CORE remaining	. (11)		ED GRADUATION I	DATE
Language 1, 2, 3 Biological Science US FA/PHY/REL 1 Physical Science US FA/PHY/REL 2 Literature Er Social Science 1 History Co		irement Exement 12 ement 13 ement 39 emester hours of upper of		_
	Required Courses (3-			
	A minimum grade of "C" (2.0	0) is required.		
 □ BIOL 1108 (3) and BIOL 1108L (1) or BIOL 2108H (3) and BIOL BCMB 3100 - (4 hrs) - Intro Biochemistry and Molecular Biol □ GENE 3200 - (4 hrs) - Genetics □ CBIO 3400 - (4 hrs) - Cell Biology or CBIO 3600 - (4 hrs) - D □ ECOL 3500/L (4 hrs) - Ecology or ECOL 3505H/L (4 hrs) - Ecology (4 hrs) or PBIO 3650 (4 hrs) Plant Ecology 	ogy or BCMB 4020 - (3 hrs) evelopmental Biology or PB	FIO 3600 – (4 hrs) - Plant	t Cell& Developmental	
Laboratory A minimum grade of "C" (2.0) is required.	Organismal Biology	A minimum grade of "C" (2	.0) is required.	
Laboratory	Organismal	_		
Choose one course from the following: (3-5 hours) BCMB 4030/L – (4 hrs) – Lab Techniques in BCMB BIOL 3110L – (4 hrs) – Basic Skills in the Laboratory BIOL 3710L – (3 hrs) – Animal Behavior Laboratory BIOL 3720L – (3 hrs) – Field Animal Behavior BIOL 4960 or BIOL 4960H – (4 hrs) – Undergrad Research BIOL(CBIO) 5050/L – (3 hrs) – Electron Microscopy Lab BTEC(BCMB)PBIO 4000L (4 hrs) Methods Biotechnology CBIO(BIOL) 3410L–(4 hrs)-Lab in Cellular & Devel Biol ECOL(BIOL) 3510 – (3-4 hrs) – Ecology Laboratory ECOL 4070-4070L (4 hrs) Invertebrate Zoology ECOL(MARS) 4225/L (4 hrs) - Methods in Marine Ecology ECOL(MARS) 4225/L (4 hrs) – Fexperimental Genetics GENE(BIOL) - 3210L – (3 hrs) – Experimental Genetics GENE(BIOL) 4210L – (4 hrs) – Molecular Genetics Lab GENE 4220L – (3 hrs) – Bioinformatics and Modeling Lab GENE 4230L – (3 hrs) – Evolutionary Biology Lab MARS 4500 – (3-5 hrs) – Field Study Oceanography & Marine Methods MIBO 3510L – (3 hrs) – IntroMicrobiology Laboratory MIBO 3510H – (3 hrs) – Intro Microbiology Lab Honors MIBO 4600/L – (4 hrs) – Experimental Microbiology Laboratory MIBO 4710L- (3 hrs) – Medical Mycology Laboratory PBIO(BIOL) 3660L – (4 hrs) – Plant Biology Intensive Lab	Choose one course from BIOL(FANR) 3460 or 346 Pacific BIOL(WILD)3700 – (3 hr CBIO 3000/L – (4 hrs) – C CBIO 3010/L – (4 hrs) – C CBIO (PBIO) 4600/L – (4 ECOL 3220 – (3 hrs) – Bio Mammals ECOL 4050/L – (4 hrs) – I ECOL 4070/L – (4 hrs) – I ECOL (MARS4330/L (4 hr ENTO 3140/L – (4 hrs) – I ENTO 3645 – (3 hrs) – Mo ENTO 3650/L – (4 hrs) – I ENTO 4000/L – (4 hrs) – I ENTO 4000/L – (4 hrs) – I ENTO 4450 – (3 hrs) – Ins MARS 3450 – (3 hrs) – Ins MARS 3450 – (3 hrs) – Int MIBO 3500 – (3 hrs) – Int MIBO 3510L – (3 hrs) – Ir PATH(PBIO) 4200/L – (3 PBIO 3270 – (3 hrs) – Flov PBIO 4650/L – (4 hrs) – P PSYC 5750 – (3 hrs) – Pri	sol - Natural History Sols) - Animal Behavior Comparative Vertebrate Across Anatomy hrs) - Biology of Protist ology & Conservation Machthyology Invertebrate Zoology rs) Tropical Marine Invelous Insect Natural History edical Entomology Medical Entomology Medical Entomology General Entomology sect Behavior farine Biology troductory Microbiology troductory Microbiology ant-Microbe Interactions hrs) - Introductory Mycowers Plant Taxonomy	Anatomy Sts Marine WILD(EC) Vertebrate WILD(EC) Herpetolo WILD(Bli Mammalo WILD 400 Pertebrates	OL) 4050/L – (4 hrs) –
	` ′			
