

FALL 2017 MASTERS,CERTIFICATE & NON-MATRICULATED COURSE SCHEDULE

Graduate School of Biomedical Sciences

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

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Additional courses located on the PhD course schedule may be available with the permission of the Course Director.

Course #	Title	Course Director	Prerequisites	Credits	Grade Mode	Days offered	Start Date	End Date	Time	Location
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	09/06/17	11/29/17	2:00 PM - 3:50 PM	MSB Room G609B (provided by course director)
<u>CBMM 5350Q</u>	<u>Molecular Medicine of the Heart</u>	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	09/05/17	12/12/17	9:30 AM - 12:20 PM	MSB Room B619 (Confirmed)
<u>CBMM N5001</u>	<u>Basic Histology</u>	Dr. Virgil Muresan, PhD muresavi@njms.rutgers.edu 973-972-2392	Enrollment limit 45	3	N	Thursday	08/31/17	12/14/17	6:00 PM - 8:50 PM	MSB Room B610 (Confirmed)
<u>CBNP 5030Q</u>	<u>Clinical Neuroimmunology</u>	Amjad Ilyas ilyasaa@njms.rutgers.edu 973-972-3580	Open to Masters & PhD students. Fundamentals of Neuroscience (NEUR 5200Q) and Immunology A (PATH 511A) or permission of course director.	2	N	Monday & Wednesday	10/24	12/20	5:30 PM - 7:20 PM	MSB Room B605 Requested
<u>CBNP 5032Q</u>	<u>Behavioral and Cognitive Neuroscience</u>	Dr. Kevin Beck beckkd@njms.rutgers.edu 973-676-1000 x3682 Dr. Kevin Pang Kevin.Pang@va.gov 973 676 1000 x1277	Previous course in Neuroscience.	2	N	Tuesday & Wednesday	08/29/17	10/18/17	5:00 PM - 6:50 PM	Cancer Center Room G1196 (Confirmed)
<u>CBNP 5150Q</u>	<u>Cell/Developmental Neuroscience</u>	Dr. Terri Wood woodte@njms.rutgers.edu 973-972-6529	Open to Masters and PhD Students. Prerequisite Fundamentals of Neurosciences	2	N	Tuesday Wednesday	10/24/17	12/22/17	3:00 PM - 4:20 PM 1:00 PM - 2:20 PM	Cancer Center Room F1196 (Provided by course director)

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						Friday			1:00 PM - 2:20 PM	
CBNP 5165Q	Foundations of Integrative Human Physiology	Dr. Jorge Serrador jorge.serrador@rutgers.edu 973-676-1000 x28057 Dr. Michael Falvo michael.falvo@va.gov 973-676-1000 x12423	Open to Masters and PhD students. Physiology course or permission of course director.	2	N	Tuesday	10/24/17	12/22/17	3:00 PM - 4:50 PM	Cancer Center Room G1196 (Confirmed)
						Thursday			3:00 PM - 4:50 PM	
DENT 5145Q	Introduction to Structural Biology	Dr. N. Ramasubbu ramasun1@sdm.rutgers.edu 973-972-0704	Open to Masters and PhD students.	1	N	Wednesday	08/30/17	12/20/17	10:00 AM - 10:50 AM	Dental School Room B721 (provided by course director)
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	09/06/17	12/20/17	1:00 PM - 2:50 PM	Dental School Room C987 (provided by course director)
DENT 7106Q	Dental Histology	Dr. Joseph Rinaggio rinaggio@sdm.rutgers.edu 973-972-8909	Enrollment limit 15. For approval, contact Dr. Vincent Tsiagbe at tsiagbvk@sdm.rutgers.edu or 973-972-2612. (See below for required text).	5	N	Monday	08/28/17	12/15/17	10:00 AM - 11:50 AM	Dental School Oral Health Pavilion Room B961 (provided by course director)
						Wednesday			9:00 AM - 10:50 AM	
						Friday			1:00 PM - 2:50 PM	
DENT 7109Q	Dental Neuroscience	Dr. Henry Edinger 973-972-4642 edinger@njms.rutgers.edu Dr. Amjad Ilyas 973-972-3580 ilvasaa@rutgers.edu	For approval, contact Dr. Vincent Tsiagbe at tsiagbvk@sdm.rutgers.edu or 973-972-2612.	4	N	Monday	08/28/17	12/15/17	2:00 PM - 3:50 PM	Dental School Oral Health Pavilion Room B961 (provided by course director)
						Wednesday			11:00 AM - 11:50 AM and 1:00 PM - 1:50 PM	
GSND 5113Q	Gene Expression	Dr. Emanuel Goldman egoldman@njms.rutgers.edu 973-972-4367	Open to Masters and PhD students.	3	N	Tuesday	08/29/17	12/12/17	5:00 PM - 7:40 PM	ICPH Auditorium (Provided by course director)
GSND 5325Q	Introduction to Bio-Medical Ethics	Dr. Michael E. Shapiro Mes362@njms.rutgers.edu 973-972-6639	Open to Masters & PhD students. Enrollment limit 30.	2	N	Thursday	9/7/17	12/21/17	10:00 AM - 11:50 AM	MSB Room B609 B&C (Confirmed)

