

Department of Physics Data Booklet

Spring Term 2009
Quality Enhancement
Review

prepared by the Office of Institutional Research,
Budget & Analysis Department



Physics
SPRING TERM 2009

Most recent available statistics

		Report Page No(s)
Degrees Offered	8	1
Faculty	50	2
Majors (Fall 2008 Headcount)		
Undergraduate	117	3-17
Graduate - Masters	2	3-17
Graduate - Doctorate	113	3-17
Total	232	3-17
2007-2008 Degrees Awarded	58	18
Average Class Size (Fall 2007)		
Undergraduate		
Lower - classroom	43.9	20
Upper - classroom	21.3	20
Graduate - classroom	12.8	20
Credit Hours - Annual (2007-2008)		
Fundable	20,303	21
Non-fundable	394	22
Total	20,697	23
University (fundable)	1,082,124	SDCF*
2007-2008 Department Fundable Hours As Percent of University Fundable Hours	1.9%	calculated
Student FTE's- Annual (state fundable 2007-2008)	532.5	21
Credit Hours Percentages by Instructor Type (Fall 2007)		24
Faculty	95.4%	calculated
OPS Regular Faculty	2.3%	calculated
OPS Faculty Adjuncts	0.0%	calculated
Graduate Assistants	2.3%	calculated
A&P/USPS	0.0%	calculated
Phased Retirement	0.0%	calculated
Others	0.0%	calculated
Average Total Credit Hours Taught per Faculty FTE (All Hours, 2007-2008)		
Fall Term	169.4	24
Spring Term	170.4	24
Academic Year	339.8	calculated
Annual Student FTE's Taught by all Faculty (Fall & Spring total hrs converted to annual FTE's, 2007-2008)		30
Undergraduate (academic year hours/40)	350.5	calculated
Graduate (academic year hours/32)	85.6	calculated
Total	436.1	calculated
Doctoral Students/Faculty Ratio (source: Research-Doctorate Programs in the United States- 1993 Study, N.R.C.)		
National Average	2.6	NRC*
FSU Average	2.3	NRC*
6th Year FTIC Grad Rates: Entering Cohort Year 2001	60.0%	34
6th Year AA Transfer Grad Rates: Entering Cohort Year 2001	100.0%	34

*Note: most statistics are based on the Physics account 084xxx. Related accounts may not be included in expenditures and in faculty courses and hours taught. *SDCF=Student Data Course File, NRC=National Research Council + Please contact Donna Smith in FSU IR (644-4203) if you would like additional information about UDE Study.*

Physics

Spring Term 2009

Table of Contents

	<u>Page</u>
Degree Programs	1
The Faculty.....	2
Majors.....	3
Degrees Awarded.....	18
Average Class Size	20
Credit Hours by Semester/Fall & Spring/Annual	
Fundable	21
Non-fundable.....	22
Total	23
Credit Hours and Courses by Instructor Type.....	
E&G Detail 2003-04 to 2007-08	24
Faculty Courses and Hours 2002-03 and 2006-07 (Individual Faculty Summary)	
2003-04	25
2007-08	28
E&G Budgeted Faculty and Staff Lines.....	31
E&G Expenditures by Summary Object Code	32
Graduate Student Completion	33
FTIC and Transfer Grad/Retention Rates	34
Unit Accomplishment Summary Pages 1 and 2.....	35

**COLLEGE OF ARTS & SCIENCES
PHYSICS
DEGREE PROGRAMS**

Major Name	Major Code	CIP Code	Degree Offered
Physics	118110	400801	Bachelors
Physics	118110	400801	Masters
Physics	118110	400801	Doctorate
Major Name	Major Code	CIP Code	Degree Offered
Physics - Biology-Premed.	118122	400899	Bachelors
Major Name	Major Code	CIP Code	Degree Offered
Physics - Biophysics	118127	400899	Bachelors
Major Name	Major Code	CIP Code	Degree Offered
Physics - Oceanography	118144	400899	Bachelors
Major Name	Major Code	CIP Code	Degree Offered
Physics - Geology	118146	400899	Bachelors
Major Name	Major Code	CIP Code	Degree Offered
Physics - Computer Science	118185	400899	Bachelors