Biology Major Electives (9 hours minimum) — A minimum grade of "C" (2.0) is required. For a total of nine hours, choose three or more courses from the list below. At least two of the courses must be 3 or more credit hours and from two different departments. PLEASE NOTE: Only ONE semester of research can be used in the Biology major, all other research will count as a general elective. Major Elective (3+ hours) Major Elective (3+ hours) Major Elective (s) (remaining hours)				
ANTH(ECOL) 4210 - (4 hrs) - Zoo Archaeology ANTH(BIOL)(ECOL)(ENTO)(PBIO) 4260/L - (4 hrs) - Natural Hist Management ANTH 4300 (4 hrs) - Ethnobotany	ory Collections Museum of ANTH(BIOL)(ECOL)(EETH)(I of Natural History Internship (ECOL) 4290 – (3 hrs) – 4790 – (3 hrs) - Human A	Environmental Archae	L)(PATH)(PBIO) 4261 – (3 hrs) - eology
BCMB 3100 – (4 hrs) - Intro Biochemistry and Molecular Biolog BCMB(GENE) 3433 – (4 hrs) - Biology for Medicine BCMB 3600 – (3 hrs) - Genomics and Bioinformatics BCMB 3600H – (3 hrs) - Genomics and Bioinformatics (Honors) BCMB 4010 – (4 hrs) - Biochemistry and Molecular Biology I BCMB 4020 – (3 hrs) - Biochemistry and Molecular Biology II	BCMB BCMB BCMB BCMB BCMB	4030/L - (4 hrs) - Lab T (BINF) 4105/L - (2 hrs) (CHEM) 4110 - (3 hrs) - 4120 - (4 hrs) - Human 4130 - (4 hrs) - Mechan 4130H - (4 hrs) - Mecha (ENTO)(BTEC) 4200 - (Cancer Bioinformati Physical Biochemistry Biochemistry and Dise sisms of Human Diseas anisms of Human Diseas	y ease se ase (Honors)
BIOL 3110L – (4 hrs) - Basic Skills in the Laboratory BIOL(FANR) 3460 or 3460H - Natural History of the South Pacif BIOL(WILD) 3700 – (3 hrs) - Animal Behavior BIOL 3710L – (3 hrs) - Animal Behavior Lab	ic BIOL 4 BIOL 4	910 – (1-4 hrs) – Advand 960 – (4 hrs) - Undergra 960H – (4 hrs) - Undergr CBIO)(VPAT) 5040 – (3	nduate Research in Biol graduate Research in Bi	iology (Honors)

Effective January 2017 Cont'd on back of page

BIOL(CBIO) 5050L – (3 hrs) - Electron Microscopy Laboratory

BIOL 3720L – (3 hrs) - Field Animal Behavior **BTEC**(BCMB)(PBIO) 4000L – (4 hrs) - Methods in Biotechnology

CBIO 3000/L – (4 hrs) – Comparative Vertebrate Anatomy	CBIO 3800 – (4 hrs) – Neurobiology
CBIO 3010/L (4 hrs) – Gross Anatomy	CBIO3800L – (2 hrs) – Neurobiology Laboratory
CBIO 3050 – (3 hrs) – Medical Histology	CBIO(MIBO)(IDIS) 4100 – (3 hrs) - Immunology
CBIO 3200 – (1-3 hrs) - Medical Anatomy	CBIO 4200 – (3 hrs) - Biomedical Research in Health and Disease
CBIO 3400 – (4 hrs) - Cell Biology	CBIO 4200H – (3 hrs) - Biomedical Research in Health and Disease (Honors)
CBIO 3400E – (4 hrs) - Cell Biology CBIO 3410L – (4 hrs) - Lab In Cellular and Developmental Biology	CBIO 4340 - (3 hrs) - Biology of Aging CBIO 4500 – (3 hrs) - Medical Parasitology
CBIO 3600 – (4 hrs) - Lao III Centrial and Developmental Biology CBIO 3600 – (4 hrs) - Developmental Biology	CBIO(PBIO) 4600/L – (4 hrs) - Biology of Protists
CBIO 3710 – (4 lifs) - Developmental Biology CBIO 3710 – (3 hrs) - Principles in Physiology	CBIO 4730 – (3 hrs) - Endocrinology
CHEM(BCMB) 4190 – (3 hrs) – Introduction of NMR Spectroscopy	CDIO 4730 - (3 liis) - Endocrinology
CRSS (ECOL) 4563 – (3 hrs) – Genotoxicology of Radionuclides & contaminants CRSS(HORT)(ECOL) 4590 – (3 hrs) - Soil Fertility and Plant Nutrition	CRSS(MBIO) 4610/L – (3 hrs) - Soil Microbiology
ECOL 3000/L – (4 hrs) - Introduction to Field Methods	ECOL 4070/L – (4 hrs) - Invertebrate Zoology
