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 5000Q	Thesis Research	Faculty	Completion of course requirements.	5 PT 10 FT	S/U			Ву	/ Arrangeme	nt	
BIOC 5100Q	Molecular Oncology	Michael A. Lea lea@njms.rutgers.edu 973-972-5345	Open to Masters & PhD students.	2	N	Monday	1/12	5/11	6:00 PM	8:00 PM	MSB E-609
BIOC 5125Q	Viruses, Cells and Disease	Sergei Kotenko kotenkse@njms.rutgers.edu 973-972-3134 Michael Mathews mathews@njms.rutgers.edu 973-972-4411	Open to Masters & PhD students. Approval by Course Directors for Masters students.	2	N	Tuesday & Thursday	1/6	2/24	5:00 PM	7:00 PM	MSB E-609
BIOC 5240Q	Molecular Biology of the News	Neerja Kaushik-Basu kaushik@njms.rutgers.edu 973-972-8653 Virendra N Pandey vnp22@njms.rutgers.edu 973-972-0660	Open to Masters & PhD students.	1	N	Monday & Wednesday	1/5	2/24	5:00 PM	6:00 PM	MSB E-609
BMEG 5000Q	Thesis Research	Faculty	Completion of course requirements.	5 PT 10 FT	S/U			Ву	/ Arrangeme	nt	
BMEG 5930Q*	Biomedical Engineering Research	Faculty		1 to 10	S/U			Ву	/ Arrangeme	nt	
BMEG 593AQ, BQ, CQ*	Biomedical Engineering Research	Faculty		2	N	By Arrangement					
CBMM 5000Q	Thesis Research	Faculty	Completion of course requirements.	5 PT 10 FT	S/U	By Arrangement					
<u>CBMM</u> <u>5020Q</u>	Developmental Biology & Stem Cells	Diego Fraidenraich fraidedi@njms.rutgers.edu 973-972-5525	Open to Masters & PhD students.	2	N	Tuesday & Friday	2/24	4/14	10:00 AM	12:00 PM	MSB G-609

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Course #	Title	Course Director	Prerequisites	Credits	Grade Mode	Day(s)	Start Date	End Date	Start Time	End Time	Location
CBMM N594C	Regional Gross Anatomy: Back & Extremeties	Aleksey Tentler tentler.md@rutgers.edu 973-972-1687	Open to Masters & PhD students. Enrollment limit 20.	3	N	Thursday	2/12	5/21	3:00 PM	5:00 PM	TBD
CBNP 5000Q	CBNP Thesis Research	Faculty	Completion of course requirements.	5 PT 10 FT	S/U			Ву	Arrangeme	nt	
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	2/23	4/4	5:30 PM	7:30 PM	MSB H-506
<u>CBNP</u> 5033Q	Systems Neuroscience	Kevin Pang pangke@njms.rutgers.edu 973-676-1000 x-1277		2	N	Tuesday & Wednesday	4/20	6/12	3:00 PM	5:00 PM	TBD
<u>CBNP</u> 5036Q	Molecular Physiology of Cell Communication	Eldo Kuzhikandathil kuzhikev@njms.rutgers.edu 973-972-1157	Open to PhD Students only. Required of all CBNP 1st year students.	4	N	Monday & Wednesday	1/5	4/15	3:00 PM	5:00 PM	MSB H-609B
<u>CBNP</u> 5037Q	Regenerative Medicine	Elizabeth Moran moranel@njms.rutgers.edu 973-972-5854	Open to Masters & PhD students. Background in cell biology and development suggested.	2	N	Monday & Wednesday	4/20	6/10	1:00 PM	3:00 PM	Cancer Center F-1197
<u>CBNP</u> <u>5068Q</u>	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	2/2	5/18	6:00 PM	9:00 PM	MSB G-609
CBNP 5140Q	<u>Topics in</u> <u>Neuroimmunology</u>	Christine Rohowsky-Kochan rohowscm@njms.rutgers.edu 973-972-7394	Open to Masters & PhD students. Immunology A (PATH511A) or Molecular & Cellular Immunology (PATH 5210Q) or permission of course director.	2	N	Monday & Wednesday	4/20	6/12	5:00 PM	7:00 PM	MSB H-506

