



February 21, 2006

To Whom It May Concern:

This office supports the curriculum proposals SCC-05-06-806, *Philosophy of Science Requirement for Biochemistry Majors*, SCC-05-06-807, *Philosophy of Science Requirement for Chemistry Majors* and SCC-05-06-821, *Revision of the Introductory Biology Curriculum and Biology Major*, which also includes the addition of Philosophy of Science as a requirement.

With respect to staffing in the department of Philosophy and Religion a new line has been and will remain a high priority until it is filled. However, no guarantee can be made at this time.

Sincerely,

J.A. Harper  
Dean

JAH/jds

Office of the Dean

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FY1 INFO	DEPT	Transmittal	G R A D	General Educ	COURSE TITLE	SCC #	HEGIS #	m	D	Y	Implem
	Chemistry/Physics	Minor Change			General Chemistry (change Hegis number 1905.302)	92-93-106	1905.102	12	14	93	
	Chemistry/Physics	Course Incls		Gen Ed	General Chemistry (Lecture and lab) See Gen Ed Notebook GE#83-095	83-095	1905.302	2	7	83	
	Chemistry/Physics	Course Incls		Gen Ed	General Inorganic Chemistry I (Lecture and Lab) See Gen Ed Notebook GE#83-162	83-162	1906.100	2	7	83	
	Chemistry/Physics	Course Incls		Gen Ed	General Inorganic Chemistry II (Lecture and Lab) See Gen Ed Notebook GE#83-163	83-163	1906.101	2	7	83	
	Chemistry/Physics	Course Incls		Gen Ed	Geology I: Physical Geology See Gen Ed Notebook GE#83-091	83-091	1914.101	2	7	83	
	Chemistry/Physics	Course Incls		Gen Ed	Geology II: Historical Geology Gen Ed Notebook GE#83-096	83-096	1914.100	2	7	83	
	Chemistry/Physics	Minor Change			Hegis Numbers for 300+ level Physics Courses	99-737					
	Chemistry/Physics	Minor Change		Gen Ed	Introduction to Astronomy (Lab) (Astronomy) to Intro to Astronomy (Lecture/Lab) See Gen Ed Notebook	99-00-712	1911.120	2		0	
BS 7/28/04	Chemistry/Biochemistr y	Minor Change U			Introduction to Biochemistry from 0414.348 to 1907.348	03-04-808	1907.348	07	15	04	fall/04
	Chemistry/Physics	New Course			Introduction to Engineering Principles	87-88-29	1901.201	05	20	88	
	Chemistry/Physics	New Course			Introduction to Forensic Science	85-86-82	1905.350	9	16	86	
	Chemistry/Physics	Minor Change			Introduction to Invertebrate Paleontology From 3 to 4 SH	75-76-14					
	Chemistry/Physics	New Course			Introduction to Polymer Chemistry	84-85-62	1907.405	10	30	85	
	Chemistry/Biochemistr y	Minor Change U			Introduction to Research I to Research I	04-05-805	1905.440	01	03	05	
	Chemistry/Biochemistr y	Minor Change U			Introduction to Research II	04-05-806	1905.441	01	03	05	
	Chemistry/Physics	New Course		Graduate + Undergraduate	Legal Aspects of Developing New Jersey's Coastal Region	83-84-51	1919.310	7	1	84	
	Chemistry/Physics	New Course		Graduate + Undergraduate	Management of Coastal Resources (Special Topics)	83-84-52	1919.309 + 1919.542	7	1	84	
	Chemistry/Physics	New Course		Graduate + Undergraduate	Management of Marine Resources	83-84-49	418.350 + 0418.531	7	1	84	
	Chemistry/Physics	New Course			Marine Fossils of New Jersey's Coastal Plain	86-87-43	1919.487	6	3	87	
	Chemistry/Physics	New Course			Marine Invertebrate Paleobiology (NJ Marine Science)	75-76-31	1914.420	4	1	76	
	Chemistry/Physics	Minor Change			Mathematical Physics - chg hegis # from 1902.425 to 1902.325	95-96-113	1902.325	4	12	96	
	Chemistry/Physics Physics/Astronomy	Minor Change U			Mathematical Physics no longer a major requirement for a BS in Physics	03-04-816		06	16	04	spr/05
	Chemistry/Physics	Minor Change			Mathematical Physics prerequisite for Quantum Physics and Electricity and Magnetism	95-96-112		4	12	96	