Source: Degree Program Inventory, FSU and SUS

Physics

**COLLEGE OF ARTS AND SCIENCES
PHYSICS DEPARTMENT
FACULTY DEMOGRAPHICS (2008)**

Last Name	First Name	Degree	Degree University	Admin. Code	Class	Title	Mo.	Tenure	FSU Hire	Gender	Race	Citizenship
Berg	Bernd	DOCT	Oberlin College	99	9001	Professor	9	1	Oct-85	Male	White	USA
Blessing	Susan	DOCT	Indiana University	99	9001	Professor	9	1	Dec-93	Female	White	USA
Boebinger	Greg	DOCT	Massachusetts Institute of Technology	C4	9001	Center Director & Professor	12	1	Mar-04	Male	White	USA
Bonesteel	Nicholas	DOCT	Cornell University	99	9001	Professor	9	1	Aug-94	Male	White	USA
Brooks	James	DOCT	University of Oregon	99	9001	Professor	9	1	Aug-94	Male	White	USA
Capstick	Simon	DOCT	University of Toronto, Canada	99	9001	Professor	9	1	Dec-93	Male	White	GBR, Canada
Cottle	Paul	DOCT	Yale University	99	9001	Professor	9	1	Jul-86	Male	White	USA
Dobrosavljevic	Vladimir	DOCT	Brown University	99	9001	Professor	9	1	Aug-95	Male	White	Yugoslavia
Duke	Dennis	DOCT	Iowa State University	99	9001	Professor	9	1	Jun-81	Male	White	USA
Hill	Stephen	DOCT	University of Oxford, England	99	9001	Professor	9	1	Aug-08	Male	White	England
Manousakis	Efstratios	DOCT	Univ. of Illinois, Urbana-Champaign	99	9001	Professor	9	1	Aug-88	Male	White	USA
Owens	Joseph	DOCT	Tufts University	D2	9001	Professor	9	1	Jun-79	Male	White	USA
Piekarewicz	Jorge	DOCT	University of Pennsylvania	99	9001	Professor	9	1	Oct-90	Male	Hispanic	USA
Prosper	Harrison	DOCT	University of Manchester, UK	99	9001	Professor	9	1	Dec-93	Male	Black	GBR, Dominican
Reina	Laura	DOCT	University of Rome	99	9001	Professor	9	1	Aug-98	Female	White	USA
Rikvold	Per	DOCT	Temple University	99	9001	Professor	9	1	May-87	Male	White	USA
Riley	Mark	DOCT	University of Liverpool, UK	C1	9001	Chair & Professor	9	1	Dec-90	Male	White	USA
Roberts	Winston	DOCT	University of Guelph, Canada	99	9001	Professor	9	1	Dec-05	Male	Black	USA
Schlottmann	Pedro	DOCT	Technical University, Germany	99	9001	Professor	9	1	Aug-90	Male	White	USA
Tabor	Samuel	DOCT	Stanford University	99	9001	Professor	9	1	Sep-80	Male	White	USA
Van Winkle	David	DOCT	University of Colorado, Boulder	99	9001	Professor	9	1	Aug-86	Male	White	USA
Von Molnar	Stephan	DOCT	University of California, Riverside	99	9001	Professor	9	1	Dec-93	Male	White	USA
Wahl	Horst	DOCT	University of Vienna, Austria	99	9001	Professor	9	1	Dec-85	Male	White	USA
Xiong	Peng	DOCT	Brown University	99	9001	Professor	9	1	Oct-97	Male	Asian	USA
Yang	Kun	DOCT	Indiana University	99	9001	Professor	9	1	Aug-99	Male	Asian	USA
Zhou	Huan	DOCT	Drexel University	99	9001	Professor	9	1	Aug-02	Male	Asian	USA
Kemper	Kirby	DOCT	Indiana University	O1	9001	VP Research & Professor	9	1	Sep-71	Male	White	USA
Adams	Todd	DOCT	University of Notre Dame	99	9002	Associate Professor	9	1	Aug-01	Male	White	USA
Cao	Jianming	DOCT	University of Rochester, New York	99	9002	Associate Professor	9	1	Aug-98	Male	Asian	USA
Eugenio	Paul	DOCT	University of Massachusetts	99	9002	Associate Professor	9	1	Aug-01	Male	White	USA
Hoeflich	Peter	DOCT	University of Heidelberg, Germany	99	9002	Associate Professor	9	2	Aug-06	Male	White	USA
Lind	David	DOCT	Rice University	99	9002	Associate Professor	9	1	Aug-88	Male	White	USA
Ng	Hon Kie	DOCT	McMaster University, Canada	99	9002	Associate Professor	9	1	Oct-86	Male	Asian	Malaysia
Shaheen	Shahid	DOCT	University of Ruhr-Bochum, Germany	99	9002	Associate Professor	9	1	Oct-88	Male	Asian	Pakistan
Wiedenhoever	Ingo	DOCT	University of Cologne, Germany	99	9002	Associate Professor	9	1	Aug-01	Male	White	Germany
Chiorescu	Irinel	DOCT	Joseph Furier University, France	99	9003	Assistant Professor	9	2	Dec-04	Male	White	Romania
Crede	Paul	DOCT	University of Bonn, Germany	99	9003	Assistant Professor	9	2	Dec-04	Male	White	Germany
Fenley	Marcia	DOCT	Rutgers University	99	9003	Assistant Professor	9	2	Aug-05	Female	Hispanic	USA
Gerardy	Christopher	DOCT	Dartmouth College	99	9003	Assistant Professor	9	2	Aug-07	Male	White	USA
Rogachev	Grigory	DOCT	Kurchatov Institute, Russia	99	9003	Assistant Professor	9	2	Aug-04	Male	White	Russia
Vafek	Oskar	DOCT	Johns Hopkins University	99	9003	Assistant Professor	9	2	Aug-06	Male	White	USA
Volya	Alexander	DOCT	Michigan State University	99	9003	Assistant Professor	9	2	Aug-03	Male	White	Estonia
Wiebe	Christopher	DOCT	McMaster University, Canada	99	9003	Assistant Professor	9	2	Aug-05	Male	White	Canada
Caussyn	David	DOCT	Florida State University		9161	Associate Scholar/Scient	12	3	Mar-95	Male	White	USA
Frawley	Anthony	DOCT	Australian National University		9153	Staff Physicist	12	3	Aug-80	Male	White	USA
Hagopian	Sharon	DOCT	University of Pennsylvania		9153	Staff Physicist	12	3	Nov-75	Female	White	England
Myers	Edmund	DOCT	Oxford University, UK		9153	Staff Physicist	12	3	May-86	Male	White	USA
Reyes	Barbara	MAST	University of California		9121	Assistant in Teaching	12	3	Apr-02	Female	Asian	Philippines
Schmidt	Brian	BACH	Florida State University		9121	Assistant in Research	12	3	Jun-83	Male	White	USA
Spingler	David	BACH	Florida State University		9120	Associate in Research	12	3	Jul-89	Male	White	USA

Tenure Codes: 1=Tenured, 2= Tenure Track and 3= Not Tenure Track
Information provided by Lorena Barahona, Department of Physics, September 2008

