

SPRING 2016 MASTERS, CERTIFICATE & NON-MATRICULATED COURSE SCHEDULE

Graduate School of Biomedical Sciences

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Course #	Title	Course Director	Prerequisites	Credits	Grade Mode	Day(s)	Start Date	End Date	Start Time	End Time	Location
BIOC 5007Q	Foundations of Biochemistry and Molecular Biology	Virendra N Pandey vnp22@njms.rutgers.edu 973-972-0660	Open to Masters & PhD students.	1	N	Monday & Thursday	3/3	4/25	5:00 PM	6:00 PM	ICPH Auditorium
BIOC 5100Q	Molecular Oncology	Michael A. Lea lea@njms.rutgers.edu 973-972-5345	Open to Masters & PhD students. See below for the required/recommended text for the course.	2	N	Monday	1/11	5/9	6:30 PM	8:30 PM	ICPH Auditorium
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.	2	N	Tuesday & Thursday	1/5	2/23	5:00 PM	7:00 PM	Cancer Center G-1196
BIOC 5330Q	Signaling Mechanisms in Biological Systems	Melissa B. Rogers rogersmb@njms.rutgers.edu 973-972-2984	Open to Master's students- Fundamentals of Biomedical Sciences- A or Introduction to Biomedical Sciences- COURSE CANCELLED.	2	N	Tuesday	1/5	4/19	5:00 PM	7:00 PM	
CBMM 5020Q	Developmental Biology & Stem Cells	Diego Fraidenaich fraidedi@njms.rutgers.edu 973-972-5525	Open to Masters & PhD students.	2	N	Tuesday & Friday	2/23	4/14	10:00 AM	12:00 PM	MSB G-609
CBNP 5030Q	Clinical Neuroimmunology	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 Molecular Cellular Immunology (PATH 5210), or permission of course director.	2	N	Monday & Wednesday	2/22	4/13	5:30 PM	7:30 PM	MSB H-506
CBNP 5033Q	Systems Neuroscience	Kevin Pang pangke@njms.rutgers.edu 973-676-1000 x-1277		2	N	Tuesday & Wednesday	4/18	6/10	3:00 PM	5:00 PM	Cancer Center H-1196 *Note: Class in G-1196 on 04/20 & 05/18

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CBNP 5034Q	Biology of Vascular Disease	Annie Beuve beuveav@njms.rutgers.edu 973-972-8838 Walter Duran duran@njms.rutgers.edu 973-972-4372	Open to Masters & PhD students. IBMS (GSND 5200Q) and Molecular Physiology of Cell Communication (CBNP 5036Q) or Cardiovascular Systems (CBNP 5035Q). Permission of course director for Masters students is required.	2	N	Tuesday Wednesday	4/19	6/8	11:00 AM 10:00 AM	1:00 PM 12:00 PM	MSB H-609B
CBNP 5037Q	Regenerative Medicine	Elizabeth Moran moranel@njms.rutgers.edu 973-972-5854 Steve Levison levisow@njms.rutgers.edu 973-972-5162	Open to Masters & PhD students. Background in cell biology and development suggested.	2	N	Monday & Wednesday	4/20	6/13	3:00 PM	5:00 PM	Cancer Center F-1197
CBNP 5068Q	Molecular Mechanisms of Diseases	Yongkyu Park parky1@njms.rutgers.edu 973-972-2969	Open to Masters & PhD students. Background in Cell and Molecular Biology	3	N	Monday	2/1	5/16	9:00 AM	12:00 PM	MSB G-609
CBNP 5140Q	Topics in Neuroimmunology	Christine Rohowsky-Kochan rohowskm@njms.rutgers.edu 973-972-7394	Open to Masters & PhD students. Immunology A (PATH511A) or Molecular & Cellular Immunology (PATH5210Q) or permission of course director.	2	N	Monday & Wednesday	4/18	6/8	5:00 PM	7:00 PM	MSB H-506
CBNP-5170Q	Exercise & Environmental Physiology	Jorge Serrador jorge.serrador@rutgers.edu 973-676-1000 x12805 Michael Falvo michael.falvo@va.gov 973-676-1000 x12423	Open to Masters & PhD students. Foundations of Integrative Physiology (CBNP 5165Q) or permission of course director. COURSE CANCELLED.	2	N	Tuesday Wednesday	2/23	4/14	2:00 PM 1:00 PM	4:00 PM 3:00 PM	Cancer Center H-1197