FYI INFO	DEPT	Transmittal	G R A D	General Educ	COURSE TITLE	SCC #	HEGIS #	m	D	Y	Implem
	Chemistry/Physics	Minor Change			Mechanics (from 4 s.h. to 3 s.h.)	84-85-27	1902.555	7	3	185	
	Chemistry/Physics	Minor Change			Mechanics (from 4 s.h. to 3 s.h.)	97-98-41	1902.555	1	26	98	
	Chemistry/Physics	Minor Change	G		Mechanics from 3 to 4 credit hours	03-04-813	1902.555	10	28	04	Spr/04
Reg 1/21/05 as Grad crs.	Chemistry/Physics	New Course	U		Medicinal Chemistry	02-03-812	1907.410	01	27	04	Fall/04
*Bonny 2/8/05	Chemistry/Biochemistr y	New Course	G		Medicinal Chemistry	02-03-812	1907.510	01	20	05	fall/05
	Chemistry/Physics	Course Includ		Gen Ed	Meteorology See Gen Ed Notebook GE#83-090	83-090	1913.200	2	7	83	
	Chemistry/Physics	Minor Change		Gen Ed	Methods and Techniques in Modern Astronomy (Lab) See Gen Ed Notebook	00-01-716	1911.211	5	15	1	Spr 2002
	Chemistry/Physics	Minor Change		Gen Ed	Methods and Techniques in Observational Astronomy See Gen Ed Notebook GE83-168	83-168	1911.211	2	7	83	
	Chemistry/Physics				Methods and Techniques in Observational Astronomy See notebook tab 1976) 7/21/76						
	Chemistry/Physics	New Minor			Minor in Astronomy (Notification was sent to AIC 9/26/03)	02-03-813	M911	09	17	03	Spr/04
	Chemistry/Physics	New Minor			Minor in Chemistry	86-87-08		4	22	87	
	Chemistry/Physics	New Minor		Minor	Minor in Physics	92-93-45	M902	9	8	93	
	Chemistry/Physics	Minor Change		Prerequisite	Minor in Physics -expand list of optional courses for the Minor in Physics to include all advanced physics crs	95-96-114		4	25	96	
	Chemistry/Physics	Minor Change		Title	Modern Physics -Chg Physics III to Modern Physics	97-98-33		12	1	97	
	Chemistry/Physics	New Course			Oceanography (NJ Marine Science)	74-75-25	1919.305	3	14	75	
	Chemistry/Physics	Minor Change		Title/Credit	Organic Analysis to Organic Spectroscopy + Credit Hour chg from 3 to 4 + Catalog Description	91-92-5	1907.570	3	2	92	
	Chemistry/Physics	Minor Change		Prerequisite	Organic Chemistry I	98-99-731	1907.200	04	26	00	
	Chemistry/Physics	Minor Change		Prerequisite	Organic Chemistry I . See proposal for complete details	98-99-745		4	26	0	
	Chemistry/Physics	Minor Change		Hegis #	Organic Chemistry I + Organic Chemistry II	96-97-58	1907.200	5	19	97	
	Chemistry/Physics	Minor Change		Prerequisite	Organic Chemistry II (1907.301) Chg prereq. from Chemistry II to Chemistry II and Organic Chem I	95-96-182	1907.301	6	8	96	
	Chemistry/Physics	Minor Change		Title/Credit/Cat	Organic Spectroscopic Analysis From Organic Qualitative Analysis to Organic Spectroscopic Analysis + 3 to 4 crs+	91-92-4	1907.470	3	2	92	
	Chemistry/Biochemistr y	Minor Change	U		Physical Chemistry I prerequisite	04-05-804	1908.400	01	03	05	
Gen Ed Notebook	Chemistry/Physics	Gen Ed		Gen Ed	Physical Science Major Common Core See Gen Ed Notebook GE#83-164	83-164	1901.200	2	7	83	