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CBNP 5155Q	Critical Readings in CBNP	Gopal Babu babugo@njms.rutgers.edu 973-972-5376 Robert Ledeen ledeenro@njms.rutgers.edu 973-972-5376	Open to PhD Students only.	1	S/U	Friday	1/16	4/10	2:00 PM	3:30 PM	MSB H-609B
CBNP	Exercise & Environmental	Jorge Serrador jorge.serrador@rutgers.edu 973-676-1000 x12805	Open to PhD students only. Foundations of Integrative	2	N	Tuesday	2/24	4/15	3:00 PM	5:00 PM	MSB
5170Q	Physiology	Michael Falvo michael.falvo@va.gov 973-676-1000 x12423	Physiology (CBNP 5165Q) or permission of course director.	2	IN IN	Wednesday	2/24	4/15	1:00 PM	3:00 PM	Н-609В
CBNP 52500	Introduction to Neurochemistry & Neuropharmacology	Eldo Kuzhikandathil kuzhikev@njms.rutgers.edu 973-972-1157 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	4/21	6/11	5:30 PM	7:30 PM	MSB H-506
<u>CBNP</u> 52550	Endocrinology of Growth. & Metabolism	Nicholas Illsley illsleni@njms.rutgers.edu 551-996-8122	Open to Masters & PhD students. Limit of 24 Students.	1	N	Wednesday	4/22	6/10	4:00 PM	6:00 PM	MSB B-617 B+C *Note: Course will be held in MSB B-619 on 04/22
<u>CBNP</u> <u>5260Q</u>	Molecular Basis of Synaptic Disorders	Joseph McArdle mcardle@njms.rutgers.edu 973-972-4428	Open to Masters & PhD students.	1	N	Thursday	2/5	4/23	4:00 PM	6:00 PM	MSB H-609B *Note: Course will be held in MSB B-605 on 03/19 & 04/16

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CBNP 5930Q*	Lab Rotations in CBNP	Christine Rohowsky-Kochan rohowscm@njms.rutgers.edu 973-972-7394	Use this course # for all subsequent rotations.	1 to 10	S/U			Ву	/ Arrangeme	nt	
CBNP 593AQ, BQ, CQ*	Lab Rotations in CBNP	Christine Rohowsky-Kochan rohowscm@njms.rutgers.edu 973-972-7394	Utilize for first 3 rotations	2	N			Ву	/ Arrangeme	nt	
DENT 5000Q	Thesis Research	Faculty	Completion of course requirements.	5 PT 10 FT	S/U	By Arrangement					
<u>DENT</u> 5025Q	Fundamentals of Dental Material Science	Anil Ardeshna ardeshap@sdm.rutgers.edu 973-972-1892	Open to Masters & PhD students. Enrollment limit 50.	2	N	Friday	1/9	4/17	9:00 AM	11:00 AM	MSB B-619 B+C
			Open to Masters & PhD students.			Monday (1/05-3/20)			10:00 AM	12:00 PM	
<u>DENT</u>	Dental Biochemistry	Suriender Kumar kumarsu@njms.rutgers.edu	This is a Dental School course. Limited intake of 15 students only. Special permission required from:	4	N	Wednesday (1/05-3/20)	1/5	6/19	11:00 AM	12:00 PM	Oral Health
<u>5085Q</u>	<u>Dental Biochemistry</u>	973-972-4750	Vincent K. Tsiagbe 973-972-2612	4	IN .	Wednesday (3/23-6/12)	1/3	0/19	10:00 AM	12:00 PM	Pavilion B-961
			tsiagbvk@sdm.rutgers.edu.			Friday (3/23-6/12)			11:00 AM	1:00 PM	
DENT 5220Q	Methods in Microscopic Imaging	Kabilan Velliyagounder velliyka@sdm.rutgers.edu 973-972-5051	Open to Masters & PhD students. Enrollment Limit 12.	2	N	Wednesday	1/7	4/22	1:00 PM	3:00 PM	Dental School B-857
						Monday (Wks 1 - 2)			9:00 AM	9:50 AM	0 111 111
<u>DENT</u>	Oral Immunalari	Vincent Tsiagbe	Open to Masters & PhD students.	3	N	Wednesday (Wks 3 - 10)	1/5	2/20	9:00 AM	9:50 AM	Oral Health Pavilion B-963
<u>53100</u>	Oral Immunology	tsiagbvk@sdm.rutgers.edu 973-972-2612	Limit of 75 students.	3	IN	Wednesday (Wks 1 - 10)	1/5	3/20	10:00 AM	10:50 AM	*Note: Course will be held in MSB B-556 on 01/09
						Friday (Wks 1 -10)			8:00 AM	8:50 AM	- WISB B-330 OII 01/03