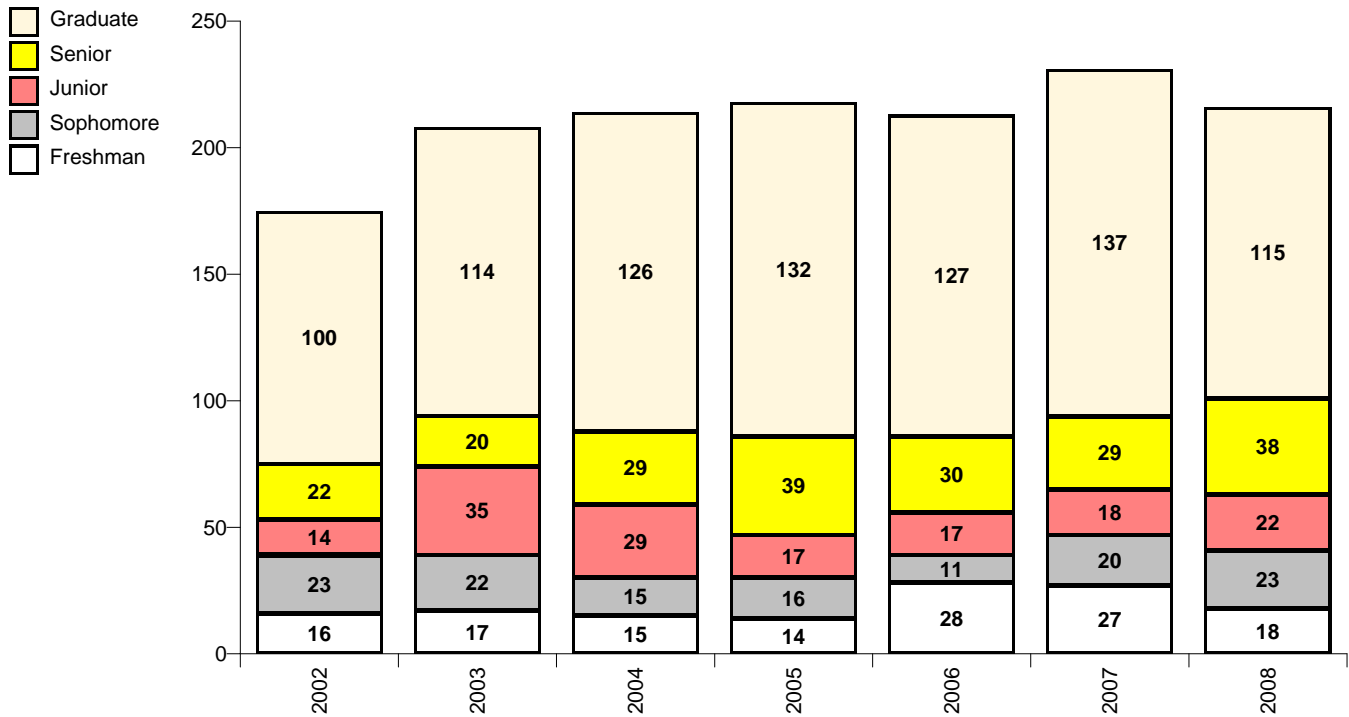
College of Arts & Sciences

Physics

Enrollment by Fall Semester

Physics

118110



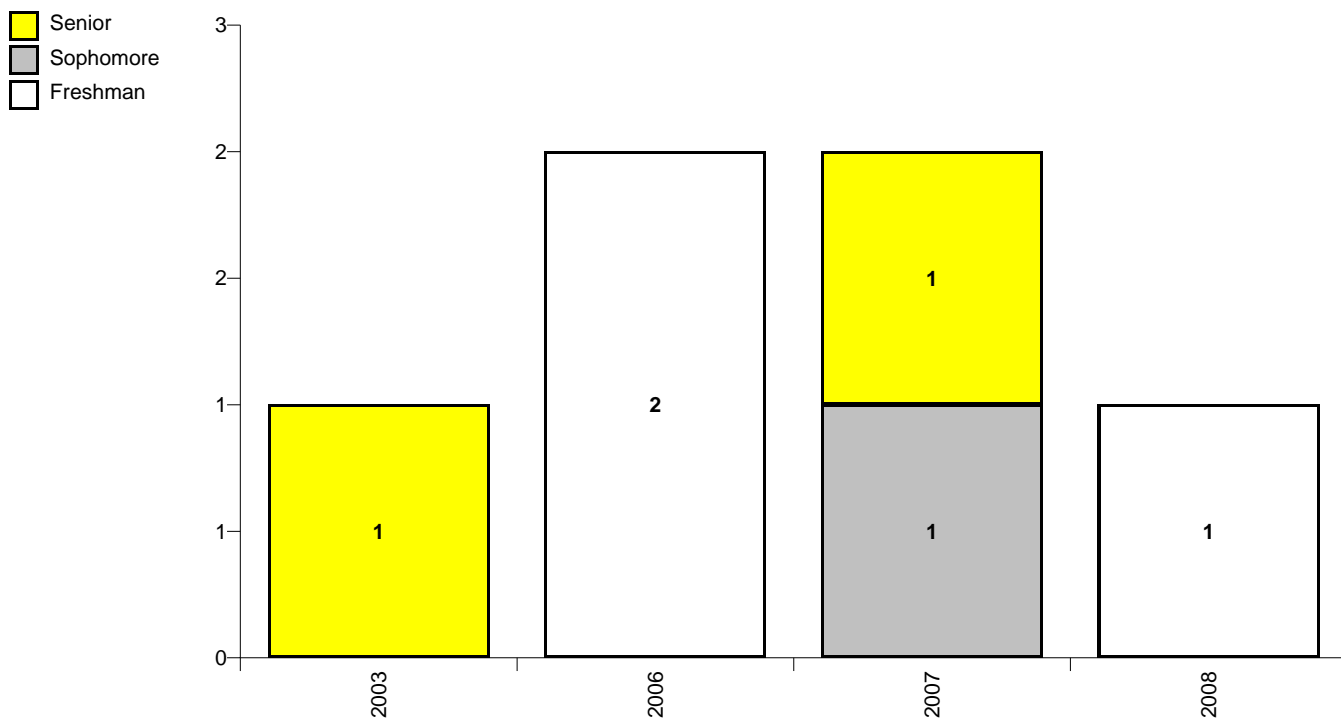
	2002	2003	2004	2005	2006	2007	2008
Freshman	16	17	15	14	28	27	18
Sophomore	23	22	15	16	11	20	23
Junior	14	35	29	17	17	18	22
Senior	22	20	29	39	30	29	38
Graduate - Masters	5	11	12	10	2	2	2
Graduate - Doctorate	95	103	114	122	125	135	113
Total	175	208	214	218	213	231	216

