

Fall 2011 Course List

(note: full listing of courses can be found online at the Course Directory)

Fall Course	Cross list	Title	Credits	Instructor	Time	Day	Meeting Dates	Notes
To register for a BCB course please contact Sausythy Hermreck: 966-5881; sausythy@med.unc.edu								
BCB 710		Bioinformatics Colloquium	1		4:30PM-5:30PM (Bondurant 2035)	M		Required for first 4 semesters for BCB program
BCB 716		Bioinfo and Sequence Analysis	1	Wang/Vision	11:00AM-12:15PM	TR	Nov 1-Dec 6	
BCB 720		Introduction to Statistical Modeling	2	Valdar	9:00AM-10:15AM Location TBD	MW	Aug 24-Oct 31	prerequisite: permission of instructor
To register for a BIOC course please contact Brenda Brock: 966-4683; brenda_brock@unc.edu								
BIOC 601		Enzyme Properties, Mechanisms and Regulation	3	Trout, Wolfenden	10:00AM-10:50AM	MWF		
BIOC 631	BIOL 631/GNET 631/MCRO 631/PHCO 631	Advanced Molecular Biology I	3	Sancar	9:00AM-9:50AM	MWF		
BIOC 643	CBIO 643/MCRO 643/PHCO 643	Cell Structure, Function and Growth Control	3	Cheney	2:00AM-2:50PM	MWF		prerequisite, undergraduate cell biology or biochemistry or permission of instructor
BIOC 649		Mathematics and Macromolecules	1.5	Berkowitz	TBA	TBA		
BIOC 650		Macromolecular Principles	1.5	Lentz	TBA	TBA		for Biophysics Track; prerequisites, CHEM 430 and two semesters of physical chemistry or permission of the instructor
BIOC 651		Macromolecular Equilibria	1.5	Lentz, Papoian	TBA	TBA		for Biophysics Track; prerequisites, CHEM 430 and two semesters of physical chemistry or permission of the instructor

Fall 2011 Course List

(note: full listing of courses can be found online at the Course Directory)

Fall Course	Cross list	Title	Credits	Instructor	Time	Day	Meeting Dates	Notes
BIOC 652		Macromolecular Equilibria	1.5	Lentz, Dokholyan	11:00AM-11:50AM	MWF		for Biophysics Track; prerequisites, CHEM 430 and two semesters of physical chemistry or permission of the instructor
BIOC 701		Critical Analysis in Biochemistry	2	Fried	12:00PM-1:30PM	M		instructor permission required
BIOC 702		Teaching in Biochemistry	2	Toews	TBA	TBA		instructor permission required; new for Fall 2010
BIOC 706		Biochemistry of Human Disease	3	Parise	TBA	TBA		prerequisite, undergraduate biochemistry; 1st year BBSP, or graduate student in Biochemistry and Biophysics, or have permission of course director.
To register for a BIOL course please contact Kenyetta Farrington: 962-3391; kfarrington@bio.unc.edu								
BIOL 514		Evolution and Development	3	Goldstein, Pfennig	11:00PM-12:15PM (Wilson 202)	TR		
BIOL 527		Special Topics in Quantitative Biology	3	Laederach, A	3:30-4:45PM (Wilson 218)	TTH		
BIOL 527L		Special Topics in Quantitative Biology	1	Laederach, A	5:00PM-5:50PM (Wilson 218)	T		
BIOL 535		Molecular Biology Techniques	4	Stafford	1:00PM-4:50PM (Wilson 130)	TR		
BIOL 621	GNET 621	Genetic Analysis I	3	Sekelsky, Copenhaver, Ahmed	3:00PM-3:50PM F; 11:AM-12:15PM TR (Wilson 128)	F; TR		
BIOL 624		Developmental Genetics	3	Bautch	2:00PM-3:15PM (Wilson 218)	TR		

Fall 2011 Course List

(note: full listing of courses can be found online at the Course Directory)