ECOL 3100/L – (4 hrs) -Tropical Field Ecology	ECOL 4110 – (4 hrs) - Insect Diversity
ECOL 3220 – (4 hrs) - Biology and Conservation of Marine Mammals	ECOL 4130L – (3 hrs) - Ecological Methodology
ECOL 3500/L – (4 hrs) - Ecology	ECOL 4150/L – (4 hrs) - Population Biology of Infectious Diseases
ECOL 3505H/L – (4 hrs) - Ecology (Honors)	ECOL 4160 – (4 hrs) - Ecology of North America
ECOL 3510 – (3-4 hrs) - Ecology Laboratory	ECOL(MARS) 4225/L – (4 hrs) - Methods in Marine Ecology
ECOL 3530-3530D – (3 hrs) - Conservation Biology	ECOL 4240/L – (4 hrs) - Physiological Ecology
ECOL 3600 (3 hrs) - Tropical Ecology: From Organisms to Ecosystems	ECOL(FISH)(WASR) 4310/L – (4 hrs) - Limnology
ECOL 3880H – (3 hrs) - Ecosystems of the World (Honors) ECOL 4000 – (3 hrs) - Population and Community Ecology	ECOL(BIOL)(MARS) 4330/L – (4 hrs) - Tropical Marine Invertebrates ECOL 4500– (3 hrs) - Evolutionary Ecology
ECOL 4000 – (3 hrs) - Fopulation and Community Ecology ECOL 4010 – (3 hrs) - Ecosystem Ecology	ECOL (PBIO) 4520– (3 hrs) - Plant-Animal Interactions
ECOL 4010 – (3 firs) - Ecosystem Ecology ECOL 4050/L – (4 hrs) – Ichthyology	ECOL (4540 - (3 hrs) - Behavioral Ecology
EHSC(FDST)(MBIO) 4310/L – (4 hrs) - Environmental Microbiology	LCOL 1210 - (3 IIIs) - Deliavioral Ecology
	ENTO 4000/I (4 has) Consul Entorus!
ENTO 3140/L – (4 hrs) - Insect Natural History	ENTO 4000/L – (4 hrs) - General Entomology
ENTO 3645 – (3 hrs) - Medical Entomology Lecture ENTO 3650/L – (4 hrs) - Medical Entomology	ENTO 4450 – (3 hrs) – Insect Behavior
FDST(MIBO) 4120/L – (3 hrs) - Food Fermentations	TYOY AFOO (A.L.) THE DESIGNATION OF THE PROPERTY OF THE PROPER
FISH(ECOL)(MARS)(WILD) 4300 – (3 hrs) - Environmental Biology of Fishes	FISH 4500 – (3 hrs) - Fish Physiology
FISH(ECOL) 4360 – (4 hrs) - Fish Ecology	FISH(ECOL)(MARS)(WILD) 4550/L – (4 hrs) - Conservation Aquaculture
GENE 3000 – (4 hrs) - Evolutionary Biology	GENE 4210L – (4 hrs) - Molecular Genetics Lab
GENE 3080H – Honors Evolutionary Biology (4 hrs)	GENE 4220L – (3 Hrs) - Bioinformatics and Modeling Laboratory
GENE 3200 – (4 hrs) - Genetics	GENE 4230L – (3 hrs) - Evolutionary Biology Laboratory
GENE 3210L – (3 hrs) - Experimental Genetics	GENE 4300 – (3 hrs) - Evolutionary Genomics
GENE 3220L (3 hrs) – Genetics Problem Solving Lab	GENE 4310 – (3 hrs) – Genetic Approaches to Developmental Neuroscience
GENE 4020W (3 hrs) - Evolution and Climate Change in the Ocean	GENE 4400 – (3 hrs) – Epigenetic Control and Genetic Instability
GENE 4050 – (3 hrs) - Behavior Genetics	GENE 4500 – (3 hrs) - Human Genetics
GENE 4070 – (3 hrs) - Evolutionary Medicine	GENE 4550 – (3 hrs) – Evolution and Development
CENE 4200 (2 hm) Advanced Constinu	
GENE 4200 – (3 hrs) - Advanced Genetics	CEOC(DDIO) 4240 (2 hm) Dlant Committee
GEOG(PBIO) 4220 – (3 hrs) - Ecological Biogeography	GEOG(PBIO) 4240 – (3 hrs) - Plant Geography
GEOG(PBIO) 4220 – (3 hrs) - Ecological Biogeography HORT (CRSS) 4430 – (3 hrs) Plant Physiology	GEOG(PBIO) 4240 – (3 hrs) - Plant Geography
GEOG(PBIO) 4220 – (3 hrs) - Ecological Biogeography HORT (CRSS) 4430 – (3 hrs) Plant Physiology IDIS(CBIO) 3100 – (3 hrs) - People, Parasites, and Plagues	