Source: Fall Preliminary Student Data Course Files

College of Arts & Sciences
Physics
Enrollment by Fall Semester

Physics - Biology

118121



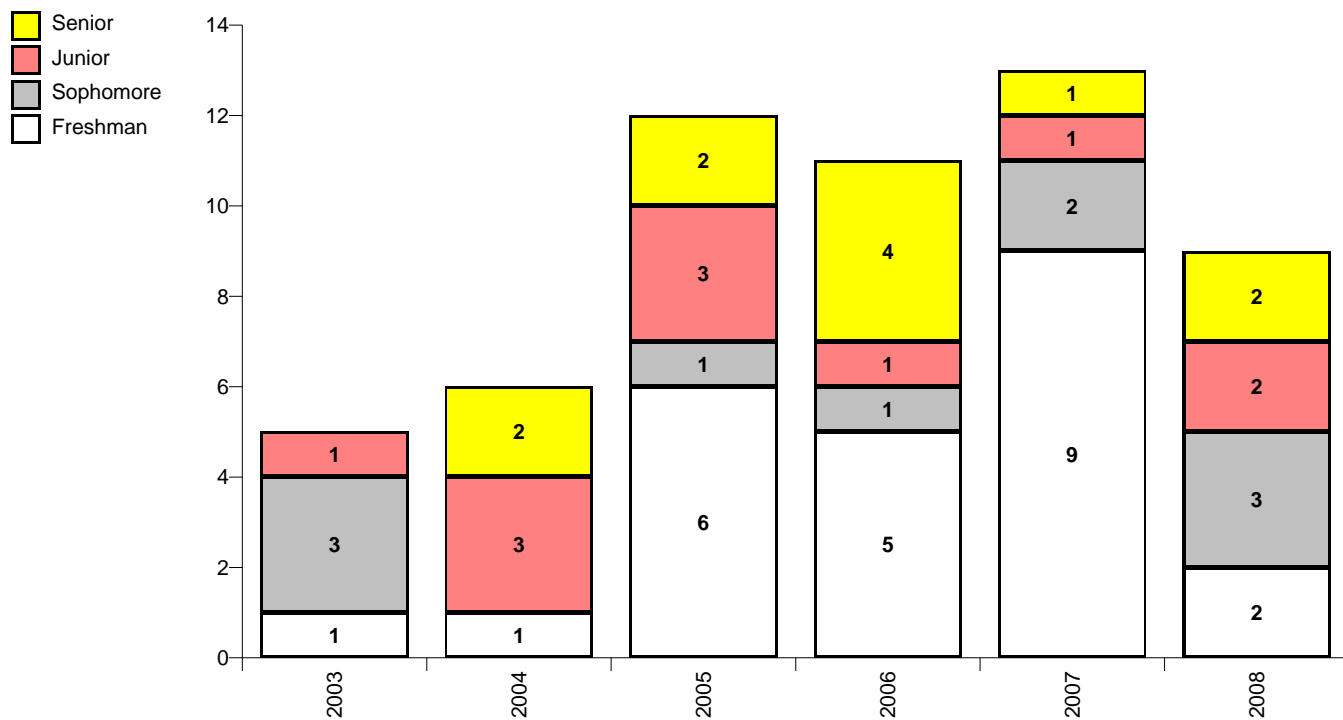
	2003	2006	2007	2008
Freshman		2		1
Sophomore			1	
Senior	1		1	
Total	1	2	2	1

Source: Fall Preliminary Student Data Course Files

College of Arts & Sciences
Physics
Enrollment by Fall Semester

Physics - Biology-Premed.

