

Fall 2025 MASTER, CERTIFICATE & NON-MATRICULATED COURSE SCHEDULE

School of Graduate Studies Health Science Campus, Newark

Additional courses located on the PhD schedule may be available with permission from the course director.

Highlighted courses are not available for online registration. Students must seek permission from the course director.

[Click here for a Description of Courses.](#)

| Course Number | Course Title | Course Director | Prerequisites | Credits | Grade Mode | Date | Day | Time | Instruction Mode | Location |
|---------------|--|---|--|---------|------------|------------|----------------------|-----------------------------------|----------------------|------------|
| CBMM 5002Q | Practical Approaches for Studying Protein Function | Dr. Danish Sayed sayeddh@njms.rutgers.edu 973-972-5243 Dr. Mariana De Lorenzo delorems@njms.rutgers.edu 973-972-4315 | Funds of Biomedical Science or Introduction of Biomedical Sciences Permission of Course Director is required | 2 | N | 9/10-12/3 | Wednesday | 2:00pm-3:50pm | In-Person | MSB G-609B |
| CBMM 5350Q | Molecular Medicine of the Heart | Dr. Gopal Babu babugo@njms.rutgers.edu 973-972-2392 | Masters & PhD Students College Biology Required Permission of Course Director is required Enrollment Limit: 40 Students | 3 | N | 9/2-12/9 | Tuesday | 9:30am-12:30pm | In-Person/ Remote | MSB B610 |
| CBMM N5001 | Basic Histology | Virgil Muresan muresavi@njms.rutgers.edu 973-972-0573 | Masters & PhD Students Enrollment Limit: 55 Students | 3 | N | 8/21-12/4 | Thursday | 6:00pm-8:50pm | In-Person/ Remote | MSB B610 |
| CBNP 5032Q | Behavioral & Cognitive Neuroscience | Dr. Kevin Beck beckkd@njms.rutgers.edu 973-676-1000 | PhD & Masters Students Master students must have had Funds of Neuroscience Enrollment Limit: 30 students | 2 | N | 8/26-10/15 | Tuesday Wednesday | 5:30pm-7:20pm | In-Person/ Remote | MSB B619 |
| CBNP 5150Q | Cell/Developmental Neuroscience | Dr. Terri Wood woodte@njms.rutgers.edu 973-972-6529 | Master Students Instructor permission is required | 1 | N | 10/20-12/8 | Monday Wednesday | 1:00pm-2:25pm | In-Person/Remote | CC-H1196 |
| CBNP 5165Q | Foundations of Integrative Human Physiology | Dr. Michael Falvo michael.falvo@njms.rutgers.edu | Masters students must have college level course in human physiology/anatomy and physiology Enrollment Limit: 25 Students | 2 | N | 9/9-11/6 | Tuesday Thursday | 3:30pm-5:20pm | In-Person/Remote | MSB H609 |
| DENT 5065Q | Dental Physiology | Dr. Roman Shirokov rshiroko@njms.rutgers.edu 973-972-8869 | Must obtain approval from Dr. Vincent Tsiagbe tsiagbvk@sdm.rutgers.edu 973-972-2612 | 5 | N | 11/25-3/4 | Monday- Friday | Refer to Syllabus for class times | In-Person | OHP B-961 |
| DENT 5145Q | Introduction to Structural Biology | Dr. Narayanan Ramasubbu ramasun1@sdm.rutgers.edu 973-972-0704 | Masters & PhD Students Enrollment Limit: 40 Students | 1 | N | 9/3-12/17 | Wednesday | 10:00am-10:50am | Remote | N/A |