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GEOG(PBIO) 4220 – (3 hrs) - Ecological Biogeography HORT (CRSS) 4430 – (3 hrs) Plant Physiology IDIS(CBIO) 3100 – (3 hrs) - People, Parasites, and Plagues KINS 4690-4690L (4 hrs) Neuromuscular Exercise Physiology MARS 3450/L – (4 hrs) - Marine Biology MARS 3550 – (3 hrs) - Life in Fluids MARS(PBIO) 4160/L – (4 hrs) - Life and Death in the Salt Marsh MIBO 3500 or MIBO 3500E– (3 hrs) - Introductory Microbiology MIBO 3510L – (3 hrs) - Introductory Microbiology Lab MIBO 3510H – (3 hrs) - Introductory Microbiology Lab (Honors) MIBO 4090 or 4090E– (3 hrs) - Prokaryotic Biology	KINS 5690 (3 hrs) Skeletal Muscle and Mitochondria Physiology MARS 4200 – (3 hrs) - Chemical and Biological Oceanography MARS 4500 – (5 hrs) - Field Study in Oceanography and Marine Methods MARS(MIBO) 4620/L – (3 hrs) - Microbial Ecology MARS 4810 – (3 hrs) – Global Biogeochemical Cycles MIBO 4300 or 4300 E– (3 hrs) - Microbial Diversity and Evolution MIBO 4500 or MIBO 4500E– (3 hrs) -Bacterial Symbioses MIBO 4600L – (4 hrs) - Experimental Microbiology Laboratory MIBO 4680 – (4 hrs) - Industrial Microbiology and Biotechnology
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GEOG(PBIO) 4220 – (3 hrs) - Ecological Biogeography HORT (CRSS) 4430 – (3 hrs) Plant Physiology IDIS(CBIO) 3100 – (3 hrs) - People, Parasites, and Plagues KINS 4690-4690L (4 hrs) Neuromuscular Exercise Physiology MARS 3450/L – (4 hrs) - Marine Biology MARS 3550 – (3 hrs) - Life in Fluids MARS(PBIO) 4160/L – (4 hrs) - Life and Death in the Salt Marsh MIBO 3500 or MIBO 3500E– (3 hrs) - Introductory Microbiology MIBO 3510L – (3 hrs) - Introductory Microbiology Lab MIBO 3510H – (3 hrs) - Introductory Microbiology Lab (Honors) MIBO 4090 or 4090E– (3 hrs) - Prokaryotic Biology MIBO 4110 – (3 hrs) – Plant Microbe Interactions (Griffin only) MIBO(POPH) 4220 or 4220S (3 hrs) - Pathogenic Bacteriology	KINS 5690 (3 hrs) Skeletal Muscle and Mitochondria Physiology MARS 4200 – (3 hrs) - Chemical and Biological Oceanography MARS 4500 – (5 hrs) - Field Study in Oceanography and Marine Methods MARS(MIBO) 4620/L – (3 hrs) - Microbial Ecology MARS 4810 – (3 hrs) – Global Biogeochemical Cycles MIBO 4300 or 4300 E– (3 hrs) - Microbial Diversity and Evolution MIBO 4500 or MIBO 4500E– (3 hrs) - Bacterial Symbioses MIBO 4600L – (4 hrs) - Experimental Microbiology Laboratory MIBO 4680 – (4 hrs) - Industrial Microbiology and Biotechnology MIBO 4700 – (3 hrs) - Medical Mycology MIBO 4710L – (3 hrs) - Medical Mycology Laboratory PATH(PBIO) – 4200/L – (3 hrs) - Introductory Mycology
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GEOG(PBIO) 4220 – (3 hrs) - Ecological Biogeography HORT (CRSS) 4430 – (3 hrs) Plant Physiology IDIS(CBIO) 3100 – (3 hrs) - People, Parasites, and Plagues KINS 4690-4690L (4 hrs) - Neuromuscular Exercise Physiology MARS 3450/L – (4 hrs) - Marine Biology MARS 3550 – (3 hrs) - Life in Fluids MARS(PBIO) 4160/L – (4 hrs) - Life and Death in the Salt Marsh MIBO 3500 or MIBO 3500E– (3 hrs) - Introductory Microbiology MIBO 3510L – (3 hrs) - Introductory Microbiology Lab MIBO 3510H – (3 hrs) - Introductory Microbiology Lab (Honors) MIBO 4090 or 4090E– (3 hrs) - Prokaryotic Biology MIBO 4110 – (3 hrs) – Plant Microbe Interactions (Griffin only) MIBO(POPH) 4220 or 4220S (3 hrs) - Pathogenic Bacteriology PATH (ANTH)(PBIO) 3010 – (3 hrs) - Fungi: Friends and Foes PBIO 3270 – (3 hrs) - Flowers PBIO 3600 – (4 hrs) - Plant Cell and Developmental Biology PBIO 3600 – (4 hrs) - Plant Biology Intensive