118122



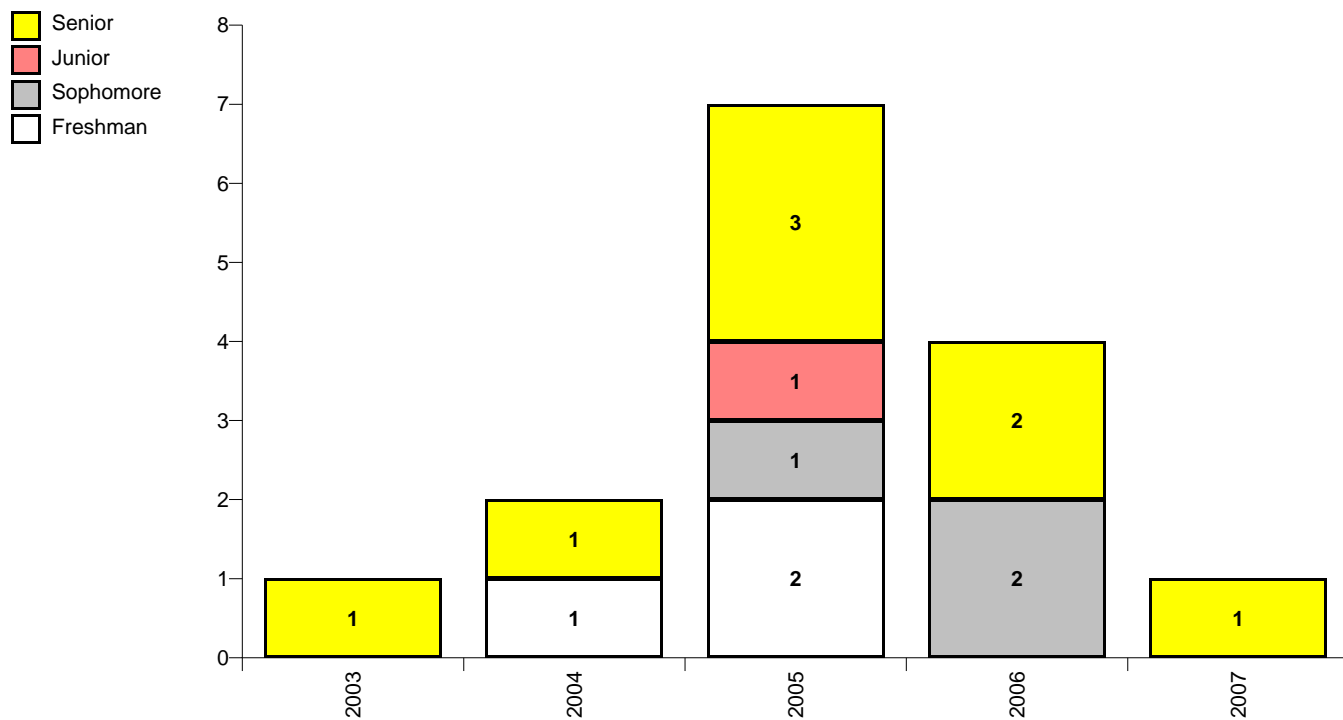
	2003	2004	2005	2006	2007	2008
Freshman	1	1	6	5	9	2
Sophomore	3		1	1	2	3
Junior	1	3	3	1	1	2
Senior		2	2	4	1	2
Total	5	6	12	11	13	9

Source: Fall Preliminary Student Data Course Files

College of Arts & Sciences
Physics
Enrollment by Fall Semester

Physics - Biophysics

118127



	2003	2004	2005	2006	2007
Freshman		1	2		
Sophomore			1	2	
Junior			1		
Senior	1	1	3	2	1
Total	1	2	7	4	1

