

FALL 2007 COURSE SCHEDULE rev. 7/26/2007

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES
 Consult (<http://www.gsbs.umdj.edu>) or Respective Departments/Instructors
 for up-to date information

Please note that it is the responsibility of the student to contact the respective instructor for the
 correct times, dates and room assignment information.

Instructor e-mail addresses and phone numbers are provided for your convenience

DIVISIONAL COURSES
Courses coded (n) = Select sequence, a, b, c,

Course #	Title	Instructor	Prerequisites	Credits Grade Mode	Days/Hours Location
Grade Modes: N = Normal; S/U = Satisfactory/Unsatisfactory					
GINF 5003	Structural Bioinformatics I	Kerrigan kerrigje@umdj.edu 732-235-4473	GINF 5001 or permission Enrollment maximum 18	3 N	Mondays Aug 27 – Dec 10 1:00pm-4:00pm MSB C632
GINF 5004	Bioinformatics Platforms & Application Dev.	Ming Ouyang ouyangmi@umdj.edu 732-235-8275	GINF 5001 or permission Enrollment maximum 18	3 N	Tuesdays Sep 4 – Dec 11 1:00pm-4:00pm MSB C-632
GINF 5030	Special Topics in Bioinformatics	Byrne byrne@umdj.edu 856-757-7788	2 courses in Bioinformatics or permission Enrollment maximum 18	1-3 N	TBA
GSND 5200	Molecular & Cellular Biology	Garrett garretst@umdj.edu 973-972-4483 X 20698	Limited to Ph.D. students	5 N	M, W, F 9:30am-11:30am
GSND 5201	Molecular & Genetic Medicine "MGM"	Lea lea@umdj.edu 973-972-5345	See Dr. Ingoglia for approval MS students only Enrollment maximum 30	7 N	TBA
GSND 5300	Independent Study in Biomedical Sciences	Ingoglia ingoglia@umdj.edu 973-972-4776		1-4 S/U	By arrangement
GSND 591 A-H	MD/PhD Seminar/Journal Club	R.D. Howells howells@umdj.edu 973-972-5652	Restricted to students in MD/PhD program	1 N	Fridays 8:00am-9:00am MSB- E609b
MSBS 5000	Thesis Research-Masters	Ingoglia ingoglia@umdj.edu 973-972-4776	Masters students completing thesis	5 S/U	By arrangement
MSBS 5120	Pharmaceutical Internship	Ingoglia ingoglia@umdj.edu 973-972-4776	Completion of 15 credits	2-3 S/U	By arrangement
MSBS 5130	Stem Cell Biology & Applications in Molecular Medicine	Rameshwar rameshwa@umdj.edu 973-972-4913	Background in Cell Biology	3 N	Mondays Aug 27 – Dec 10 6pm – 9 pm MSB- B610

MSBS 5140	Biological Terrorism & Weapons of Mass Destruction	McCluskey mccluske@umdnj.edu 973-972-6144 Megjugorac megiugni@umdnj.edu 973-972-1386	Enrollment maximum 30	3 N	Mondays Sep 10 – Dec 17 3:30pm-5:30pm MSBS C-600 MSB 554 on 9/24
MSBS 520A	Advanced Stem Cell Seminar	Rameshwar rameshwa@umdnj.edu 973-972-4913	MSBS 5130 or concurrent registration	2 N	Tuesdays Aug 28 – Dec 4 6pm – 7:30 pm MSB- B540
MSBS 7000	Master Thesis Continuation	Ingoglia ingoglia@umdnj.edu 973-972-4776	Prior registration for MSBS 5000, thesis not yet completed	0 S/U	By arrangement
MSBS 591a/b	Seminar in Biomedical Sciences	Ingoglia ingoglia@umdnj.edu 973-972-4776		1 N	Wednesdays 5 pm – 6 pm Sep 5 -Dec 5 MSB C-600
MSBS 593 a/b	Research in Biomedical Sciences	Ingoglia ingoglia@umdnj.edu 973-972-4776		2 S/U	By arrangement
PHMS 5000	Interdisciplinary Ph.D. Thesis Research	Gill Diamond gdiamond@umdnj.edu 973-972-3324	Completion of course requirements	5 (PT) 10 (FT) S/U	By arrangement
PHMS 591(n)	Seminar in Interdisciplinary Biomedical Sciences	O'Connor oconnojp@umdnj.edu 973-972-5011	Ph.D. students in BMS program or permission	1 N	To be arranged
PHMS 593 (n)	Research in Interdisciplinary Biomedical Sciences	Gill Diamond gdiamond@umdnj.edu 973-972-3324	Ph.D. students in BMS program or permission	1-10 S/U	By arrangement