Laboratory PBIO 4500 (3 hrs) - Introduction to Gene Technology PMCY 3000 – (4 hrs) - Human Physiology	KINS 5690 (3 hrs) Skeletal Muscle and Mitochondria Physiology MARS 4200 – (3 hrs) - Chemical and Biological Oceanography MARS 4500 – (5 hrs) - Field Study in Oceanography and Marine Methods MARS(MIBO) 4620/L – (3 hrs) - Microbial Ecology MARS 4810 – (3 hrs) – Global Biogeochemical Cycles MIBO 4300 or 4300 E– (3 hrs) - Microbial Diversity and Evolution MIBO 4500 or MIBO 4500E– (3 hrs) - Bacterial Symbioses MIBO 4600L – (4 hrs) - Experimental Microbiology Laboratory MIBO 4680 – (4 hrs) - Industrial Microbiology and Biotechnology MIBO 4700 – (3 hrs) - Medical Mycology MIBO 4710L – (3 hrs) - Medical Mycology Laboratory PATH(PBIO) – 4200/L – (3 hrs) - Introductory Mycology PBIO(GENE)(PATH) 4510 – (3 hrs) - Genome Evolution Across the Tree of Life PBIO 4640/L – (3 hrs) - Botanical Illustration PBIO 4650/L – (4 hrs) - Plant Taxonomy PBIO(ECOL) 4750 – (3 hrs) - Tropical Ecology and Conservation PMCY 4000 – (3 hrs) - The War on Cancer
GEOG(PBIO) 4220 – (3 hrs) - Ecological Biogeography HORT (CRSS) 4430 – (3 hrs) Plant Physiology IDIS(CBIO) 3100 – (3 hrs) - People, Parasites, and Plagues KINS 4690-4690L (4 hrs) Neuromuscular Exercise Physiology MARS 3450/L – (4 hrs) - Marine Biology MARS 3550 – (3 hrs) - Life in Fluids MARS(PBIO) 4160/L – (4 hrs) - Life and Death in the Salt Marsh MIBO 3500 or MIBO 3500E– (3 hrs) - Introductory Microbiology MIBO 3510L – (3 hrs) - Introductory Microbiology Lab MIBO 3510H – (3 hrs) - Introductory Microbiology Lab (Honors) MIBO 4090 or 4090E– (3 hrs) - Prokaryotic Biology MIBO 4110 – (3 hrs) – Plant Microbe Interactions (Griffin only) MIBO(POPH) 4220 or 4220S (3 hrs) - Pathogenic Bacteriology PATH (ANTH)(PBIO) 3010 – (3 hrs) - Fungi: Friends and Foes PBIO 3270 – (3 hrs) - Flowers PBIO 3600 – (4 hrs) - Plant Cell and Developmental Biology PBIO 3600 – (4 hrs) - Plant Ecology PBIO 3600 (3 hrs) - Introduction to Gene Technology PMCY 3000 – (4 hrs) - Human Physiology POPH(MIBO)(IDIS) 4450/L – (4 hrs) - Microbial Genetics and Genomics	KINS 5690 (3 hrs) Skeletal Muscle and Mitochondria Physiology MARS 4200 – (3 hrs) - Chemical and Biological Oceanography MARS 4500 – (5 hrs) - Field Study in Oceanography and Marine Methods MARS(MIBO) 4620/L – (3 hrs) - Microbial Ecology MARS 4810 – (3 hrs) – Global Biogeochemical Cycles MIBO 4300 or 4300 E– (3 hrs) - Microbial Diversity and Evolution MIBO 4500 or MIBO 4500E– (3 hrs) -Bacterial Symbioses MIBO 4600L – (4 hrs) - Experimental Microbiology Laboratory MIBO 4680 – (4 hrs) - Industrial Microbiology and Biotechnology MIBO 4700 – (3 hrs) - Medical Mycology MIBO 4710L – (3 hrs) - Medical Mycology Laboratory PATH(PBIO) – 4200/L – (3 hrs) - Introductory Mycology PBIO(GENE)(PATH) 4510 – (3 hrs) - Genome Evolution Across the Tree of Life PBIO(BIOL)(BINF) 4550 – (3 hrs) - Bioinformatics Applications PBIO 4640/L – (3 hrs) - Plant Taxonomy PBIO(ECOL) 4750 – (3 hrs) - Tropical Ecology and Conservation