Source: Fall Preliminary Student Data Course Files

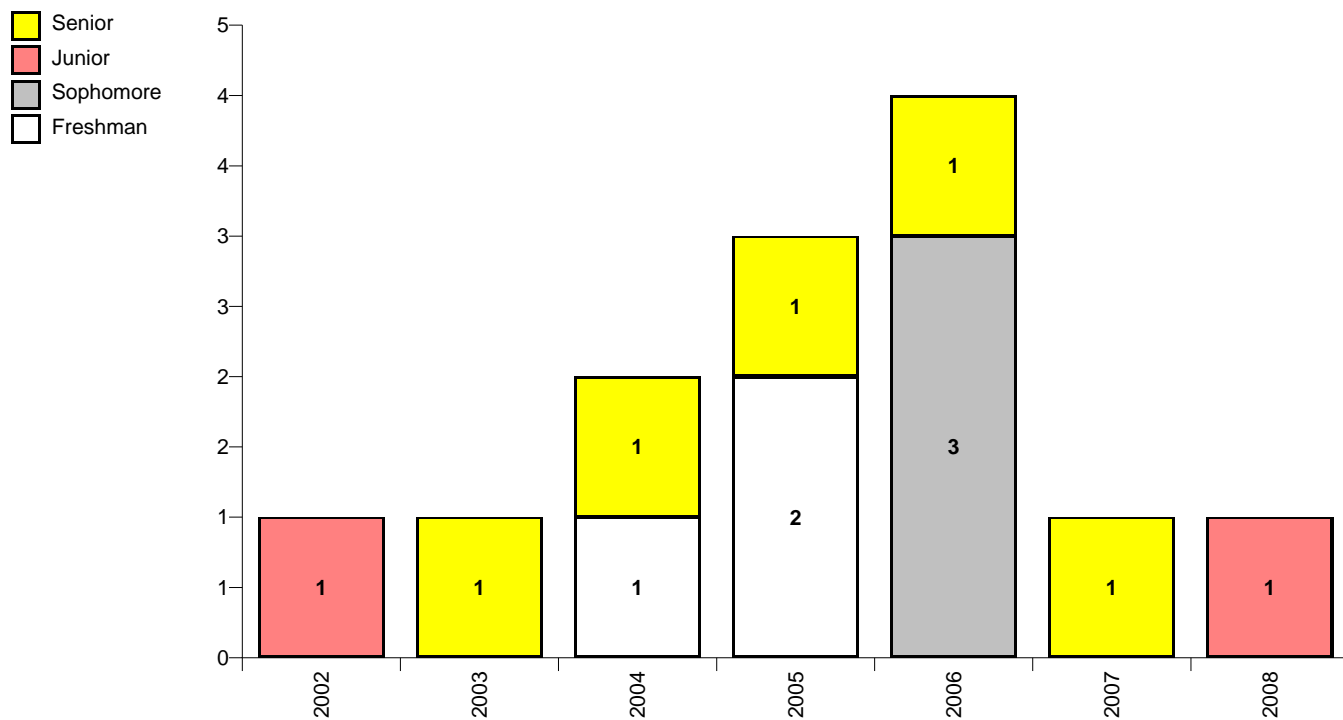
College of Arts & Sciences

Physics

Enrollment by Fall Semester

Physics - Computer Science

118185



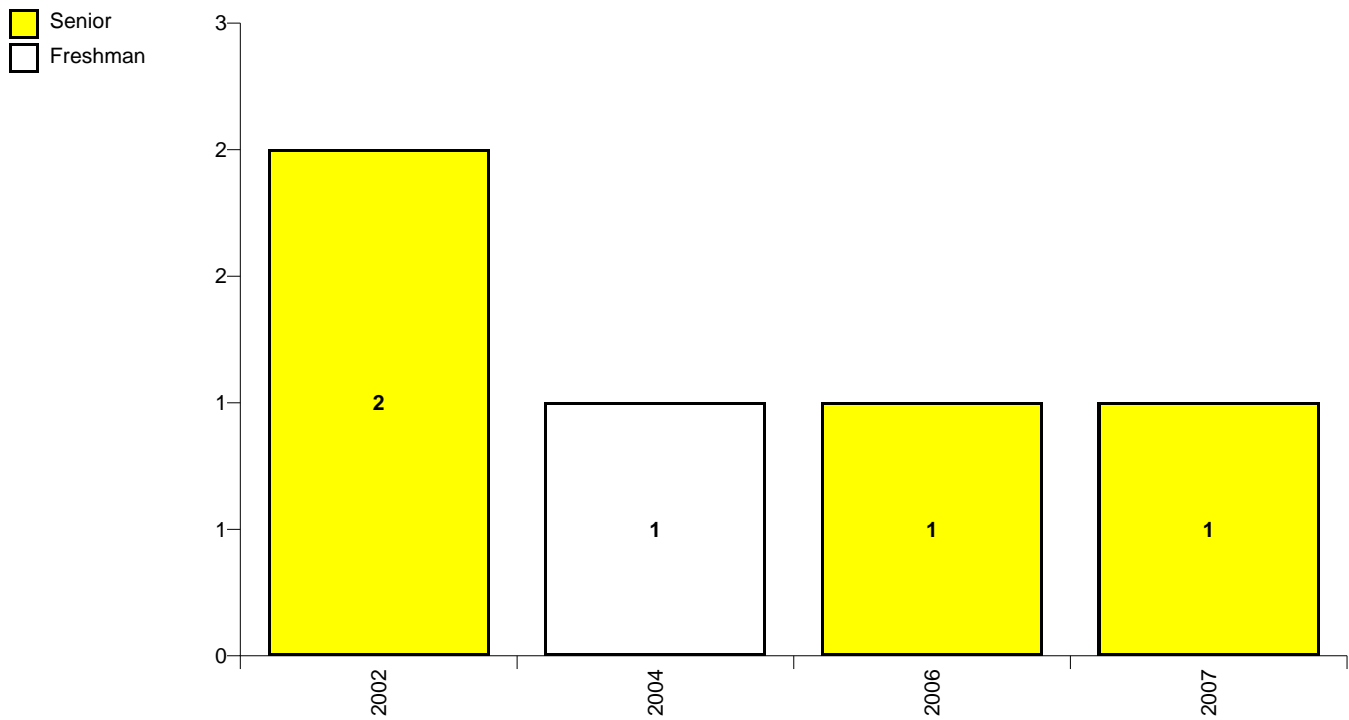
	2002	2003	2004	2005	2006	2007	2008
Freshman			1	2			
Sophomore					3		
Junior	1						1
Senior		1	1	1	1	1	
Total	1	1	2	3	4	1	1

