@njms.rutgers.edu 973-972-4868	Open to PhD students only.	2	N	Monday, Wednesday, Friday	08/30/21	10/15/21	2:00 PM - 3:20 PM	In-Person or Remote*	ICPH Auditorium
TIII 593AQ, BQ, CQ*	Lab Rotations in I <sup>3</sup>	Dr. David M. Lukac lukacdm@njms.rutgers.edu 973-972-4868 Dr. Matthew Neiditch neiditmb@njms.rutgers.edu 973-972-8981	Use for the first 3 rotations.	2	N	By Arrangement					

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TIII 5930Q*	Lab Rotations in I <sup>3</sup>	Dr. David M. Lukac lukacdm@njms.rutgers.edu 973-972-4868 Dr. Matthew Neiditch neiditmb@njms.rutgers.edu 973-972-8981	Use this course # for all subsequent rotations.	1 to 9	S/U					By Arrangement	
* First three rotations -- register for A, B, C respectively -- all subsequent rotations register for 1 to 9 cr S/U											
*Students have an option to attend in-person or remotely.											
<b>COURSES HIGHLIGHTED IN YELLOW ARE NOT AVAILABLE FOR ONLINE REGISTRATION.</b> During the online registration period, students may obtain email permission from the course director and forward the email to the Registrar at <a href="mailto:leebea@gsbs.rutgers.edu">leebea@gsbs.rutgers.edu</a> to be manually registered in any course highlighted in yellow. Add/Drop forms are required after online registration has ended.											
Last Update: 8/30/2021 mb											