

# SPRING 2021 MASTERS, CERTIFICATE & NON-MATRICULATED COURSE SCHEDULE

## School of Graduate Studies

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Course #	Title	Course Director	Prerequisites	Credits	Grade Mode	Day(s)	Start Date	End Date	Start Time	End Time	Location
BIOC 5125Q	Viruses, Cells and Disease	Michael Mathews mathews@njms.rutgers.edu 973-972-3133 Sergei Kotenko kotenkse@njms.rutgers.edu	Open to Masters & PhD students. Approval by Course Directors for Masters students. Enrollment limit 30	2	N	Tuesday & Thursday	1/7	2/25	5:00 PM	6:50 PM	Virtual
CBMM 5020Q	Developmental Biology & Stem Cells	Diego Fraidenaich fraidedi@njms.rutgers.edu 973-972-5525	Open to Masters & PhD students. Enrollment Limit 20	2	N	Tuesday & Friday	2/19	4/9	10:00 AM	11:50 AM	Virtual
CBMM N5001	Basic Histology	Virgil Muresan, Ph.D. muresavi@njms.rutgers.edu 973-972-2392	Enrollment limit 45.	3	N	Thursday	1/7	4/15	6:00 PM	8:50 PM	Live lectures via zoom
CBMM N594B	Regional Gross Anatomy: Head and Neck	George Holan, PT, DPT, GCS, NCS holange@njms.rutgers.edu	Enrollment limit 50.	3	N	Thursday	1/7	4/22	3:00 PM	4:50 PM	Virtual
CBNP 5033Q	Systems Neuroscience	Kevin Beck beckkd@njms.rutgers.edu 973-676-1000 x3682	Enrollment limit 25.	2	N	Tuesday & Wednesday	4/20	6/20	5:00 PM	6:50 PM	Virtual
CBNP 5068Q	Molecular Mechanisms of Diseases	Yongkyu Park parky1@njms.rutgers.edu 973-972-5504	Open to Masters & PhD students. Background in Cell and Molecular Biology	3	N	Mondays	2/8	5/17	6:00 PM	9:00 PM	Virtual
CBNP 5140Q	Topics in Neuroimmunology	Christine Rohowsky-Kochan rohowscm@njms.rutgers.edu	Open to Masters and PhD Immunology Course as a prerequisite or Permission of instructor	2	N	Monday & Wednesday	2/22	4/12	5:00 PM	6:50 PM	Virtual

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Course #	Title	Course Director	Prerequisites	Credits	Grade Mode	Day(s)	Start Date	End Date	Start Time	End Time	Location
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	1/15	4/15	10:00 AM	11:50 AM	Virtual

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DENT 5065Q	Dental Physiology	Roman Shirokov roman.shirokov@rutgers.edu 973-972-4132 <b>(Please read syllabus thoroughly for lab &amp; exam dates.)</b>	<b>Enrollment limit 15.</b> For undergraduate prerequisite information and enrollment approval, contact Dr. Vincent Tsiagbe at <a href="mailto:tsiagbvk@sdm.rutgers.edu">tsiagbvk@sdm.rutgers.edu</a> or 973-972-2612. (See below for required text).	5	N	Monday Tuesday Wednesday Thursday Friday	1/4	3/8			Virtual
DENT 5085Q	Dental Biochemistry	Michael A. Lea lea@njms.rutgers.edu 973-972-5345 <b>(Please read syllabus thoroughly Tuesday Class to be not be held during weeks 4/12 and 5/17)</b>	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 <a href="mailto:tsiagbvk@sdm.rutgers.edu">tsiagbvk@sdm.rutgers.edu</a> .	4	N	Monday Tuesday	3/22	6/15	11:00 AM 10:00 AM	12:50 PM 12:50 PM	Virtual
DENT 5220Q	Methods in Microscopic Imaging	Kabilan Velliyagounder velliyka@sdm.rutgers.edu 973-972-5051	<b>Open to Masters &amp; PhD students.</b> <b>Enrollment Limit 12.</b>	2	N	Wednesday	1/6	4/21	1:00 PM	2:50 PM	Virtual
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 performance in first or second semester at SGS-N is an advantage. Advice from Dental Scholar Adviser or Course Director is recommended.	3	N	Monday Tuesday Friday	1/4	3/12	1:00 PM 1:00 PM 10:00 AM	2:50 PM 2:50 PM 11:50 AM	Virtual