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| DENT 5220Q | Methods in Microscopic Imaging | Dr. Kabilan Velliyagounder velliyka@sdm.rutgers.edu 973-972-5051 | Masters & PhD Students Enrollment Limit: 12 Students | 2 | N | 9/3-12/17 | Wednesday | 1:00pm-2:50pm | In-Person/Remote | Requested MSB C600 |
| DENT 5226Q | Bacteriology and Oral Disease | Daniel Kadouri kadourde@sdm.rutgers.edu 973-972-7401 | Masters & PhD Students Not open to students who have taken Bacteriology and Oral Infectious Diseases DENT 5225Q. Students who have taken Oral Microbiology DENT 5300Q will need to obtain approval from the course director. | 2 | N | 9/2-11/4 | Tuesday Thursday | 10:00am-12:00pm | Remote | N/A |
| Dent 7106Q | Dental Histology | Virgil Muresan muresavi@njms.rutgers.edu 973-972-0573 | Must obtain approval from Dr. Vincent Tsiagbe tsiagbvk@sdm.rutgers.edu 973-972-2612 | 5 | N | 8/11-11/25 | Monday-Friday | Refer to Syllabus for class times | In-Person | OHP B-961 |
| DENT 7109Q | Dental Neuroscience | Dr. Henry Edinger edinger@njms.rutgers.edu 973-972-4642 Dr. Amjad Ilyas ilyasaa@njms.rutgers.edu 973-972-3580 | Must obtain approval from Dr. Vincent Tsiagbe tsiagbvk@sdm.rutgers.edu 973-972-2612 | 4 | N | 8/11-11/20 | Monday-Thursday | Refer to Syllabus for class times | In-Person | OHP B-961 |
| GSND 5113Q | Gene Expression | Dr. Emanuel Goldman egoldman@njms.rutgers.edu 201-774-0161 | Masters & PhD Students Enrollment Limit: 70 Students | 3 | N | 9/2-12/16 | Tuesday | 2:20pm-5:00pm | In-Person/Remote | ICPH Auditorium |
| GSND 5235Q | Principles of Clinical & Translational Research in Oncology | Dr. Robert Wiedner wiederro@njms.rutgers.edu 973-972-4871 | Masters & PhD Students Enrollment Limit: 24 Students | 2 | N | 9/8-12/8 | Monday | 6:00pm-8:15pm | In-Person/Remote | CC G1196 |
| GSND 5320Q | Pharmacology & Pharmaceutical Marketing | Dr. David Segarnick segarnjd@njms.rutgers.edu 201-919-1202 | Masters & PhD Students Must have taken one of the following courses: PHPY 5020, PHPY N5021 or PHPY N5225 Enrollment Limit: 50 Students | 2 | N | 9/9-11/4 | Tuesday | 7pm-8:30pm | Remote | N/A |

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|------------------------|--|--|--|---------|------------|-------------|---------------------|-----------------|----------------------|----------|
| GSND 5325Q Section 001 | Introduction to BioMedical Ethics | Dr. Michael Shapiro mes362@njms.rutgers.edu 973-972-5017 | Enrollment Limit: 30 Students | 2 | N | 9/11-12/11 | Thursday | 10:00am-11:50am | Remote | N/A |
| GSND 5325Q Section 002 | Introduction to BioMedical Ethics | Dr. Michael Shapiro mes362@njms.rutgers.edu 973-972-5017 | Enrollment Limit: 30 Students | 2 | N | 9/9-12/9 | Tuesday | 2:00pm-3:50pm | In-Person | MSB C600 |
| GSND 5335Q | Coronavirus Molecular Biology/Medicine | Dr. Michael Mathews mathews@njms.rutgers.edu 973-972-3133 | Masters & PhD Students | 2 | N | 10/21-12/18 | Tuesday Thursday | 1:00pm-3:00pm | In-Person/ Remote | MSB B610 |
| GSND 5355Q | Machine Learning for Biomedical Data | Dr. Evan Johnson wj183@njms.rutgers.edu 801-472-6951 | Masters & PhD Students Must have taken Funds of Data Science Enrollment Limit: 30 | 2 | N | 10/14-12/11 | Tuesday Thursday | 12:00pm-1:50pm | In-Person/ Remote | TBA |
| GSND 5205Q | Genes & Molecules in Medicine | Dr. Lawrence Gaspers gasperl@njms.rutgers.edu 973-972-5379 | Masters Students Only Approval is required from Dr. Gaspers gasperl@njms.rutgers.edu | 3 | N | 8/18-9/5 | Monday-Friday | 9:00am-2:50pm | In-Person | MSB B556 |
| GSND 5505Q | Foundations in Medical Physiology, Pharmacology & Metabolism | Dr. Lawrence Gaspers gasperl@njms.rutgers.edu 973-972-5379 | Masters Students Only Approval is required from Dr. Gaspers gasperl@njms.rutgers.edu | 4 | N | 10/27-11/14 | Monday-Friday | 9:00am-2:50pm | In-Person | MSB B556 |
| GSND 5510Q | Medical Immunology | Dr. Lawrence Gaspers gasperl@njms.rutgers.edu 973-972-5379 | Masters Students Only Approval is required from Dr. Gaspers gasperl@njms.rutgers.edu | 2 | N | 12/8-12/19 | Monday-Friday | 9:00am-2:50pm | In-Person | MSB B556 |
| GSND 5515Q | Medical Microbiology | Dr. Lawrence Gaspers gasperl@njms.rutgers.edu 973-972-5379 | Masters Students Only Approval is required from Dr. Gaspers gasperl@njms.rutgers.edu | 3 | N | 11/17-12/5 | Monday-Friday | 9:00am-2:50pm | In-Person | MSB B556 |