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GEOG(PBIO) 4220 – (3 hrs) - Ecological Biogeography HORT (CRSS) 4430 – (3 hrs) Plant Physiology IDIS(CBIO) 3100 – (3 hrs) - People, Parasites, and Plagues KINS 4690-4690L (4 hrs) - Marine Biology MARS 3450/L – (4 hrs) - Marine Biology MARS 3550 – (3 hrs) - Life in Fluids MARS(PBIO) 4160/L – (4 hrs) - Life and Death in the Salt Marsh MIBO 3500 or MIBO 3500E– (3 hrs) - Introductory Microbiology MIBO 3510L – (3 hrs) - Introductory Microbiology Lab MIBO 3510H – (3 hrs) - Introductory Microbiology Lab (Honors) MIBO 4090 or 4090E– (3 hrs) - Prokaryotic Biology MIBO 4110 – (3 hrs) – Plant Microbe Interactions (Griffin only) MIBO(POPH) 4220 or 4220S (3 hrs) - Pathogenic Bacteriology PATH (ANTH)(PBIO) 3010 – (3 hrs) - Fungi: Friends and Foes PBIO 3270 – (3 hrs) - Flowers PBIO 3600 – (4 hrs) - Plant Cell and Developmental Biology PBIO 3600 – (4 hrs) - Plant Biology Intensive Laboratory PBIO 4500 (3 hrs) - Introduction to Gene Technology PMCY 3000 – (4 hrs) - Human Physiology POPH(MIBO)(IDIS) 4450/L – (4 hrs) - Microbial Genetics and Genomics POPH(MIBO)(IDIS) 4450/L – (4 hrs) - Microbial Genetics and Genomics POPH(MIBO)(IDIS) 4650 – (3 hrs) - Introduction to Virology POUL(BIOL) 4060 – (3 hrs) - Reproductive Endocrinology	KINS 5690 (3 hrs) Skeletal Muscle and Mitochondria Physiology MARS 4200 – (3 hrs) - Chemical and Biological Oceanography MARS 4500 – (5 hrs) - Field Study in Oceanography and Marine Methods MARS(MIBO) 4620/L – (3 hrs) - Microbial Ecology MARS 4810 – (3 hrs) – Global Biogeochemical Cycles MIBO 4300 or 4300 E– (3 hrs) - Microbial Diversity and Evolution MIBO 4500 or MIBO 4500E– (3 hrs) - Bacterial Symbioses MIBO 4600L – (4 hrs) - Experimental Microbiology Laboratory MIBO 4680 – (4 hrs) - Industrial Microbiology and Biotechnology MIBO 4700 – (3 hrs) - Medical Mycology MIBO 4710L – (3 hrs) - Medical Mycology Laboratory PATH(PBIO) – 4200/L – (3 hrs) - Introductory Mycology PBIO(GENE)(PATH) 4510 – (3 hrs) - Genome Evolution Across the Tree of Life PBIO(BIOL)(BINF) 4550 – (3 hrs) - Bioinformatics Applications PBIO 4640/L – (3 hrs) - Botanical Illustration PBIO 4650/L – (4 hrs) - Plant Taxonomy PBIO(ECOL) 4750 – (3 hrs) - Tropical Ecology and Conservation PMCY 4000 – (3 hrs) - The War on Cancer POPH(MIBO) 4651 – (3 hrs) – RNA Virus Genomic Diversity
GEOG(PBIO) 4220 – (3 hrs) - Ecological Biogeography HORT (CRSS) 4430 – (3 hrs) Plant Physiology IDIS(CBIO) 3100 – (3 hrs) - People, Parasites, and Plagues KINS 4690-4690L (4 hrs) - Neuromuscular Exercise Physiology MARS 3450/L – (4 hrs) - Marine Biology MARS 3550 – (3 hrs) - Life in Fluids MARS(PBIO) 4160/L – (4 hrs) - Life and Death in the Salt Marsh MIBO 3500 or MIBO 3500E– (3 hrs) - Introductory Microbiology MIBO 3510L – (3 hrs) - Introductory Microbiology Lab MIBO 3510H – (3 hrs) - Introductory Microbiology Lab (Honors) MIBO 4090 or 4090E– (3 hrs) - Prokaryotic Biology MIBO 4110 – (3 hrs) – Plant Microbe Interactions (Griffin only) MIBO(POPH) 4220 or 4220S (3 hrs) - Pathogenic Bacteriology PATH (ANTH)(PBIO) 3010 – (3 hrs) - Fungi: Friends and Foes PBIO 3270 – (3 hrs) - Flowers PBIO 3600 – (4 hrs) - Plant Cell and Developmental Biology PBIO 3600 (3 hrs) - Plant Ecology PBIO 3600 (3 hrs) - Introduction to Gene Technology PMCY 3000 – (4 hrs) - Human Physiology POPH(MIBO)(IDIS) 4450/L – (4 hrs) - Microbial Genetics and Genomics POPH(MIBO)(IDIS) 4450/L – (4 hrs) - Microbial Genetics and Genomics POPH(MIBO)(IDIS) 4650 – (3 hrs) - Introduction to Virology POUL(BIOL) 4060 – (3 hrs) - Reproductive Endocrinology PSYC 4120 – (3 hrs) - Sensation and Perception	KINS 5690 (3 hrs) Skeletal Muscle and Mitochondria Physiology MARS 4200 – (3 hrs) - Chemical