EVENING COURSES

Course #	Title	Instructor	Prerequisites	Credits Grade Mode	Days/Hours Location
Grade Modes: N = Normal; S/U = Satisfactory/Unsatisfactory					
BIOC N5002	Introduction to Genomics, Proteomics and Bioinformatics	Tian btian@umdnj.edu 973-972-3615		2 N	Tuesdays 6:00pm – 7:30pm Sep 4 – Dec 18 MSB-E609b
CBMM N5001	Basic Histology	Defouw defouw@umdnj.edu 973-972-5406	Enrollment maximum 18	3 N	Thursdays 5 pm-8pm Sep. 6-Dec. 20 MSB G-609
GINF N5001	Fundamentals of Bioinformatics	Byrne byrne@umdnj.edu 856-757-7788	Enrollment maximum 18	3 N	Mondays Aug 27 – Dec 10 5:00pm – 6:00pm MSB- C632
GSND N500A	Fundamentals of Biomedical Science (Part 1)	Lea lea@umdnj.edu 973-972-5345	MS students only Enrollment maximum 40	3 N	Wednesdays Sep 5 – Dec 12 6:00pm – 9:00pm MBS- B556
MSBS 5130	Stem Cell Biology & Applications in Molecular Medicine	Rameshwar rameshwa@umdnj.edu 973-972-4913	Background in Cell Biology	3 N	Mondays Aug 27 – Dec 10 6 pm – 9 pm MSB- B610
MSBS 5140	Biological Terrorism & Weapons of Mass Destruction	McCluskey mccluske@umdnj.edu 973-972-6144 Megjugorac megjugni@umdnj.edu 973-972-1386	Enrollment maximum 30	3 N	Mondays Sep 10 – Dec 17 3:30pm-5:30 pm MSBS C-600 MSB 554 on 9/24
MSBS 520A	Advanced Stem Cell Seminar	Rameshwar rameshwa@umdnj.edu 973-972-4913	MSBS 5130 or concurrent registration	2 N	Tuesdays Aug 28 – Dec 4 6 pm – 7:30 pm MSB- B540
MSBS 591 a/b	Seminar in Biomedical Sciences	Ingoglia ingoglia@umdnj.edu 973-972-4776		1 N	Wednesdays Sep 5 – Dec 5 5:00-6:00pm MSB C-600
MSBS N5050	Biological Rhythms: It's About Time	Laemle laemlel@umdnj.edu 973-972-4419	GSND N500B or a Neuroscience course Enrollment maximum 25	1 N	Mondays Sep 10 – Nov 12 5:00pm-7:00pm MSB B 540 a/b
NEUR N5031	Neural Substrates of Aggressive Behavior	A. Siegel siegel@umdnj.edu 973-972-4471		3 N	Tuesdays 6:00pm-8:30pm MSB- H506
PATH N5209	The Business of Science: Drug Development-From Molecules to Medicine	Ponzio ponzio@umdnj.edu 973-972-5238	Introductory level courses in Biology and Chemistry Enrollment maximum 25	3 N	Wednesdays Sep – Dec 6:00pm-9:00pm MSB C-555
PHPY N5021	Principles of Pharmacology	Gladson gladsobh@umdnj.edu 2-2375	Enrollment maximum 30	3 N	Tuesdays Sep 11 – Dec 18 6:00pm-9:00pm MSBS B-556
PHPY N5060	Topics in Neuroscience	Ingoglia ingoglia@umdnj.edu		3 N	Thursdays Sep 4 – Dec 11 6:00pm-9:00pm MSB B540 a/b
PHPY N5225	Principles of Toxicology	Labib/Visalli Ramez.Labib@avon.com		3	Thursdays Sep 13 – Dec 13