Fall Course	Cross list	Title	Credits	Instructor	Time	Day	Meeting Dates	Notes
BIOL 631	BIOC 631/MCRO 631/PHCO 631	Advanced Molecular Biology I	3	Sancar, Ramsden, Griffith	9:00AM-9:50AM (Howell 203)	MWF		
BIOL 639		Plant Cell Biology	3	Reed	12:00PM-12:50PM	W		
BIOL 643		Molecular Cytoskeleton	3	Slep	TBA	TBA		
To register for a C BIO course please contact Janice Warrford: 962-9873; Janice_Warfford@med.unc.edu								
CBIO 643	BIOC 643/MCRO 643/PHCO 643	Cell Structure, Function and Growth Control	3	Cheney	2:00PM-2:50PM (124 Taylor Hall)	MWF		prerequisite, undergraduate cell biology or biochemistry or permission of instructor
CBIO 891A		Contemporary Problems	3	Bankaitis	TBA	TBA		instructor permission required
CBIO 893		Advanced Cell Biology I	4	Hammond	3:00PM-5:30PM (MBRB 6201)	TR		students not currently in Cell & Developmental Biology Department should contact the course director prior to registering
To register for a CHEM course please contact Donnyell Batts: 843-7827; dlbatts@unc.edu								
CHEM 430		Introduction to Biological Chemistry	3	Hogan	08:00AM-09:15AM (Chapman 201)	TR		for students with no prior coursework in Biochemistry
CHEM 431		Macromolecular Structure and Metabolism	3	Erie, Pielak	11:00AM-12:15PM (Chapman 211)	TR		For students who would like to strengthen their basic knowledge of Biochemistry
CHEM 732		Advances in Macromolecular Structure and Function	3	Pielak	8:00AM-9:15PM (Venable G307)	TR		strongly recommended for BBSP students interested in Biochemistry & Chemical Biology
To register for a GNET course please contact Sausyty Hermreck: 966-5881; sausytyh@med.unc.edu								
GNET 621	BIOL 621	Genetic Analysis I	3	Sekelsky	2:00PM-2:50PM F; 11:AM-12:15PM TR	F; TR		

Fall 2011 Course List

(note: full listing of courses can be found online at the Course Directory)

Fall Course	Cross list	Title	Credits	Instructor	Time	Day	Meeting Dates	Notes
GNET 631	BIOC 631/BIOL 631/MCRO 631/PHCO 631	Advanced Molecular Biology I	3	Sancar	09:00AM-09:50AM	MWF		
To register for a MCRO course please contact Dixie Flannery: 966-9005; dflann@med.unc.edu								
MCRO 614		Immunobiology	3	Collins, Klapper, Liu	11:00AM-11:50AM (CN 09 tentative)	MWF		
MCRO 615		Immunobiology Recitation	1	Collins	3:00PM-4:00PM	F		for MCRO majors or those interested in becoming a MCRO major
MCRO 630		Virology	3	Pickles, Bachenheimer	10:00AM-10:50AM (MJ 802)	MWF		instructor permission
MCRO 635		Microbial Pathogenesis I	3	Cotter	10:45AM-12:00PM (MJ 802)	TR		instructor permission
MCRO 711		Seminar/Tutorial in Animal Virology	var	Abel	2:00PM-4:00PM	T		prerequisite, a basic virology course and/or a background in virology.
To register for a MEDC course please contact Amber Allen: 843-9759; amber_allen@unc.edu								
MEDC 805		Molecular Modeling	3	Tropsha	TBA	TBA		prerequisites, MATH 231-232, CHEM 481, instructor permission required for 1st year students
MEDC 807		Foundations of Chemical Biology: Organic and Medicinal Chemistry	3	Lawrence	TBA	TBA		prerequisite, CHEM 262 or equivalent
MEDC 833		Molecular Target-Based Drug Delivery	3	Jarstfer	11:00AM-11:50PM (Beard 102)	MWF		prerequisites, CHEM 62, PHYS 93, PHYS 140, or equivalent, instructor permission required for 1st year students
MEDC 842		Therapeutic Proteins	3	Bastow	9:00AM-10:15AM (Beard 105)	TR		prerequisites, PHCY 421, PHCY 422, instructor permission required for 1st year students

Fall 2011 Course List

(note: full listing of courses can be found online at the Course Directory)

Fall Course	Cross list	Title	Credits	Instructor	Time	Day	Meeting Dates	Notes
To register for a MOPH course please contact Amber Allen: 843-9759; amber_allen@unc.edu								
MOPH 862		Advanced Pharmaceutics	3	Cho	10:00AM-11:15AM (Beard 105)	MW		
MOPH 738		Nanomedicine	3	Mumper, Juliano	4:00PM-5:15PM (Beard 102)	TR		
PHCY 801		Ethical Dilemmas in Research	1	Dressler	1:00PM-2:00PM	T		
MOPH 899		Seminar in Molecular Pharmaceutics	1	MOPH division researches and visiting scientists	4:00PM-5:00PM (Beard 116)	W		
To register for a NBIO course please contact Denise Kenney: 966-1260; denise_kenney@med.unc.edu								
NBIO 722A	PHYI 722A/PHCO 722A	Introduction to Neurobiology	2	Manis, Crews, faculty	10:00AM-12:00PM	MWF	10 sessions	
NBIO 722B	PHYI 722B/PHCO 722B	Receptors	2	Manis, Hodge, faculty	10:00AM-12:00PM	MWF	11 sessions	
NBIO 722C	PHYI 722C/PHCO 722C	Electrical Signaling	2	Manis, Sealock, faculty	10:00AM-12:00PM	MWF	17 sessions	
NBIO 729		Neural Information Processing	3	Manis	TBA	TBA		prerequisites, at least 1 year of calculus, familiarity with MATLAB or Python, or permission of instructor
NBIO 800		Gene-Brain Neurodevelop Dis	2	Philpot	TBA			
NBIO 801		Clinical Syndromes/ Disorders	2	Philpot	TBA			
NBIO 850	PHYI 705	Professional Development	1	Stuart	1:00PM-2:30PM	F		
To register for a OBIO course please contact Cindy Blake: 843-8072; cindy_blake@dentistry.unc.edu; or Tami Rice: 966-4451; Tami_rice@dentistry.unc.edu								
OBIO 710, 712		Discussions in Oral Biology (Seminar)	1	Flood, program faculty	1:00PM-2:00PM	W		