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Course #	Title	Course Director	Prerequisites	Credits	Grade Mode	Day(s)	Start Date	End Date	Start Time	End Time	Location
DENT 5910Q	Oral Biology Research Seminar	Scott Kachlany kachlasc@sdm.rutgers.edu 973-972-3057	Open to Masters & PhD students.	1	Ν	Friday	1/23	4/10	1:00 PM	2:00 PM	MSB C-600
GSND 5001Q	Responsible Conduct of Research	Nancy Connell connell@njms.rutgers.edu 973-972-3759	Mandatory for all PhD Students.	1	Z	Tuesday & Friday	4/14	5/15	1:30 PM	3:00 PM	MSB B-619
GSND	Professional Skills II:	M. Zafri Humayun humayun@njms.rutgers.edu 973-972-6396	Open to PhD Students only.	2	S/U	Tuesday	1/6	2/27	3:00 PM	5:00 PM	MSB
<u>5006Q</u>	Grantsmanship Skills	Martha Nowycky nowyckmc@njms.rutgers.edu 973-972-4391	open to Pilo Students only.	2	3/0	Friday	1/6	2/27	1:00 PM	3:00 PM	B-554
GSND	QA/QI Research in	Ping-Hsin Chen chenpi@njms.rutgers.edu 973-972-7351	Open to Masters & PhD students. Maximum of 25 students and	3	N	Thursday	1/15	4/23	Lecture 12:00 PM	Lecture 2:00 PM	MSB B-609 B+C
<u>5008Q</u>	Clinical Settings	Steven Keller skeller@njms.rutgers.edu 973-972-5036	Immunizations according to UMDNJ policy.	3	IN	Tuesday or Thursday	1/15	4/23	Lab 6:00 PM	Lab 8:00 PM	*Student choose lab day at own convenience.
GSND 5300Q	Independent Study in Biomedical Sciences	BJ Wagner wagner@njms.rutgers.edu 973-972-5335		1 to 4	S/U			Ву	Arrangeme	nt	
GSND 5305Q	Interprofessional Roles In Clinical Care	Nicholas M. Ponzio ponzio@njms.rutgers.edu 973-972-5238 Sandra Kaplan Kaplansa@shrp.rutgers.edu 973-972-2459	Permission of the Instructor. Enrollment limit of 25. CANCELLED.	1	s/U	Monday	1/5	3/23	4:00 PM	6:00 PM	
<u>GSND</u> 53200	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).	2	N	Monday	1/5	5/4	7:00 PM	9:00 PM	Cancer Center G-1196