and Biological Oceanography MARS 4500 – (5 hrs) - Field Study in Oceanography and Marine Methods MARS(MIBO) 4620/L – (3 hrs) - Microbial Ecology MARS 4810 – (3 hrs) – Global Biogeochemical Cycles MIBO 4300 or 4300 E– (3 hrs) - Microbial Diversity and Evolution MIBO 4500 or MIBO 4500E– (3 hrs) -Bacterial Symbioses MIBO 4600L – (4 hrs) - Experimental Microbiology Laboratory MIBO 4680 – (4 hrs) - Industrial Microbiology and Biotechnology MIBO 4700 – (3 hrs) - Medical Mycology MIBO 4710L – (3 hrs) - Medical Mycology Laboratory PATH(PBIO) – 4200/L – (3 hrs) - Introductory Mycology PBIO(GENE)(PATH) 4510 – (3 hrs) - Genome Evolution Across the Tree of Life PBIO(BIOL)(BINF) 4550 – (3 hrs) - Bioinformatics Applications PBIO 4640/L – (3 hrs) - Botanical Illustration PBIO 4650/L – (4 hrs) - Plant Taxonomy PBIO(ECOL) 4750 – (3 hrs) - Tropical Ecology and Conservation PMCY 4000 – (3 hrs) - The War on Cancer POPH(MIBO) 4651 – (3 hrs) – RNA Virus Genomic Diversity POUL 4150 (3-6 hrs) Field Study in Avian Biology PSYC 5750 – (3 hrs) - Principles of Primate Phylogeny
GEOG(PBIO) 4220 – (3 hrs) - Ecological Biogeography HORT (CRSS) 4430 – (3 hrs) Plant Physiology IDIS(CBIO) 3100 – (3 hrs) - People, Parasites, and Plagues KINS 4690-4690L (4 hrs) Neuromuscular Exercise Physiology MARS 3450/L – (4 hrs) - Marine Biology MARS 3550 – (3 hrs) - Life in Fluids MARS(PBIO) 4160/L – (4 hrs) - Life and Death in the Salt Marsh MIBO 3500 or MIBO 3500E– (3 hrs) - Introductory Microbiology MIBO 3510L – (3 hrs) - Introductory Microbiology Lab MIBO 3510H – (3 hrs) - Introductory Microbiology Lab (Honors) MIBO 4090 or 4090E– (3 hrs) - Prokaryotic Biology MIBO 4110 – (3 hrs) – Plant Microbe Interactions (Griffin only) MIBO(POPH) 4220 or 4220S (3 hrs) - Pathogenic Bacteriology PATH (ANTH)(PBIO) 3010 – (3 hrs) - Fungi: Friends and Foes PBIO 3270 – (3 hrs) - Flowers PBIO 3600 – (4 hrs) - Plant Cell and Developmental Biology PBIO 3600 – (4 hrs) - Plant Ecology PBIO 3600 (3 hrs) - Introduction to Gene Technology PMCY 3000 – (4 hrs) - Human Physiology POPH(MIBO)(IDIS) 4450/L – (4 hrs) - Microbial Genetics and Genomics POPH(MIBO)(IDIS) 4450/L – (4 hrs) - Microbial Genetics and Genomics POPH(MIBO)(IDIS) 4650 – (3 hrs) - Introduction to Virology POUL(BIOL) 4060 – (3 hrs) - Reproductive Endocrinology PSYC 4120 – (3 hrs) - Sensation and Perception PSYC 4130 – (3 hrs) - Physiological and Comparative Psychology	KINS 5690 (3 hrs) Skeletal Muscle and Mitochondria Physiology MARS 4200 – (3 hrs) - Chemical and Biological Oceanography MARS 4500 – (5 hrs) - Field Study in Oceanography and Marine Methods MARS(MIBO) 4620/L – (3 hrs) - Microbial Ecology MARS 4810 – (3 hrs) – Global Biogeochemical Cycles MIBO 4300 or 4300 E– (3 hrs) - Microbial Diversity and Evolution MIBO 4500 or MIBO 4500E– (3 hrs) -Bacterial Symbioses MIBO 4600L – (4 hrs) - Experimental Microbiology Laboratory MIBO 4680 – (4 hrs) - Industrial Microbiology and Biotechnology MIBO 4700 – (3 hrs) - Medical Mycology MIBO 4710L – (3 hrs) - Medical Mycology Laboratory PATH(PBIO) – 4200/L – (3 hrs) - Introductory Mycology PBIO(GENE)(PATH) 4510 – (3 hrs) - Genome Evolution Across the Tree of Life PBIO(BIOL)(BINF) 4550 – (3 hrs) - Bioinformatics Applications PBIO 4640/L – (3 hrs) - Botanical Illustration PBIO 4650/L – (4 hrs) - Plant Taxonomy PBIO(ECOL) 4750 – (3 hrs) - Tropical Ecology and Conservation PMCY 4000 – (3 hrs) - The War on Cancer POPH(MIBO) 4651 – (3 hrs) – RNA Virus Genomic Diversity POUL 4150 (3-6 hrs) Field Study in Avian Biology PSYC 5750 – (3 hrs) - Principles of Primate Phylogeny PSYC 5770– (3 hrs) - Organization of Primate Social Groups