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					SCC #	HEGIS #	#					
	Chemistry/Physics				Physics and Man (see notebook under tab 1973)			1902.100			73	
Gen Ed Notebook	Chemistry/Physics	Gen Ed		Gen Ed	Physics I with Calculus See Gen Ed Notebook GE#82-165	83-165		1901.201	2	7	83	
Gen Ed Notebook	Chemistry/Physics	Gen Ed		Gen Ed	Physics II with Calculus See Gen Ed Notebook GE#83-167	83-167		1902.203	2	7	83	
Gen Ed Notebook	Chemistry/Physics	Gen Ed		Gen Ed	Physics II-Noncalculus (Lecture and Lab) See Gen Ed Notebook GE#83-166	83-166		1902.202	2	7	83	
	Chemistry/Physics	Minor Change		Gen Ed	Physics I-Noncalculus (Lecture and Lab) Minor chg lab science gen ed See Gen Ed Notebook	01-02-812		1902.140	07	18	02	
	Chemistry/Physics	Minor Change		Add Elective	Physics Major to include Astronomy Research I-IV - minor chg	02-03-815		1911.209.2				
	Chemistry/Physics	New Course		Gen Ed	Physics of Sound and Music	95-96-146		12.312.412	09	05	03	
	Chemistry/Physics	Gen Ed		Gen Ed	Physics of Sound and Music See Gen Ed Notebook	95-96-146		1902.175	3	24	97	
	Chemistry/Physics	Gen Ed		Gen Ed	Physics of Sound and Music See Gen Ed Notebook	95-96-07a		1902.175	2	18	97	
	Chemistry/Physics	New Course			Physics Research I (1902.211) + Physics Research II (1902.212) + Physics Research III (1902.311) + Physics	97-98-26		see proposal	12	1	97	
	Chemistry/Physics	Minor Change		Title	Physics of Everyday Life title chg FROM Conceptual Physics	92-93-44		1902.150	07	15	93	
	Chemistry/Physics	New Course			Polymer Characterization	90-91-6		1907.478	4	29	91	
	Chemistry/Physics	New Course			Polymer Chemistry	84-85-63		1907.575	10	30	85	
	Chemistry/Physics	New Course			Polymer Synthesis	90-91-5		1907.475	4	29	91	
	Chemistry/Physics	Minor Change		Delete	Pre-Engineering Program -delete	95-96-115			4	25	96	
	Chemistry/Physics	New Course			Preparatory College Chemistry	95-96-43		1905.100	4	12	96	
	Chemistry/Physics	Course Includ		Gen Ed	Prerequisites (Chemistry of Everyday Life (1902.150) or Chemistry I (1906.100) See Gen Ed Notebook 83-088	83-088		1917.110	2	7	83	
	Chemistry/Physics	Course Includ		Gen Ed	Principles of Earth Science See Gen Ed Notebook GE#83-087	83-087		1901.110	2	7	83	
	Chemistry/Physics	Minor Change		Prerequisite	Quantitative Analysis add prerequisites See proposal for complete details	98-99-746			4	26	0	
	Chemistry/Physics	Minor Change		Hegis #	Quantitative Analysis from 1909.350 to 1909.250	1909.250		99-732	04	26	00	
	Chemistry/Physics	Minor Change		Delete Graduate Cr's	Quantum Mechanics II (graduate)	97-98-31		1902.389	1	26	98	
	Chemistry/Physics	New Course			Quantum Mechanics I	97-98-28		1902.401	12	1	97	
	Chemistry/Physics	New Course		Graduate	Quantum Mechanics I	97-98-36		1902.541	12	1	97	
	Chemistry/Physics	Minor Change		Prerequisite	Quantum Mechanics I chg prerequisite	03-04-822		1902.541	06	16	04	
	Physics/Astronomy	Minor Change	G								spr/05	