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CBNP 5250Q	Introduction to Neurochemistry & Neuropharmacology	Jorge Contreras contrejo@njms.rutgers.edu 973-972-3666 Gusheng Wu gwu@njms.rutgers.edu 973-972-7988 Robert Ledeen ledeenro@njms.rutgers.edu 973-972-7989	Open to Masters & PhD students. Fundamentals A (GSND N500A), or IBMS (GSND 5200Q), or permission of course director. Limit of 50. At least 5 students need to enroll, for the course to be offered.	2	N	Tuesday & Thursday	4/19	6/9	5:30 PM	7:30 PM	MSB H-506
CBNP 5255Q	Endocrinology of Growth & Metabolism	Nicholas Illsley illsleni@njms.rutgers.edu nillsley@hackensackumc.org 551-996-8122	Open to Masters & PhD students. Limit of 24 Students.	1	N	Wednesday	4/20	6/8	4:00 PM	6:00 PM	MSB 609 B+C <i>*Note:</i> Course will be in MSB B-542 on 05/04 and 06/08
CBNP 5265Q	Heart Function and Pathophysiology	Joshua Berlin josh.berlin@rutgers.edu 973-972-1618	Open to Masters & PhD students. IBMS (GSND 5200Q) and MPCC (CBNP 5036Q), or permission of course director. COURSE CANCELLED.	2	N	Wednesday	2/24	4/13	10:00 AM	12:00 PM	TBA
DENT 5025Q	Fundamentals of Dental Materials Science	Anil Ardesbna ardeshap@sdm.rutgers.edu 973-972-1892	Open to Masters & PhD students. Enrollment limit 35. See below for the required/recommended text for the course.	2	N	Friday	1/8	4/15	9:00 AM	11:00 AM	MSB C-600 <i>*Note:</i> Course will be in DS B-853 on 02/12, 03/11, 04/08, and 04/15
DENT 5065Q	Dental Physiology	Marguerite Stout stout@njms.rutgers.edu 973-972-4132	Enrollment limit 15. For undergraduate prerequisite information and enrollment approval, contact Dr. Vincent Tsiagbe at tsiagbvk@sdm.rutgers.edu or 973-972-2612. (See below for required text).	5	N	Monday Tuesday Wednesday Thursday Friday	1/4	3/21	2:00 PM 1:00 PM 1:00 PM 1:00 PM 1:00 PM	3:50 PM 1:50 PM 2:50 PM 2:50 PM 2:50 PM	Oral Health Pavilion B-961 <i>*Note:</i> Course will be in B554 on 02/12