		thomas.visalli@roche.com		N	6:00pm-9:00pm MSB B-554
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BIOCHEMISTRY & MOLECULAR BIOLOGY
Courses coded (n) = Select sequence, a, b, c,

Course #	Title	Instructor	Prerequisites	Credits Grade Mode	Days/Hours Location
Grade Modes: N = Normal; S/U = Satisfactory/Unsatisfactory					
BIOC 5000	Thesis Research	Faculty	Completion of course requirements	5 (PT) 10 (FT) S/U	By arrangement
BIOC 5070	Biochemistry of Nucleic Acids	Modak modak@umdnj.edu 973-972-5515 Lee leecg@umdnj.edu 973-972-0130	GSND 5200	4 N	To be arranged
BIOC 5170	Analytical Methods in Biochemistry	Faculty To Be Determined	Permission of instructor Limited enrollment	3 N	To be arranged
BIOC 5290	Critical Reading of the Literature	Mathews mathews@umdnj.edu 973-972-4411 C.G. Lee leecg@umdnj.edu 973-972-0130 T. Pe'ery peeryts@umdnj.edu 973-972-8763 C. Lutz lutzcs@umdnj.edu 973-972-0899 P. O'Connor oconnojp@umdnj.edu	Approval and confirmation by Dr. M.B. Mathews	3 N	To be arranged
BIOC 591 (n)	Seminar in Biochemistry	Suzuki & Staff suzukick@umdnj.edu 973-972-1555	Open for Biochemistry Graduate students only	1 N	To be arranged
BIOC 593 (n)	Biochemistry Research	Faculty	Graduate Biochemistry or equivalent	1-10 S/U	By arrangement
BIOC N5002	Introduction to Genomics, Proteomics and Bioinformatics	Tian btian@umdnj.edu 973-972-3615		2 N	Tuesdays Sep 4 – Dec 18 6:00pm – 7:30pm MSB-E609b

BIOMEDICAL ENGINEERING

Courses coded (n) = Select sequence, a, b, c,

Course #	Title	Instructor	Prerequisites	Credits Grade Mode	Days/Hours Location
Grade Modes: N = Normal; S/U = Satisfactory/Unsatisfactory					
BMEG 5000	Thesis Research	Faculty	Completion of course requirements	5 (PT) 10 (FT) N	By arrangement
BMEG 593 (n)	Biomedical Engineering Research	Faculty		3 S/U	By arrangement

CELL BIOLOGY & MOLECULAR MEDICINE

Courses coded (n) = Select sequence, a, b, c,

Course #	Title	Instructor	Prerequisites	Credits Grade Mode	Days/Hours Location
Grade Modes: N = Normal; S/U = Satisfactory/Unsatisfactory					
CBMM 5000	Thesis Research	Faculty	Completion of course requirements	5 (PT) 10 (FT) S/U	By arrangement
CBMM N5001	Basic Histology	Defouw dfouw@umdnj.edu 973-972-5406	Enrollment maximum 18	3 N	Thursdays 5 pm-8pm Sep. 6-Dec. 20
CBMM 5002	Practical Approaches for Studying Protein Function	M. Abdellatif abdellma@umdnj.edu 973-972-1254		2 N	Wednesdays Sep 5 – Dec 5 2:00pm-4:00pm MSB- G609
CBMM 5350	Molecular Medicine of the Heart	Depre deprech@umdnj.edu 973-972-3926		3 N	Tuesdays Aug 28 – Dec 18 MBS- G609
CBMM 591 (n)	Cell Biology Seminar	Abdellatif abdellma@umdnj.edu 973-972-1254 Leibovich leibovic@umdnj.edu 973-972-3223		1 N	Fridays Sep 7 – Dec 14 1:00pm-2:00pm MSB- G-609
CBMM 593 (n)	Cell Biology Research	Faculty	First Year Cell Biology Graduate Program	1-10 S/U	By arrangement