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GEOG(PBIO) 4220 – (3 hrs) - Ecological Biogeography HORT (CRSS) 4430 – (3 hrs) Plant Physiology IDIS(CBIO) 3100 – (3 hrs) - People, Parasites, and Plagues KINS 4690-4690L (4 hrs) Neuromuscular Exercise Physiology MARS 3450/L – (4 hrs) - Marine Biology MARS 3550 – (3 hrs) - Life in Fluids MARS(PBIO) 4160/L – (4 hrs) - Life and Death in the Salt Marsh MIBO 3500 or MIBO 3500E– (3 hrs) - Introductory Microbiology MIBO 3510L – (3 hrs) - Introductory Microbiology Lab MIBO 3510H – (3 hrs) - Introductory Microbiology Lab (Honors) MIBO 4900 or 4090E– (3 hrs) - Prokaryotic Biology MIBO 4110 – (3 hrs) – Plant Microbe Interactions (Griffin only) MIBO(POPH) 4220 or 4220S (3 hrs) - Pathogenic Bacteriology PATH (ANTH)(PBIO) 3010 – (3 hrs) - Fungi: Friends and Foes PBIO 3270 – (3 hrs) - Flowers PBIO 3600 – (4 hrs) - Plant Cell and Developmental Biology PBIO 3600 (4 hrs) - Plant Ecology PBIO 3600 – (4 hrs) - Plant Biology Intensive Laboratory PBIO 3600 – (4 hrs) - Human Physiology POPH(MIBO)(IDIS) 4450/L – (4 hrs) - Microbial Genetics and Genomics POPH(MIBO)(IDIS) 4450/L – (4 hrs) - Microbial Genetics and Genomics POPH(MIBO)(IDIS) 4650 – (3 hrs) - Introduction to Virology POUL(BIOL) 4060 – (3 hrs) - Sensation and Perception PSYC 4120 – (3 hrs) - Sensation and Perception PSYC 4130 – (3 hrs) - Sensation and Perception PSYC 4130 – (3 hrs) - Sensation and Comparative Psychology PSYC 4130 – (3 hrs) - Biological Foundations of Health Psychology VPAT 3100H (3 hrs) Introduction to Disease VPHY 3100 – (3 hrs) - Elements of Physiology WILD(ECOL) 3580/L - (3/1=4 hrs) - Vertebrate Natural History	KINS 5690 (3 hrs) Skeletal Muscle and Mitochondria Physiology MARS 4200 – (3 hrs) - Chemical and Biological Oceanography MARS 4500 – (5 hrs) - Field Study in Oceanography and Marine Methods MARS (MIBO) 4620/L – (3 hrs) - Microbial Ecology MARS 4810 – (3 hrs) – Global Biogeochemical Cycles MIBO 4300 or 4300 E– (3 hrs) - Microbial Diversity and Evolution MIBO 4500 or MIBO 4500E– (3 hrs) - Bacterial Symbioses MIBO 4600L – (4 hrs) - Experimental Microbiology Laboratory MIBO 4680 – (4 hrs) - Industrial Microbiology and Biotechnology MIBO 4700 – (3 hrs) - Medical Mycology MIBO 4710L – (3 hrs) - Medical Mycology Laboratory PATH(PBIO) – 4200/L – (3 hrs) - Introductory Mycology PBIO(GENE)(PATH) 4510 – (3 hrs) - Genome Evolution Across the Tree of Life PBIO(BIOL)(BINF) 4550 – (3 hrs) - Bioinformatics Applications PBIO 4640/L – (3 hrs) - Botanical Illustration PBIO 4650/L – (4 hrs) - Plant Taxonomy PBIO(ECOL) 4750 – (3 hrs) - Tropical Ecology and Conservation PMCY 4000 – (3 hrs) - The War on Cancer POPH(MIBO) 4651 – (3 hrs) - RNA Virus Genomic Diversity POUL 4150 (3-6 hrs) Field Study in Avian Biology PSYC 5750 – (3 hrs) - Principles of Primate Phylogeny PSYC 5770– (3 hrs) - Organization of Primate Social Groups PSYC 5850 – (3 hrs) - Psychopharmacology – Drugs and Behavior VPAT 4000 – (3 hrs) - On the Origins of Disease WILD 4060/L – (3 hrs) – On the Origins of Disease
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