Source: Fall Preliminary Student Data Course Files

College of Arts & Sciences
Physics
Enrollment by Fall Semester

Physics - Education

118150



	2002	2004	2006	2007
Freshman		1		
Senior	2		1	1
Total	2	1	1	1

Source: Fall Preliminary Student Data Course Files

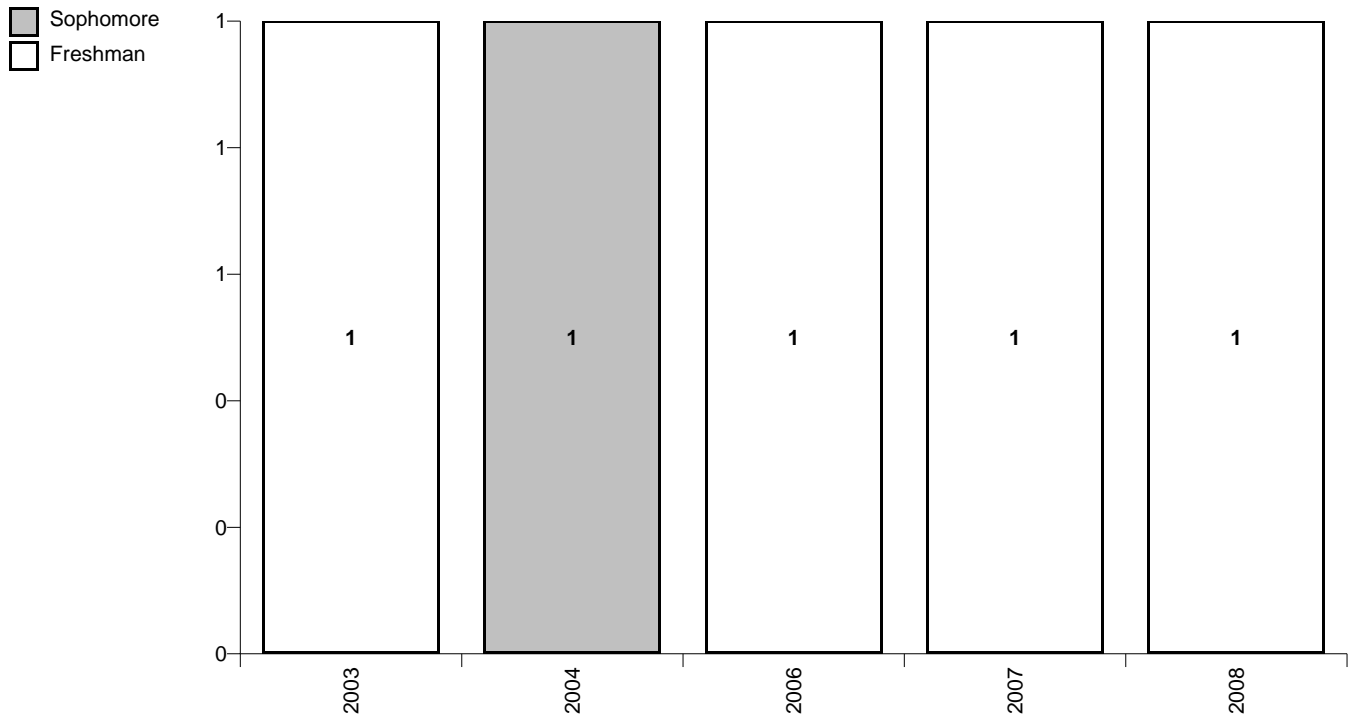
College of Arts & Sciences

Physics

Enrollment by Fall Semester

Physics - Environmental Science

118142



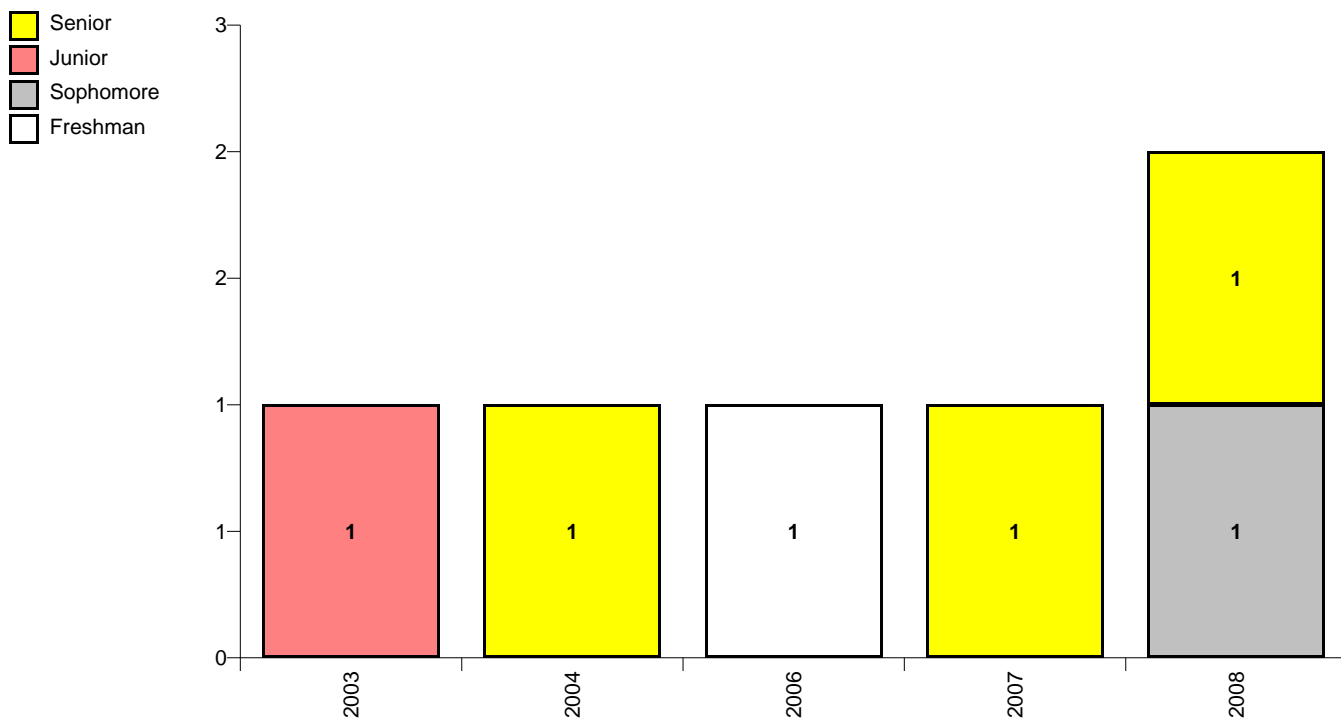
	2003	2004	2006	2007	2008
Freshman	1		1	1	1
Sophomore		1			
Total	1	1	1	1	1

