

FALL 2016 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 973-972-1208	Graduate level Molecular Biology or equivalent.	2	N	Wednesday	09/07/16	12/07/16	2.00 PM - 4.00 PM	Cancer Center Room G1196
<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	09/06/16	12/13/16	9:30 AM - 12:30 PM	MSB Room B-619
<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	10/25/16	12/14/16	5.00 PM - 7.00 PM	MSB H-609B
<u>CBNP 5165Q</u>	<u>Foundations of Integrative Human Physiology</u>	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 Thursday	10/25/16	12/22/16	1:00 PM - 3:00 PM 1:00 PM - 3:00 PM	Cancer Center Room G1196
<u>DENT 5145Q</u>	<u>Introduction to Structural Biology</u>	Dr. N. Ramasubbu ramasun1@sdm.rutgers.edu 973-972-0704	Open to Masters and PhD students.	1	N	Wednesday	08/24/16	12/21/16	10.00 AM - 11.00 AM	Dental School Room B-723
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	09/07/16	12/21/16	1.00 PM - 3.00 PM	Dental School Room B-986

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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	08/29/16	12/16/16	10.00 AM - 11.50 AM	Oral Health Pavilion B-961
						Wednesday			9.00 AM - 10.50 PM	
						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 ilyasaa@rutgers.edu	For approval, contact Dr. Vincent Tsiagbe at tsiagbvk@sdm.rutgers.edu or 973-972-2612.	4	N	Monday	08/25/16	12/01/16	2:00 PM - 3:50 PM	Oral Health Pavilion B-961
						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	08/30/16	12/13/16	5.00 PM - 7.40 PM	ICPH Auditorium
GSND 5300Q	Independent Study in Biomedical Sciences	Dr. Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899	Permission of Course Director.	1-4	S/U	By Arrangement				
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	9/8/16	12/15/16	10.00 AM - 12.00 PM	MSB B-609 B&C
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, and Friday	08/15/16	09/16/16	9.00 AM - 3.00 PM	MSB B-556
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, and Friday	9/19/16	10/17/16	9.00 AM - 3.00 PM	MSB B-556

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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, and Friday	10/18/16	11/23/16	9.00 AM - 3.00 PM	MSB B-556
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, and Friday	11/28/16	1/20/17	9.00 AM - 3.00 PM	MSB B-556
GSND N500A	<u>Fundamentals of Biomedical Sciences (Part A)</u>	Dr. Michael Lea lea@njms.rutgers.edu 973-972-5345 Dr. Richard Howells howells@njms.rutgers.edu 973-972-5652	Open to Masters students only.	3	N	Tuesday	09/06/16	12/06/16	6.00 PM - 9:00 PM	MSB B-556
<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 and Thursday	10/24/16	12/22/16	6.00 PM - 8.00 PM	Requested MSB Room B554
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				
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	08/29/16	12/05/16	6.00 PM - 9.00 PM	MSB Room B-610

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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	9/21/16	12/14/16	5:30 PM - 8:30 PM	First Session MSB Room B-617 all other sessions refer to syllabus.
<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	08/31/16	11/23/16	6.00 PM - 8.00 PM	MSB Room B-610
<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	09/06/16	12/06/16	4.30 PM - 5.45 PM	Dental School Room B-983
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				
<u>MSBS 593BQ</u>	<u>Research in Biomedical Sciences</u>	Dr. Stephen Garrett garretst@njms.rutgers.edu 973-972-0323	Use this course # for the second rotation. Permission of the Course Director .	2	S/U	By Arrangement				
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	09/01/16	12/22/16	5.00 PM - 8.00 PM	MSB Room C-600 and MSB B-522 (for 9/1/16 and 9/8/16)

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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, and Friday	09/06/16	10/21/16	12.00 PM - 2.00 PM	MSB C-555
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 and Thursday	10/24/16	12/19/16	4.00 PM - 6.00 PM	Requested MSB Room B-610
PATH 511AQ	Immunology A	Dr. Patricia Fitzgerald-Bocarsly bocarsly@rutgers.edu 973-972-5233	Open to Masters students only. (See below for required text).	2	N	Monday and Wednesday	10/17/16	12/14/16	4.30 PM - 6.00 PM	Requested MSB C-600
PATH N5209	The Business of Science: Drug Development - From Molecules to Medicines	Dr. Nicholas Ponzio ponzio@njms.rutgers.edu 973-972-5238	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	09/07/16	12/21/16	6:00 PM - 9:00 PM	MSB C-555
PHPY N5021	Fundamentals of Pharmacology	Dr. Martha Nowycky nowyckmc@njms.rutgers.edu 973-972-4391	Open to Masters and PhD students.	3	N	Monday	09/12/16	12/14/16	6.00 PM - 9.00 PM	MSB B-552
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	09/08/16	12/08/16	6.00 PM - 9.00 PM	MSB B-552

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 leebea@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: 09/16/16 MM

Required Text

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CBMM 5350Q	Molecular Medicine of the Heart	Physiology of the heart (fifth edition) by Arnold M. Katz and The Heart: Physiology from Cell to Circulation by Lionel H Opie								
DENT 7109Q	Dental Neuroscience	Nolte; The Human Brain 6th Edition								
DENT 7106Q	Dental Histology	<ol style="list-style-type: none"> 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)	Suggested Texts: Lippincott's Illustrated Reviews: Biochemistry, 6th edition, 2014, by Harvey and Ferrier, published by Lippincott Williams and Wilkins, Philadelphia or Principles of Medical Biochemistry, 3rd edition, 2012, by G. Meisenberg and W,H, Simmons, Elsevier – Saunders								
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 et al eds								
PATH 511AQ	Immunology A	Janeway's Immunobiology 8 th Edition, Garland Scientific								