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Course #	Title	Course Director	Prerequisites	Credits	Grade Mode	Day(s)	Start Date	End Date	Start Time	End Time	Location
DENT 5310Q	Oral Immunology	Vincent Tsiagbe tsiagbvk@sdm.rutgers.edu 973-972-2612 <b>(Please read syllabus thoughly)</b>	Enrollment limit of 70. Open to Masters & PhD Students. Previous course in Cell Biology or good academic performance in first or second semester at SGS-N is an advantage. Advice from Dental Scholar Adviser or Course Director is recommended.	3	N	Monday Tuesday Wednesday	3/22	4/20	2:00 PM 1:00 PM 9:00 AM	3:50 PM 2:50 PM 10:50 AM	Virtual
DENT 5910Q	Oral Biology Research Seminar	Scott Kachlany kachlasc@sdm.rutgers.edu 973-972-3057	Open to Masters & PhD students.	1	N	Friday	1/15	4/2	1:00 PM	1:50 PM	Virtual
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	1/7	4/15	12:00 PM	1:50 PM	Virtual
GSND 5113Q	Gene Expression	Emanuel Goldman egoldman@njms.rutgers.edu 973-972-4367	Open to Masters students only in the Spring semester. Enrollment limit 40.	3	N	Monday & Thursday	4/30	6/29	2:20 PM	4:50 PM	Virtual
GSND 5120Q	<u>Clinical Implications of Human Poisoning</u>	Lewis Nelson ln196@njms.rutgers.edu Cynthia Santos cynthia.d.antos@rutgers.edu	Enrollment Limit 30	2	N	Monday & Thursday	6/7	7/30	2:00 PM	4:50 PM	Virtual
GSND 5300Q	Independent Study in Biomedical Sciences	Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899		1 to 4	S	By Arrangement					

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GSND 5320Q	Pharmacology & Pharmaceutical Marketing	David Segarnick, PhD <a href="mailto:segarnjd@njms.rutgers.edu">segarnjd@njms.rutgers.edu</a>	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	1/13	3/10	7:00 PM	8:30 PM	Virtual
GSND 5325Q	Introduction to Bio-Medical Ethics	Dr. Michael E. Shapiro <a href="mailto:mes362@njms.rutgers.edu">mes362@njms.rutgers.edu</a> 973-972-6639	Open to Masters and PhS students Enrollment Limit 30	2	N	Thursday	1/7	5/6	10:00 AM	11:50 AM	Virtual
GSND 5501Q	Medical Biochemistry & Genetics	M. Zafri Humayun	Open to Masters students only for approval, contact Krista Blackwell <a href="mailto:blackwkn@njms.rutgers.edu">blackwkn@njms.rutgers.edu</a> 973-972-2863	5	N	Monday - Friday	1/11	2/19	2:00 PM	4:50 PM	Virtual
GSND N500B	Fundamentals of Biomedical Science Part B: Cellular Biology	Diego Fraidenaich <a href="mailto:fraidedi@njms.rutgers.edu">fraidedi@njms.rutgers.edu</a> 973-972-5525	Open to Masters students only.	3	N	Wednesday	1/13	5/19	6:00 PM	8:50 PM	Virtual
MBGC 5002Q	Introduction to Genomics, Proteomics, and Bioinformatics	Seema Husain <a href="mailto:husainse@njms.rutgers.edu">husainse@njms.rutgers.edu</a> Vivian Bellofatto <a href="mailto:bellofat@rutgers.edu">bellofat@rutgers.edu</a>	Open to Masters & PhD students. IBMS (GSND 5200Q) or Fundamentals A (GSND N500A) or permission of the course director.	2	N	Monday & Wednesday	2/24	4/15	10:00 AM	11:50 AM	Virtual
MICR 5231Q	Molecular Virology	Hua Zhu <a href="mailto:zhuhu@njms.rutgers.edu">zhuhu@njms.rutgers.edu</a> 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	6/1	7/1	5:30 PM	8:30 PM	Virtual
MICR N5233	Microbes and Infectious Disease	Ian Whitehead <a href="mailto:whiteip@njms.rutgers.edu">whiteip@njms.rutgers.edu</a> 973-972-5215	Open to Masters & PhD students.	3	N	Tuesday	1/5	4/20	2:00 PM	4:50 PM	Virtual
MSBS 5000Q	Masters Thesis Research	Carol Lutz <a href="mailto:lutzcs@njms.rutgers.edu">lutzcs@njms.rutgers.edu</a> 973-972-0899		5	S/U	By Arrangement					