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GSND 5501Q	Medical Biochemistry & Genetics	Dr. Carolyn Suzuki suzukick@njms.rutgers.edu 973-972-2155	Open to Masters student only. For approval, contact Dr. Stephen Garrett at garretst@njms.rutgers.edu.	5	N	Monday, Tuesday, Wednesday, Thursday & Friday	8/14/17	9/18/17	9:00 AM - 2:50 PM	MSB Room B556 (Confirmed)
GSND 5505Q	Intro to Physiology, Pharmacology & Epidemiology	Dr. Krista Blackwell blackwkn@njms.rutgers.edu 973-972-2863	Open to Masters student only. For approval, contact Dr. Stephen Garrett at garretst@njms.rutgers.edu.	4	N	Monday, Tuesday, Wednesday, Thursday & Friday	9/19/17	10/16/17	9:00 AM - 2:50 PM	MSB Room B556 (Confirmed)
GSND 5510Q	Medical Hematology/Oncology & Immunology	Dr. Ian Whitehead whiteip@njms.rutgers.edu 973-972-5215	Open to Masters student only. For approval, contact Dr. Stephen Garrett at garretst@njms.rutgers.edu.	4	N	Monday, Tuesday, Wednesday, Thursday & Friday	10/17/17	11/22/17	9:00 AM - 2:50 PM	MSB Room B556 (Confirmed)
GSND 5515Q	Infectious Disease	Dr. Stephen Garrett garretst@njms.rutgers.edu 973-972-0323	Open to Masters student only. For approval, contact Dr. Stephen Garrett at garretst@njms.rutgers.edu.	5	N	Monday, Tuesday, Wednesday, Thursday & Friday	11/22/17	1/12/18	9:00 AM - 2:50 PM	MSB Room B556 (Confirmed)
<u>GSND N500A</u>	<u>Fundamentals of Biomedical Sciences (Part A)</u>	Dr. Michael Lea lea@njms.rutgers.edu 973-972-5345	Open to Masters students only.	3	N	Tuesday	09/05/17	12/05/17	6:00 PM - 8:50 PM	MSB Room B552 (Confirmed)
<u>MBGC 5075Q</u>	<u>Cell Death</u>	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	10/23/17	12/21/17	6:00 PM - 7:50 PM	Cancer Center Room G1196 (Confirmed)
MSBS 5000Q	Masters Thesis Research	Dr. Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899	Masters students completing Thesis	5	S/U	By Arrangement				
MSBS 5120Q	Pharmaceutical Internship	Dr. Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899	Completion of 15 credits. Permission of Course Director.	2-3	S/U	By Arrangement				

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MSBS 5125Q	Teacher Training Internship	Dr. Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899	Permission of Course Director	1-3	S/U	By Arrangement				
<u>MSBS 5130Q</u>	<u>Stem Cell Biology & Applications in Molecular Medicine</u>	Dr. Pranela Rameshwar rameshwa@njms.rutgers.edu 973-972-4913	Open to Masters and PhD students.	3	N	Monday	08/28/17	12/04/17	6:00 PM - 8:50 PM	MSB Room B610 (Confirmed)
MSBS 5150Q	Medical Nutrition & Disease	Dr. John Bogden john.bogden@rutgers.edu 973-972-5432 Dr. Sylvia Christakos sylvia.christakos@rutgers.edu 973-972-4033	Enrollment Minimum 12, Enrollment Maximum 27	2	N	Wednesday	9/20/17	12/13/17	5:30 PM - 8:20 PM	MSB Room B609 B&C (Confirmed)
<u>MSBS 520AQ</u>	<u>Advanced Stem Cell Seminar</u>	Dr. Pranela Rameshwar rameshwa@njms.rutgers.edu 973-972-4913	MSBS 5130Q or concurrent registration. Open to Masters and PhD students.	2	N	Wednesday	08/30/17	11/22/17	6:00 PM - 7:50 PM	MSB Room B610 (Confirmed)
<u>MSBS 5910Q</u>	<u>Seminar in Biomedical Sciences</u>	Dr. Raymond Birge birgera@njms.rutgers.edu 973-972-4497	Open to Masters students only.	1	N	Tuesday	09/05/17	12/05/17	4:30 PM - 5:50 PM	MSB Room B552 (Confirmed)
MSBS 593AQ	Research in Biomedical Sciences	Dr. Stephen Garrett garretst@njms.rutgers.edu 973-972-0323	Use this course # for the first rotation.	2	N	By Arrangement: see course website http://njms.rutgers.edu/gsbs/olc/mlr/index.php for general instructions, as well as "Finding a Mentor" and "Final Report"				
MSBS 7000Q	Masters Thesis Continuation	Dr. Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899	Prior registration for MSBS 5000Q. Thesis not yet completed. MS Thesis Continuation Registration form is required. Permission of Course Director.	1-8	S/U	By Arrangement				
<u>NEUR 5200Q</u>	<u>Fundamentals of Neuroscience</u>	Dr. Steve Levison levisosw@njms.rutgers.edu 973-972-5162	Open to Masters and PhD students. (See below for required text).	3	N	Thursday	08/31/17	12/21/17	5:00 PM - 7:50 PM	MSB Room C600 (Confirmed)