INTERDISCIPLINARY PROGRAM

Courses coded (n) = Select sequence, a, b, c,

PHMS 5000	Interdisciplinary Ph.D. Thesis Research	Diamond 973-972-3324 gdiamond@umdnj.edu	Completion of course requirements	5 (PT) 10 (FT) S/U	By arrangement
PHMS 591 (n)	Seminar in Biomedical Sciences	O'Connor 973-972-5011 oconnojp@umdnj.edu	Current Interdisciplinary Ph.D. students	1 N	To be arranged
PHMS 593 (n)	Research in Interdisciplinary in Biomedical Sciences	Diamond 973-972-3324 gdiamond@umdnj.edu		1-10 S/U	By arrangement

MICROBIOLOGY & MOLECULAR GENETICS
Courses coded (n) = Select sequence, a, b, c,

Course #	Title	Instructor	Prerequisites	Credits Grade Mode	Days/Hours Location
Grade Modes: N = Normal; S/U = Satisfactory/Unsatisfactory					
MICR 5000	Thesis Research	Faculty	Completion of course requirements	5 (PT) 10 (FT) S/U	By arrangement
MICR 5040	Advanced Microbial Genetics	Ripley ripley@umdnj.edu 973-972-4483 X24436	GSND 520b Mol. & Cell Bio – Core Course	6 N	November 2007– June 2008
MICR 5260	Developmental Biology of Microorganisms	Kaback kaback@umdnj.edu 973-972-4483 X28967	Permission of instructor	1 N	TBA
MICR 5460	Topics in Transcriptional Reg'n of gene Expression	Bellofatto bellofat@umdnj.edu 973-972-4483 X24406	Permission of instructor	1 N	TBA
MICR 5620	21 st Century Pathogens	Bellofatto bellofat@umdnj.edu 973-972-4483 x24406 Lukac lukacdm@umdnj.edu 973-972-4483 x20907		3 N	TBA
MICR 5631	Application of Teaching Skills in Medical Microbiology Laboratory	Brandriss brandris@umdnj.edu 973-972-6261 Barton barton@umdnj.edu 973-972-4483 x26204	Microbiology Graduate students only	3 N	TBA
MICR 591 (n)	Microbiology Seminar	Lukac lukacdm@umdnj.edu 973-972-4483 x20907	Matriculated Students Only	1 N	TBA
MICR 593 (n)	Research in Microbiology	Garrett garretst@umdnj.edu 973-972-4483 x20698	Matriculated Students only	1-10 S/U	By arrangement

**INTEGRATIVE NEUROSCIENCES
UMDNJ-BASED COURSES
Courses coded (n) = Select sequence, a, b, c,**

Course #	Title	Instructor	Prerequisites	Credits Grade Mode	Days/Hours Location
Grade Modes: N = Normal; S/U = Satisfactory/Unsatisfactory					
NEUR 5000	Thesis Research	Faculty	Completion of course requirements	5 (PT) 10 (FT) S/U	By arrangement
NEUR 5110	Foundations of Neuroscience I	Creese creese@axon.rutgers.edu 973-353-1080 x 3301 Townes-Anderson andersel@umdnj.edu 973-972-7392		4 N	Tuesdays & Thursdays 10:00am-12:50pm
NEUR 591 (n)	Seminar in Neuroscience Seminar: every 1st W Presem: every 1st T	Ledeen ledeenro@umdnj.edu	Per permission of instructor	1 N	Wednesdays: 9:15am-11:30am Tuesdays: 1:30pm-2:30pm MSB- B610
NEUR 593 (n)	Research in Neuroscience	Levison steve.levison@umdnj.edu 973-676-1000 x1155	Per permission of instructor	1-10 S	By arrangement
NEUR 5940	Methods in Neuroscience	Ilyas ilyasaa@umdnj.edu		2 N	Wednesdays 2:00pm-4:00pm MSB- H506
NEUR 5950	Clinical Neuroscience	Pachner pachner@umdnj.edu 973-972-7407	Basic Neuroscience	2 N	W 8:00-9:30am Th 8:00-9:00am
NEUR N5031	Neural Substrates of Aggressive Behavior	Siegel siegel@umdnj.edu 973-972-4471		3 N	Tuesdays 6:00pm-8:30pm MSB- H506