Fall 2011 Course List

(note: full listing of courses can be found online at the Course Directory)

Fall Course	Cross list	Title	Credits	Instructor	Time	Day	Meeting Dates	Notes
OBIO 730, 731		Advanced Oral Biology	3	Arnold, Yamauchi, program faculty	8:00AM-10:00AM	M		
OBIO 770, 772		Seminars in Oral Biology	1	Flood, Oral Biology faculty	1:00PM-2:00PM	M		
To register for a PATH course please contact Dorothy Poteat: 966-4676; dorothy_poteat@med.unc.edu								
PATH 426	BIOL 426	Biology Blood Diseases	3	Church	10:00AM-10:50AM (Bingham 0103)	MWF	8/24 - 12/7/2011	BIOL 205 or permission of instructor
PATH 713		Mechanisms of Disease	3	Wolberg, Homeister	11:00AM-11:50AM	MWF	8/24 - 12/7/2011	cell biology, histology or permission of instructor
PATH 714		Molecular and Cellular Pathophysiological Basis of Disease Laboratory	2	Godfrey	1:00PM-3:30PM	W	8/24 - 12/7/2011	this course can be taken concurrently with Pathology 713
PATH 801		Scientific Critical Thinking	3	Vaziri	02:00PM-05:00PM	T	8/23 - 12/6/2011	instructor permission required for 1st year students
PATH 890		Special Topics in Pathology	1 to 3	Kaufmann	10:30AM-11:45AM	TR	8/23 - 12/6/2011	graduate students
To register for a PHCO course please contact Kathy Justice: 966-1153; kathy_c_justice@med.unc.edu								
PHCO 643	BIOC 643/CBIO 643/MCRO 643	Cell Structure, Function and Growth Control	3	Cheney	9:00AM-9:50AM	MWF		prerequisite, undergraduate cell biology or biochemistry or permission of instructor
PHCO 701		Introduction to Molecular Pharmacology	2	Wang	9:00AM-9:50AM	MW		instructor permission required
PHCO 722A	NBIO 722A/PHYI 722A	Introduction to Neurobiology	2	Manis, Crews, faculty	10:00AM-12:00PM	MWF	10 sessions	
PHCO 722B	NBIO 722A/PHYI 722A	Receptors	2	Manis, Hodge, faculty	10:00AM-12:00PM	MWF	11 sessions	

Fall 2011 Course List

(note: full listing of courses can be found online at the Course Directory)

Fall Course	Cross list	Title	Credits	Instructor	Time	Day	Meeting Dates	Notes
PHCO 722C	NBIO 722A/PHYI 722A	Electrical Signaling	2	Manis, Sealock, faculty	10:00AM-12:00PM	MWF	17 sessions	
To register for a PHYI course please contact Adriana Tavernise: 966-9396; adrianat@med.unc.edu								
PHYI 643	BIOC 643/ CBIO 643/ MCRO 643 /PHCO 643	Cell Structure, Function and Growth Control	3	Cheney	2:00-2:50	MWF		prerequisite, undergraduate cell biology or biochemistry or permission of instructor
PHYI 702		Experimental Physiology of Human Health & Disease	3	Goy	9:00AM-10:00AM	MWF		
PHYI 722A	NBIO 722A/PHCO 722A	Introduction to Neurobiology	2	Manis, Crews, faculty	10:00AM-12:00PM	MWF	10 sessions	
PHYI 722B	NBIO 722B/PHCO 722B	Receptors	2	Manis, Hodge, faculty	10:00AM-12:00PM	MWF	11 sessions	
PHYI 722C	NBIO 722C/PHCO 722C	Electrical Signaling	2	Manis, Sealock, faculty	10:00AM-12:00PM	MWF	17 sessions	
To register for a TOXC course please contact Julie Cannefax: 962-8400; jcanefax@@med.unc.edu								
TOXC 442	BIOC 442	Biochem Toxicology	3	Rusyn	3:30PM-4:45PM (HC 0003)	TR		
TOXC 721		Toxicology Seminar II	1	Padilla, Cordeiro-Stone	3:45PM-4:45PM	W		
TOXC 722		Toxicology Seminar III	1	Rusyn	4:00PM-5:00PM	M		