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	Chemistry/Physics	TM 11/17/04	Minor Change		Quantum Mechanics I from 3 to 4 credits	03-04-812	1902.401	10	28	04	Spr/05
	Physics/Astronomy				Credit Hours						
BS 11/17/04	Chemistry/Physics	TM 11/17/04	Minor Change	G	Quantum Mechanics I from 3 to 4 credits	03-04-821	1902.541	10	28	04	Spr/05
	Physics/Astronomy				Credit Hours						
	Chemistry/Physics	TM 1/23/98	New Course		Quantum Mechanics II	97-98-37	1902.542	12	1	97	Fall 98
	Chemistry/Physics	TM 1/23/98	New Course		Quantum Mechanics II	97-98-27	1902.402	12	1	97	Fall 98
	Chemistry/Physics	TM 7/12/04	Minor Change	U	Quantum Mechanics	03-04-811	1902.401	06	16	04	spr/05
	Physics/Astronomy				Prerequisite						
	Chemistry/Physics		New Course		Quantum Physics	95-96-56	1902.570	4	12	96	Fall/96
	Chemistry/Physics		New Course		Quantum Physics	92-93-95	1902.389	5	25	93	Fall/94
	Chemistry/Physics	TM 3/25/98	Minor Change		Quantum Physics	97-98-42	1902.570	1	26	98	
	Chemistry/Physics		Minor Change		Quantum Physics	99-735	1902.401	6	28	99	
	Chemistry/Physics		Minor Change		Quantum Mechanics I chg prerequisites for Quantum Mechanics I	98-742		3	25	95	
	Chemistry/Physics		New Course		Remove restricted electives requirements from Phy Sci major	80-81-29	1901.405	5	1	81	
	Chemistry/Physics		New Course		Scientific Photography	96-97-60	1902.370	4	28	97	
	Chemistry/Physics		Minor Change		Selected Topics in Advanced Physics	99-736	1902.470				
	Chemistry/Physics		Minor Change		Selected Topics in Advanced Physics chg prerequisites	83-092	1902.12	2	7	83	
	Chemistry/Physics		Gen Ed	Gen Ed	Selected Topics in Advanced Physics See Gen Ed Notebook GE#83-092	82-83-092	1902.12	03	07	83	
	Chemistry/Physics		Course Includ	Gen Ed	Selected Topics in Physics See Gen Ed Notebook	74-75-73	1911.320	7	24	75	
	Chemistry/Physics		New Course		Solar System Astrophysics	92-93-100	1902.385	5	25	93	Fall/95
	Chemistry/Physics		New Course		Statistical Mechanics	97-98-40	1902.527	1	26	98	
	Chemistry/Physics		Minor Change		Statistical Mechanics from 4 (lecture & Lab) to 3 (lecture only) credit hours	92-93-49	1902.387	5	25	93	Fall/95
	Chemistry/Physics		New Course		Statistical Physics	97-98-35	1902.387	1	26	98	
	Chemistry/Physics		Minor Change		Statistical Physics from 4 (lecture & lab) to 3 (lecture only) credit hours	78-79-76	1914.425	9	21	77	
	Chemistry/Physics		New Course		Stratigraphy and Sedimentation	90-91-7	1907.580	4	29	91	
	Chemistry/Physics		New Course		Synthesis of Polymers	80-81-29	0418.53	5	1	81	
	Chemistry/Physics		New Course		Synthesis of Polymers						

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	Chemistry/Physics	99-819	New Course			The New York Bight: the MESA Monographs	80-81-29	0418.530				
	Chemistry/Physics		Gen Ed		Gen Ed	The New York Bight: The MESA Monographs (New Jersey Marine Science) See Gen Ed notebook GE#88-260	88-260	4901.185	10	20	89	
	Chemistry/Physics		New Course		Graduate	Topics in Advanced Physics	96-97-59	1902.572	4	28	97	
	Chemistry/Physics		New Course		Grad/Under	Toxic Substances in the Marine Environment	83-84-50	420.313	7	1	84	
	Chemistry/Physics		Minor Change		Transfer	Transfer of Geology I (1914.100) from Chemistry and Physics to Geography and Anthropology: Geology I (2206.103 &	99-752 99 819	2206.103 2206.104	06	16	99	