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PATH 5010Q	General Pathology	Dr. George Studzinski studzins@njms.rutgers.edu 973-972-5869	Knowledge of anatomy and biochemistry to be determined by Course Director or designee. Enrollment limit 30. Open to Masters and PhD students. (See below for required text).	2	N	Monday, Wednesday & Friday	09/06/17	10/16/17	12:00 PM - 2:00 PM	MSB Room C555 (Provided by Course Director)
<u>PATH 5100Q</u>	<u>Cellular Pathology</u>	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	10/23/17	12/18/17	4:00 PM - 5:50 PM	MSB Room B610 (Confirmed)
<u>PATH 511AQ</u>	<u>Immunology A</u>	Dr. Joan Durbin durbinje@rutgers.edu	Open to Masters students only. (See below for required text).	2	N	Monday & Wednesday	10/23/17	12/01/17	2:30 PM - 3:50 PM	MSB Room B-610 (Confirmed)
<u>PHPY N5021</u>	<u>Fundamentals of Pharmacology</u>	Dr. Martha Nowycky nowyckmc@njms.rutgers.edu 973-972-4391	Open to Masters and PhD students.	3	N	Monday	09/11/17	12/11/17	6:00 PM - 8:50 PM	MSB Room B552 (Confirmed)
<u>PHPY N5225</u>	<u>Principles of Toxicology</u>	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	09/07/17	12/07/17	6:00 PM - 8:50 PM	MSB Room B556 (Confirmed)

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 leeba@gsbs.rutgers.edu to be manually registered in any course highlighted in yellow. Add/Drop forms are required after online registration has ended.

Last Update: 7/3/17 MM

Required Text

CBMM 5350Q	Molecular Medicine of the Heart	Class notes will be provided. Suggested additional readings: Physiology of the heart (fifth edition) by Arnold M. Katz and The Heart: Physiology from Cell to Circulation by Lionel H Opie								
CBNP 5030Q	Clinical Neuroimmunology	Antel J, et al. Clinical Neuroimmunology , 2 nd edition, Oxford University Press: ISBN-13: 978-0198510680 & ISBN-10: 0198510683								

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DENT 7109Q	Dental Neuroscience	Nolte; The Human Brain 6th Edition								
DENT 7106Q	Dental Histology	1. Junquiera et al. Basic Histology, 14th Ed., Lange/McGraw-Hill, 2015 (ISBN 978-0071842709) 2. Kerr. Functional Histology 2e., Mosby, 2009 (ISBN 978-0-7295-3837-4) 3. Nanci. Ten Cate's Oral Histology: Development, Structure and Function, 8th Ed., Mosby, 2012 (ISBN 978-0323078467)								
GSND N500A	Fundamentals of Biomedical Sciences (Part A)	Lippincott's Illustrated Reviews: Biochemistry, 7th edition, 2017, Wolters Kluwer								
MBGC 5075Q	Cell Death	MEANS TO AN END - Apoptosis and Other Cell Death Mechanisms, Douglas Green, 2010, Cold Spring Harbor Laboratory Press								
NEUR 5200Q	Fundamentals of Neuroscience	5th Edition of Neuroscience, Ed. by Purves et al.								
PATH 5010Q	General Pathology	Suggested Reading: Robbins Basic Pathology, 9th Edition By Vinay Kumar, MBBS, MD, FRCPath, Abul K. Abbas, MBBS and Jon C. Aster, MD, PhD								
PATH 5100Q	Cellular Pathology	Molecular Biology of the Cell - Alberts etal eds								
PATH 511AQ	Immunology A	Janeway's Immunobiology 9 th Edition, Garland Scientific								