INTEGRATIVE NEUROSCIENCE PROGRAM

TENTATIVE SCHEDULE • FALL 2007

UPDATE 07/26/07

/msd

Course#		Course Name	Day/Time	Room#	Instructor	Credits
Math 635	NJIT course	Computational Neuroscience	T TH 11:30AM-1:00PM	TBA	Golowasch	3
26:546:509 27903	NEUR R509	Statistics in Neuroscience I	TH 1:00PM-4:00PM	Aidekman 103B	Hirsch	3
26:546:511 25357	NEUR 593 A-D	Research in Neuroscience I	By Arrangement	Various Labs	INS Faculty	3
26:546:565 28054	NEUR 5110 UMDNJ	Foundations of Neuroscience I	T TH 10:00AM-12:50PM	Aidekman 103B	Creese	4
26:546:627 24708	NEUR R627	Colloquia in Neuroscience I Colloquium: every 3rd W Precoll: every 3rd T	W 11:00PM-1:30PM T 1:00PM-2:00PM	Aidekman 103A	R. Siegel	1
26:830:595 53435	Psych	Research Methods in Cognitive & Behavioral Sciences	TBA	Smith 371	Hanson	
49:546:503 28004	NEUR N5031	Neural Substrates of Aggressive Behavior	T 6:00PM - 8:30PM	TBA	A. Siegel	3
49:546:521 30192	GSND 5201	Molecular & Cellular Biology (Core)	M W F 9:30AM-11:30AM (starts August 22)	TBA	Wagner	5
49:546:591 30191	NEUR 591 A- D	Seminars in Neuroscience Seminar: every 1st W Presem: every 1st T	W 9:15AM-11:30AM T 1:30PM-2:30PM (starts Sept 1 st)	MSB B610	Woods	1
49:546:595 30963	NEUR 5950	Clinical Neuroscience	W 8:00AM – 9:30AM Th 8:00AM – 9:00AM	TBA	Pachner	2

Please note: All INS students are required to take a minimum of 10 credits per semester.

UMDNJ Students not part of the Integrative Neuroscience Program are required to complete a CHEN form in order to register for the above Rutgers courses

ORAL BIOLOGY

Course #	Title	Instructor	Prerequisites	Credits Grade Mode	Days/Hours Location
Grade Modes: N = Normal; S/U = Satisfactory/Unsatisfactory					
DENT 5000	Thesis Research	Faculty	Completion of course requirements	5 S/U	
DENT 5010	Fundamentals of Biomedical Science Applied to Dentistry	Fine finedh@umdnj.edu 973-972-3728		4 N	
DENT 5030	Advanced Biomedical Science for Dentistry	Fine finedh@umdnj.edu 973-972-3728		4 N	
DENT 5065	Dental Physiology	Associate Dean approval required Ingoglia ingoglia@umdnj.edu 973-972-4776	Enrollment maximum 10	5 N	Course Intro Aug. 21 (9AM) Aug. 27 – Dec. 14
DENT 5120	Sensory Physiology of Masticatory System	Weiner weiner@umdnj.edu 973-972-4246	General Anatomy Physiology	1 N	
DENT 5150	Metallic Systems in Dental Biomaterials Sciences	Vaidyanathan jvaidyan@umdnj.edu 973-972-6250		2 N	
DENT 5160	Polymeric Systems in Biomaterials Sciences	Vaidyanathan jvaidyan@umdnj.edu 973-972-6250		2 N	
DENT 5170	Introduction to Scanning Electron Microscopy	Vaidyanathan jvaidyan@umdnj.edu 973-972-6250		2 N	
DENT 591 (n)	Research Seminars	Fine finedh@umdnj.edu 973-972-3728		1 N	