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GSND 5910Q	MD/PhD Seminar/Journal Club	Padmini Salgame salgampa@njms.rutgers.edu 973-972-8647	Restricted to students in MD/PhD program.	1 to 10	S/U			Ву	/ Arrangeme	nt	
MBGC 5000Q	MBGC Thesis Research	Faculty	Completion of course requirements.	5 PT 10 FT	S/U			Ву	/ Arrangeme	nt	
MBGC	Introduction to Genomics, Proteomics,	Hong Li	Open to Masters & PhD students. IBMS (GSND 5200Q) or Fundamentals	2	N	Tuesday	2/24	4/16	2:00 PM	4:00 PM	F-1196
5002Q	and Bioinformatics	liho2@njms.rutgers.edu 973-972-1865	A (GSND N500A) or permission of the course director.	2	IN	Thursday	2/24	4/10	2:00 PIVI	4:00 PIVI	G-1196
MBGC 5015Q	Cancer Biology: Extrinsic Factors in Cancer Progression	lan Whitehead whiteip@njms.rutgers.edu 973-972-5215	PhD Students only.	2	N	Tuesday & Friday	3/6	4/28	10:00 AM	12:00 PM	Cancer Center H-1196
MBGC 5020Q	Cancer Biology: Intrinsic Cell Signaling and Cancer Development	Ian Whitehead whiteip@njms.rutgers.edu 973-972-5215	PhD Students only.	2	N	Tuesday & Friday	1/13	3/3	10:00 AM	12:00 PM	Cancer Center H-1196
MBGC 5030Q	Protein Dynamics in Health & Disease	Carolyn Suzuki suzukick@njms.rutgers.edu 973-972-1555	Open to Masters & PhD students. IBMS (GSND 5200Q), or MGM (GSND 5201Q), or GMM (GSND 5205Q), or permission of course director.	2	N	Tuesday & Thursday	4/21	6/11	5:00 PM	7:00 PM	MSB E-609
MBGC 5055Q	Molecular Genetics of Model Organisms	David Kaback kaback@njms.rutgers.edu 973-972-4483 ext. 28967	IBMS (GSND 5200Q).	2	N	Monday, Wednesday, & Friday	1/7	2/20	9:30 AM	11:00 AM	MSB C-682
MBGC 5910Q	MBGC Seminar Series	Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405	Required course for MBGC students. Must register in the Fall AND Spring.	0.5	S/U	Thursday	1/8	6/12	12:00 Noon	1:00 PM	
MBGC 5930Q*	Lab Rotations in MBGC	Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405	Use this course # for all subsequent rotations.	1 to 10	S/U			Ву	/ Arrangeme	nt	
MBGC 593AQ, BQ, CQ*	Lab Rotations in MBGC	Muriel Lambert mlambert@njms.rutgers.edu 973-972-4405	Utilize for first 3 rotations.	2	N			Ву	/ Arrangeme	nt	

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MICR 5000Q	Microbiology Thesis Research	Faculty	Completion of course requirements.	5 PT 10 FT	S/U			Ву	Arrangeme	nt	
MICR 52310	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	5/28	6/29	5:30 PM	8:30 PM	TBD
MICR N5233	Microbes and Infectious <u>Disease</u>	Stephen Garrett garretst@njms.rutgers.edu 973-972-0323	Open to Masters & PhD students.	3	N	Tuesday	1/6	4/28	2:00 PM	5:00 PM	MSB B-610
MPHD 5000Q	MD/PhD Thesis Research	Padmini Salgame salgampa@njms.rutgers.edu 973-972-8647	Restricted to students in MD/PhD program.	5 PT 10 FT	S/U			Ву	Arrangeme	nt	
MPHD 5930Q	MD/PhD Laboratory Research	Padmini Salgame salgampa@njms.rutgers.edu 973-972-8647	Restricted to students in MD/PhD program.	1 to 10	S/U			Ву	Arrangeme	nt	
MSBS 5120Q	Pharmaceutical Internships	BJ Wagner wagner@njms.rutgers.edu 973-972-5335	Open to Masters & PhD students. Permission of the course director.	2 to 3	S/U			Ву	Arrangeme	nt	
MSBS 5125Q	Teacher Training Internship	BJ Wagner wagner@njms.rutgers.edu 973-972-5335	Open to Masters & PhD students. Permission of Dr. Wagner.	1 to 3	S/U			Ву	Arrangeme	nt	
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	1/26	3/20	6:00 PM	8:00 PM	MSB B-554
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	6/2	7/7	6:00 PM	8:00 PM	MSB B-610
NEUR 5000Q	Thesis Research	Faculty	Completion of course requirements.	5 PT 10 FT	S/U	By Arrangement					