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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 5126Q	Human Genetics and Genomics	David Kaback kaback@njms.rutgers.edu 973-972-8967 or text 917-561-1050	Masters students only. Fundamentals of Biomedical Sciences A or permission of instructor. Enrollment limit 25	3	N	Monday & Thursday	1/4	5/3	9:45 AM	11:30 AM	Virtual
MSBS 593AQ	Research in Biomedical Sciences	Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899	Masters students only. Use this course # for the first rotation.	2	N	By Arrangement					
MSBS 599AQ	Biomedical Training Internship A	Doreen Badheka doreen.badheka@rutgers.edu 973-972-0908	Masters students only. Use this course # for the first rotation.	3	N	By Arrangement					
MSBS 599BQ	Biomedical Training Internship B	Doreen Badheka doreen.badheka@rutgers.edu 973-972-0908	Masters students only	3	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 9	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	1/25	3/29	6:00 PM	7:50 PM	Virtual
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	5/25	7/1	6:00 PM	7:50 PM	Virtual

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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	4/15	5:30 PM	8:20 PM	Virtual
PATH 511BQ	Immunology B	Dr. Patricia Fitzgerald-Bocarsly bocarsly@njms.rutgers.edu Dr. Christine Rohowsky-Kochan rohowscm@njms.rutgers.edu	Successful completion of Immunology A (PATH 511A).	1	N	Monday & Wednesday	1/4	2/15	2:30 PM	3:50 PM	Virtual
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	1/20	2/24	4:00 PM	5:20 PM	Virtual
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	1/4	4/19	2:00 PM	4:50 PM	Virtual
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	2/23	4/15	4:00 PM	5:50 PM	virtual
PHPY N5030	Topics in Pharmacology	Lester Sultatos sultatle@njms.rutgers.edu 973-972-6612	Open to Masters students only. Some Physiology recommended. Enrollment limit 35	3	N	Thursday	1/14	5/20	6:00 PM	8:50 PM	Virtual

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PHPY N526Q	Principles of Toxicology II	Ramez Labib <a href="mailto:ramezlabib@yahoo.com">ramezlabib@yahoo.com</a> Thomas Visalli <a href="mailto:tvis624@yahoo.com">tvis624@yahoo.com</a>	Open to Masters & PhD students.	3	N	Tuesday	2/2	5/4	6:00 PM	8:50 PM	virtual

Last Update: 12/30/2020 MB

### Required Texts

DENT 5300Q	Medical Microbiology 8th Edition. Authors: Patrick Murray Ken and Rosenthal Michael Pfaller (Paperback ISBN: 9780323299565)
GSND 5320Q	The Pharmacologica+A1:L64I Basis of Therapeutics (12th Edition)