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| GSND N500A | Fundamentals of Biomedical Sciences (Part A) | Dr. Melissa Rogers rogersmb@njms.rutgers.edu 973-972-5345 | Masters Students | 3 | N | 8/27-12/10 | Wednesday Friday | 4:00pm-5:30pm 3:00pm-4:30pm | In-Person/ Remote | MSB B552 MSB C600 |
| MBGC 5071Q | Chromosome Dynamics: From Structural to Genetic Variation and Disease | Dr. Katsunori Sugimoto sugimoka@njms.rutgers.edu 973-972-4436 | Masters students must contact Dr. Sugimoto before registration. Course details: https://sugimoka.wixsite.com/web-site-1/group/mbgc-5071/discussion Enrollment Limit: 10 Students | 2 | N | 9/15-12/16 | Monday Tuesday | 1:30pm-3:15pm 9:45am-11:30am | In-Person/ Remote | ICPH E220R |
| MBGC 5075Q | Cell Death | Dr. Raymond Birge birgera@njms.rutgers.edu 973-972-4497 | Masters & PhD Students | 2 | N | 10/20-12/15 | Monday Thursday | 6:00pm-7:50pm | In-Person/ Remote | TBA |
| MSBS 5000Q | Master Thesis Reseach | Dr. Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899 | Masters students completing a 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 from Course Director | 2-3 | S/U | By Arrangement | | | | |
| MSBS 5130Q | Stem Cell Biology & Applications in Molecular Medicine | Dr. Lauren Sherman shermala@njms.rutgers.edu | Masters & PhD Students | 3 | N | 9/23-12/16 | Tuesday | 6:00pm-9:00pm | In-Person | MSB B619b/c |
| MSBS 520AQ | Advanced Stem Cells Seminar | Dr. Marina Gergues mgergues@gmail.com | Masters & PhD Students Enrollment Limit: 35 Students | 2 | N | 9/10-12/10 | Wednesday | 6:00pm-7:50pm | Remote | N/A |
| MSBS 5910Q | Seminar in Biomedical Sciences | Dr. Raymond Birge birgera@njms.rutgers.edu 973-972-4497 | Masters Students | 1 | N | 9/2-12/9 | Tuesday | 4:30pm-5:50pm | In-Person/Remote | B610 |

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|---------------|---|---|--|---------|------------|----------------|----------------------|---------------|----------------------|----------|
| MSBS 593AQ | Research in Biomedical Sciences | Dr. Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899 | Use this course# for the first rotation | 2 | N | By Arrangement | | | | |
| MSBS 7000Q | Master Thesis Continuation | Dr. Carol Lutz lutzcs@njms.rutgers.edu 973-972-0899 | Use this course# for thesis not yet completed | 1 to 9 | S/U | By Arrangement | | | | |
| NEUR 5200Q | Fundamentals of Neuroscience | Dr. Steven Levison levisosw@njms.rutgers.edu 973-972-5162 | Masters & PhD Students | 3 | N | 8/28-12/18 | Thursday | 5:00pm-7:50pm | In-Person/ Remote | MSB B552 |
| PATH 5100Q | Cellular Pathology | Dr. Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405 | Masters & PhD Students | 2 | N | 10/20-12/18 | Monday & Thursday | 4:00pm-5:50pm | In-Person/Webex | MSB B556 |
| PATH 511AQ | Immunology A | Dr. Patricia Fitzgerald-Bocarsly bocarsly@njms.rutgers.edu Dr. Christine Rohowsky-Kochan rohowskm@njms.rutgers.edu | Masters Students | 2 | N | 10/20-12/24 | Monday Wednesday | 2:30pm-3:50pm | In-Person/ 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 | PhD & Masters Students Enrollment Limit: 50 Students | 3 | N | 9/3-12/17 | Wednesday | 6:00pm-9:00pm | In-Person/Remote | TBA |
| PHPY N5021 | Fundamentals of Pharmacology | Dr. Lawrence Gaspers gasperld@njms.rutgers.edu 973-972-5379 | Masters & PhD Students Enrollment Limit: 230 Students | 3 | N | 9/8-12/15 | Monday | 6:00pm-8:50pm | In-Person/Remote | MSB B552 |
| PHPY N5225 | Principles of Toxicology I | Dr. Ramez Labib ramezlabib@yahoo.com Dr. Thomas Visalli tvis624@yahoo.com | Masters & PhD Students | 3 | N | 9/4-12/4 | Thursday | 6:00pm-7:00pm | Remote | N/A |

*Students have an option to attend in-person or remotely

During the online registration period, students may obtain email permission from the course director and forward to the Registrar office leebea@gsbs.rutgers.edu and will be manually registered for courses highlighted in yellow

Add/Drop Forms are required after the online registration period has ended