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NEUR 5010Q	Medical Neuroscience	Amjad Ilyas ilyasaa@njms.rutgers.edu 973-972-3580	Open to Masters & PhD students. Online registration not permitted. Contact Dr. Garrett for approval.	4	N	Monday through Friday	4/6	5/26	9:00 AM	3:00 PM	MSB B-556
NEUR 5930Q	Research in Neuroscience	Richard Servatius servatrj@njms.rutgers.edu 973-676-1000 ext 3678	Open to PhD students only. Permission of course director.	1 to 10	S/U			Ву	Arrangeme	nt	
NEUR 593AQ, BQ, CQ*	Research in Neuroscience	Richard Servatius servatrj@njms.rutgers.edu 973-676-1000 ext 3678	Open to PhD students only. Permission of course director.	2	N			Ву	Arrangeme	nt	
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	1/8	4/16	5:30 PM	8:30 PM	Cancer Center G-1196
PATH 5000Q	Thesis Research	Faculty	Completion of course requirements.	5 PT 10 FT	S/U			Ву	Arrangeme	nt	
PHMS 5000Q	Interdisciplinary Ph.D. Thesis Research	Faculty	Completion of course requirements.	5 PT 10 FT	S/U			Ву	Arrangeme	nt	
PHPY 5000Q	Thesis Research	Pharm/Phys Faculty	Completion of course requirements.	5 PT 10 FT	S/U			Ву	Arrangeme	nt	
<u>PHPY</u> 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	1/12	4/27	2:00 PM	5:00 PM	MSB B-554
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	3/10	4/23	4:30 PM	6:30 PM	MSB H-506 *Note: Class on 04/21 & 04/23 will be held in MSB B-605

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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	4/28	6/9	4:00 PM	6:00 PM	MSB B-548
PHPY 5930Q*	Research in Pharmacology and Physiology	Martha Nowycky nowyckmc@njms.rutgers.edu 973-972-4391	Limited to PHPY PhDs.	1 to 10	S/U			Ву	Arrangeme	nt	
PHPY N526Q	Prinicples of Toxicology II	Ramez Labib ramezlabib@yahoo.com Thomas Visalli tvis624@yahoo.com	Open to Masters & PhD students.	3	N	Tuesday	2/10	5/12	6:00 PM	9:00 PM	MSB B-556
TIII 5000Q	13 Thesis Research	Faculty	Completion of course requirements.	5 PT 10 FT	S/U		•	Ву	Arrangeme	nt	
TIII 5021Q	Molecular Pathogenesis of Bacteria	Nikhat Parveen parveeni@njms.rutgers.edu 973-972-5218		2	N	Monday & Wednesday	2/25	4/15	9:15 AM	11:15 AM	ICPH E220R
Till 5022Q	Advanced Concepts in I3	George Yap yapgs@njms.rutgers.edu 973-972-5394 Padmini Salgame salgampa@njms.rutgers.edu 973-972-9490	Open to PhD students only. Classic & 21st Century Pathogens (TIII 5620Q) and Molecular & Cellular Immunology (PATH 5210Q).	4	Z	Monday & Wednesday	2/16	6/10	1:00 PM	3:00 PM	Cancer Center H-1196 *Note: Class in H-1197 on 02/23 and 3/23
TIII 5160Q	Critical Readings in the Chemical Biology of Pathogens	Joel Freundlich freundjs@rutgers.edu 973-972-7165	Open to PhD Students only.	0.5	N	Tuesday	4/21	6/9	9:30 AM	11:00 AM	MSB C-680
TIII 555DQ	Critical Readings in Parasitology	Purnima Bhanot bhanotpu@njms.rutgers.edu 973-972-3273	Open to PhD Students only. Minimum enrollment of 2 students.	0.5	N	Tuesday	2/24	4/17	10:00 AM	11:30 AM	ICPH E220R
TIII 5930Q*	Lab Rotations in I3	Dr. Amariliz Rivera riveraam@njms.rutgers.edu 973-972-2568	Use this course # for all subsequent rotations.	1 to 10	s/u			Ву	Arrangeme	nt	