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DENT 5085Q	Dental Biochemistry	Richard Howells howells@njms.rutgers.edu 973-972-5652	Open to Masters & PhD students. This is a Dental School course. Limited intake of 15 students only. Special permission required from: Dr. Vincent K. Tsiagbe 973-972-2612 tsiagbvk@sdm.rutgers.edu.	4	N	Monday Wednesday Thursday	1/4	3/11	11:00 AM 10:00 AM 10:00 AM	12:50 PM 11:50 AM 11:50 AM	Oral Health Pavilion B-961 <i>*Note: Course will be in B965 on 02/11 ** Day/Times: Refer to syllabus for details</i>
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	1/6	4/20	1:00 PM	3:00 PM	Dental School B-986
DENT 5300Q	Oral Microbiology	Scott Kachlany kachlasc@sdm.rutgers.edu 973-972-3057	Open to both Masters and PhD students. Enrollment limit of 75. (See below for required text).	3	N	Monday Tuesday Wednesday	3/21	5/11	11:00 AM 2:00 PM 11:00 AM	12:50 PM 3:50 PM 12:50 PM	Oral Health Pavilion B-963
DENT 5310Q	Oral Immunology	Vincent Tsiagbe tsiagbvk@sdm.rutgers.edu 973-972-2612	Open to Masters & PhD students. Limit of 75 students.	3	N	Monday Tuesday Wednesday	5/16	6/26	11:00 AM 2:00 PM 11:00 AM	12:50 PM 3:50 PM 12:50 PM	Oral Health Pavilion B-963
DENT 5910Q	Oral Biology Research Seminar	Scott Kachlany kachlasc@sdm.rutgers.edu 973-972-3057	Open to Masters & PhD students.	1	N	Friday	1/22	4/8	1:00 PM	2:00 PM	MSB B-610
GSND 5008Q	QA/QI Research in Clinical Settings	Ping-Hsin Chen chenpi@njms.rutgers.edu 973-972-7351 Steven Keller sek1949@gmail.com 973-972-5036	Open to Masters & PhD students. Prior experience in chart reviews and statistical analysis are not assumed or required. Enrollment limit of 35. Immunizations according to Rutgers policy.	3	N	Thursday	1/14	4/21	Lecture 1:00 PM Lab TBA	Lecture 3:00 PM Lab TBA	MSB B-554 <i>*Note: Class in MSB B-516 on 01/14 and 03/10</i>
GSND 5113Q	Gene Expression	Emanuel Goldman egoldman@njms.rutgers.edu 973-972-4367	Open to Masters students only in the Spring semester. Enrollment limit 75.	3	N	Monday & Thursday	5/2	6/30	2:20 PM	5:00 PM	ICPH Auditorium

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GSND 5300Q	Independent Study in Biomedical Sciences	Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899		1 to 4	S	By Arrangement					
GSND 5320Q	Pharmacology and Drug Marketing	David Segarnick segarndj@njms.rutgers.edu 973-996-2367	Open to Masters & PhD students. Principles of Pharmacology (PHPY 5020) or Fundamentals of Pharmacology (PHPY N5021) or Principles of Toxicology (PHPY N5225). See below for the required/recommended text for the course.	2	N	Tuesday	1/5	3/29	7:00 PM	9:00 PM	Cancer Center G-1196
GSND N500B	Fundamentals of Biomedical Science Part B: Cellular Biology	Diego Fraidenaich fraidedi@njms.rutgers.edu 973-972-5525	Open to Masters students only.	3	N	Wednesday	1/13	5/18	6:00 PM	9:00 PM	MSB B-556 *Note: Class in MSB B-552 on 01/13
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	4/26	6/2	5:30 PM	8:30 PM	ICPH Auditorium
MICR N5233	Microbes and Infectious Disease	Stephen Garrett garretst@njms.rutgers.edu 973-972-4511	Open to Masters & PhD students.	3	N	Tuesday	1/5	4/26	2:00 PM	5:00 PM	MSB B-610
MSBS 5000Q	Masters Thesis Research	Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899		5	S/U	By Arrangement					
MSBS 5015Q	The Host Response to Injury	Zoltan Spolarics spolaric@njms.rutgers.edu 973-972-0117	Open to Masters students only.	2	N	Monday & Thursday	1/11	3/21	5:00 PM	7:00 PM	MSB B-609 B+C
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					

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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 5126Q	Human Genetics and Genomics	David Kaback kaback@njms.rutgers.edu 973-972-4483 ext. 28967	Masters students only. Fundamentals of Biomedical Sciences or permission of instructor. See below for the required/recommended text for the course.	2	N	Monday & Thursday	2/22	4/14	10:00 AM	11:50 AM	MSB B-605
MSBS 593AQ	Research in Biomedical Sciences	Stephen Garrett garretst@njms.rutgers.edu 973-972-4511	Masters students only. Use this course # for the first rotation.	2	N	By Arrangement					
MSBS 593BQ	Research in Biomedical Sciences	Stephen Garrett garretst@njms.rutgers.edu 973-972-4511	Masters students only. Use this course # for the second rotation (special permission required)	2	S/U	By Arrangement					
MSBS 7000Q	Masters Thesis Continuation	Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899	Prior registration for MSBS 5000Q. Use Master's Thesis Continuation Form; Permission of Mentor & Dr. Lutz.	1 to 8	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	Monday	1/25	3/28	6:00 PM	8:00 PM	MSB B-619 B+C
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	5/31	7/7	6:00 PM	8:00 PM	MSB B-610
NEUR 5240Q	Demyelinating Diseases	Teresa Wood woodte@njms.rutgers.edu 972-972-6529	Open to Masters & PhD students. Cellular & Developmental Neuroscience (CBNP 5150Q) or permission of course director. Permission of course director for Masters students is required.	1	N	TBD	2/22	4/15	TBD	TBD	TBD