MOLECULAR PATHOLOGY & IMMUNOLOGY

Courses coded (n) = Select sequence, a, b, c,

Course #	Title	Instructor	Prerequisites	Credits Grade Mode	Days/Hours Location
Grade Modes: N = Normal; S/U = Satisfactory/Unsatisfactory					
PATH 5000	Thesis Research	Faculty	Completion of course requirements	5 (PT) 10 (FT) S/U	By arrangement
PATH 5010	General Pathology	Studzinski studzins@umdnj.edu 973-972-5869 K. Das daska@umdnj.edu 973-972-5714	Permission of the instructor	2 N	Mon, Wed, Fri Sep – Oct
PATH 5100	Cellular Pathology	M. Lambert mlambert@umdnj.edu 973-972-4405		3 N	Mondays Sep – Dec 4:00pm-6:30pm
PATH 5200	Developing Skills in Scientific Communication	Raveche raveches@umdnj.edu 973-972-5240	Completion of Core Course	2 N	Mondays Sep 24 – Dec 9:00am-11:00am
PATH 591 (n)	Pathology Seminar	Bocarsly bocarsly@umdnj.edu 973-972-5233		1 N	Thursdays Sep – May 12:00pm-1:00pm
PATH 592 (n)	Pathology Journal Club	Lambert mlambert@umdnj.edu 973-972-4405	Matriculated Students only	1 N	Fridays Sep – May 1:00pm–2:00pm
PATH 593 (n)	Research in Experimental Pathology	Lambert mlambert@umdnj.edu 973-972-4405		1-10 S/U	By arrangement
PATH N5209	The Business of Science: Drug Development- Molecules to Medicines	Ponzio ponzio@umdnj.edu 973-972-5238	Introductory level courses in Biology and Chemistry Enrollment maximum 25	3 N	Wednesdays Sep – Dec 6:00pm–9:00pm MSB C-555

PHARMACOLOGY & PHYSIOLOGY
Courses coded (n) = Select sequence, a, b, c,

Course #	Title	Instructor	Prerequisites	Credits Grade Mode	Days/Hours Location
Grade Modes: N = Normal; S/U = Satisfactory/Unsatisfactory					
PHPY 5000	Thesis Research	Faculty	Completion of course requirements	5 (PT) 10 (FT) S/U	By arrangement
PHPY 5020	Principles of Pharmacology	Sultatos 973-972-7950 sultatle@umdnj.edu		3 N	Wednesdays & Fridays Sept 12 – Dec 12 1:00pm-3:00pm
PHPY 520B	Physiology Principles II	COURSE HAS BEEN CANCELLED			
PHPY 593 (n)	Research in Pharmacology and Physiology	Nowycky nowyckmc@umdnj.edu 973-972-4391	Matriculated Students Only	1-10 S/U	By arrangement
PHPY N5021	Principles of Pharmacology	Gladson gladsobh@umdnj.edu 2-2375	Enrollment maximum 30	3 N	Tuesdays Sep 11 – Dec 11 6:00pm-9:00pm MSB- B556
PHPY N5060	Topics in Neuroscience	Ingoglia ingoglia@umdnj.edu		3 N	Thursdays Sep 4 – Dec 11 6:00pm-9:00pm MSB B-540 a/b
PHPY N5225	Principles of Toxicology	Labib/Visalli Ramez.Labib@avon.com thomas.visalli@roche.com		3 N	Thursdays Sep 13 – Dec 13 6:00pm-9:00pm
DENT 5065	Dental Physiology	Associate Dean approval required Ingoglia ingoglia@umdnj.edu 973-972-4776	Enrollment maximum 10	5 N	Course Intro Aug. 21 (9AM) Aug. 27 – Dec. 14