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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 and signatures are required after online registration has ended.

Course #	Title	Course Director	Prerequisites	Credits	Grade Mode	Day(s)	Start Date		Start Time	End Time	Location
TIII 593AQ, BQ, CQ*	Lab Rotations in I3	Dr. Amariliz Rivera riveraam@njms.rutgers.edu 973-972-2568	Utilize for the first 3 rotations.	2	N			Ву	Arrangeme	nt	

* First three rotations -- register for A, B, C respectively -- all subsequent rotations register for 1 to 10 cr S/U

Last Update: 1/23/15 BS

		Required/Recommended Text
BIOC 5100Q	Molecular Oncology	R.A. Weinberg. The Biology of Cancer, Garland Science, New York, NY, 2014
CBNP 5037Q	Regenerative Medicine	David L. Stocum entitled "Regenerative Biology and Medicine" 2nd Edition which is published by Academic Press. ISBN: 978-0-12-384860-4.
CBNP 5170Q	Exercise & Environmental Physiology	ACSM' Advanced Exercise Physiology
CBNP 5250Q	Introduction to Neurochemistry & Neuropharmacology	Basic Neurochemistry, Eighth Edition: Principles of Molecular, Cellular, and Medical Neurobiology
DENT 5025Q	Fundamentals of Dental Materials Science	Introduction to Dental Materials 4 th Edition. Richard Van Noort
DENT 5085Q	Dental Biochemistry	Lippincott's Illustrated Reviews in Biochemistry, 6th North American Ed. ISBN-13:978-1451175622. See Syllabus for more
DENT 5310Q	Oral Immunology	Recommended: Janeway's Immunology, 8th edition, 2012. ISBN: 978-0-8153-4243-4, see syllabus for others
GSND 5320Q	Pharmacology and Drug Marketing	The Pharmacological Basis of Therapeutics (12th edition) available through the online library service
MBGC 5002Q	Introduction to Genomics, Proteomics & Bioinformatics	Recommended Textbooks: Discovering Genomics, Proteomics & Bioinformatics (2nd Edition. 2006) Campbell A. M. & Heyer L. J. (Benjamin Cummings).
MBGC 5015Q	Cancer Biology: Extrinsic Factors in Cancer Progression	The Biology of Cancer by Robert A. Weinberg
MBGC 5020Q	Cancer Biology: Intrinsic Cell Signaling and Cancer Development	The Biology of Cancer by Robert A. Weinberg
MSBS N5134	Hematopoietic Stem Cell Biology and Dysfunction	Recommended: Clinical Hematology, Edited by Neal S. Young, Stanton L. Gerson and Katherine A. High. Mosby Elsevier, ISBN 0-323- 01908-0

Graduate School of Biomedical Sciences

Consult (http://njms.rutgers.edu/gsbs/index.cfm) or respective Course Director(s) for up to date information.

Please note that it is the responsibility of the student to contact the respective course director(s) for the correct time, dates and room assignment information. Instructor e-mail addresses and phone numbers are provided for your convenience.

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Course #	Title	Course Director	Prerequisites	Credits	Grade Mode	Day(s)	Start Date	End Date	Start Time	End Time	Location
PHPY	5.	y: Regulation of Physiological	Neuroendoci	inology in	Physiolo:	gy and Medicine	by P. M	ichael Co	nn and Mar	c Freeman	
5085Q		Processes									