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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	1/7	4/14	5:30 PM	8:30 PM	Cancer Center H-1196
PATH 511BQ	Immunology B	Patricia Fitzgerald-Bocarsly bocarsly@rutgers.edu 973-972-5233	Successful completion of Immunology A (PATH 511A).	1	N	Monday & Wednesday	1/6	2/1	4:30 PM	6:00 PM	MSB C-555
PATH 5130Q	DNA Repair in Health and Disease	Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405		1	N	Monday & Wednesday	1/25	3/2	4:00 PM	5:30 PM	MSB C-600
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	1/11	4/25	2:00 PM	5:00 PM	MSB C-600 *Note: Course in MSB B-554 on 01/25 and the entire month of February. Course in MSB B-610 on 03/07.
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.	2	N	Tuesday & Thursday	3/8	4/14	4:00 PM	6:00 PM	MSB H-609B
PHPY 5280Q	Gastrointestinal Physiology and Nutrition	Ronaldo Ferraris ferraris@njms.rutgers.edu 973-972-4519	Open to Masters & PhD students. Biochemistry and Physiology suggested.	1	N	Tuesday	5/3	6/14	4:00 PM	6:00 PM	MSB C-600 *Note: Class in MSB B-610 on 05/31, 06/07, & 06/14

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PHPY N5030	Topics in Pharmacology	Richard D. Howland howland@njms.rutgers.edu 973-972-4388	Open to Masters students only. Some Physiology recommended. See below for the required/recommended text for the course.	3	N	Thursday	1/14	5/12	6:00 PM	9:00 PM	MSB B-552 *Note: Class in MSB B-610 on 02/04
PHPY N526Q	Principles of Toxicology II	Ramez Labib ramezlabib@yahoo.com Thomas Visalli tvis624@yahoo.com	Open to Masters & PhD students.	3	N	Tuesday	2/9	5/10	6:00 PM	9:00 PM	MSB B-556

Last Update: 01/08/16 BS

Required/Recommended Text for courses

BIOC 5100Q	<i>Molecular Oncology</i>	R.A. Weinberg. The Biology of Cancer, Garland Science, New York, NY, 2014
CBMM N594C	<i>Regional Gross Anatomy: Back & Extremities</i>	Moore Clinically Oriented Anatomy, 7th Edition, by Keith L. Moore and Arthur Dalley, Lippincott Williams & Wilkins - older versions acceptable
CBNP 5037Q	<i>Regenerative Medicine</i>	David L. Stocum entitled "Regenerative Biology and Medicine" 2nd Edition which is published by Academic Press. ISBN: 978-0-12-384860-4.
CBNP 5250Q	<i>Introduction to Neurochemistry & Neuropharmacology</i>	Basic Neurochemistry, Eighth Edition: Principles of Molecular, Cellular, and Medical Neurobiology
DENT 5025Q	<i>Fundamentals of Dental Materials Science</i>	Introduction to Dental Materials. Richard Van Noort. 4th Edition 2013, ISBN: 978-0723436591 Mosby Ltd.
DENT 5085Q	<i>Dental Biochemistry</i>	Lippincott's Illustrated Reviews in Biochemistry, 6th North American Ed. ISBN-13:978-1451175622. See Syllabus for more
DENT 5300Q	<i>Oral Microbiology</i>	Medical Microbiology, 7th edition. Murray, et al. Mosby, Inc. ISBN: 978-0-323-08692-9.
DENT 5310Q	<i>Oral Immunology</i>	Recommended: Janeway's Immunology, 8th edition, 2012. ISBN: 978-0-8153-4243-4, see syllabus for others