Source: *Fall Preliminary Student Data Course Files*

College of Arts & Sciences
Physics
Enrollment by Fall Semester

Physics - Geology

118146



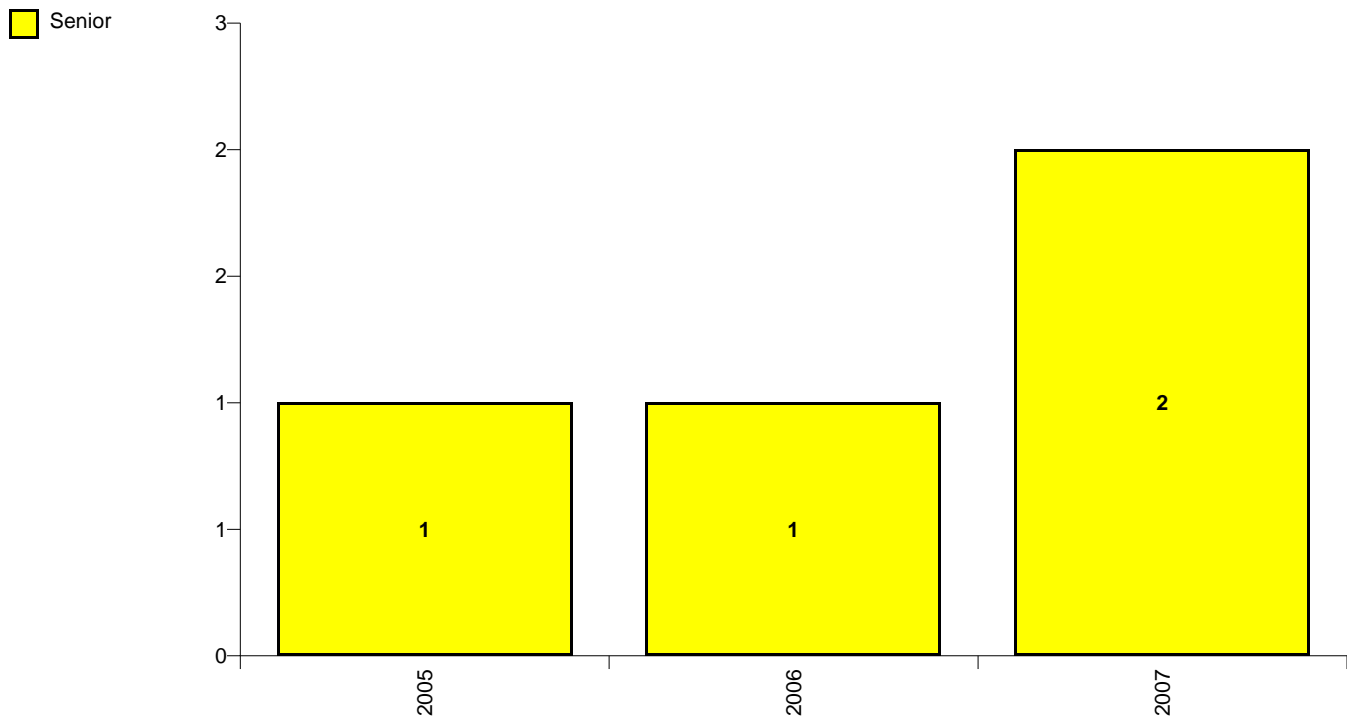
	2003	2004	2006	2007	2008
Freshman			1		
Sophomore					1
Junior	1				
Senior		1		1	1
Total	1	1	1	1	2

Source: Fall Preliminary Student Data Course Files

College of Arts & Sciences
Physics
Enrollment by Fall Semester

Physics - Government

118195



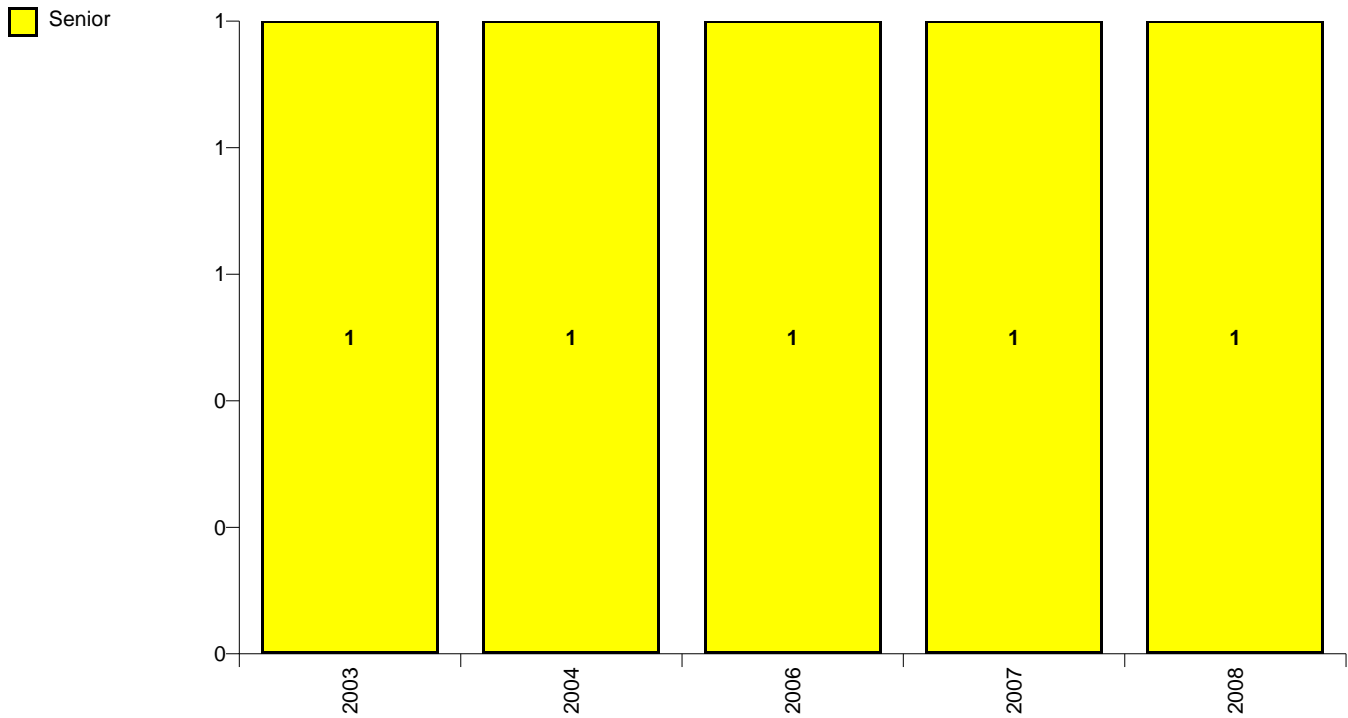
	2005	2006	2007
Senior	1	1	2
Total	1	1	2

Source: Fall Preliminary Student Data Course Files

College of Arts & Sciences
Physics
Enrollment by Fall Semester

Physics - Health Physics

118125



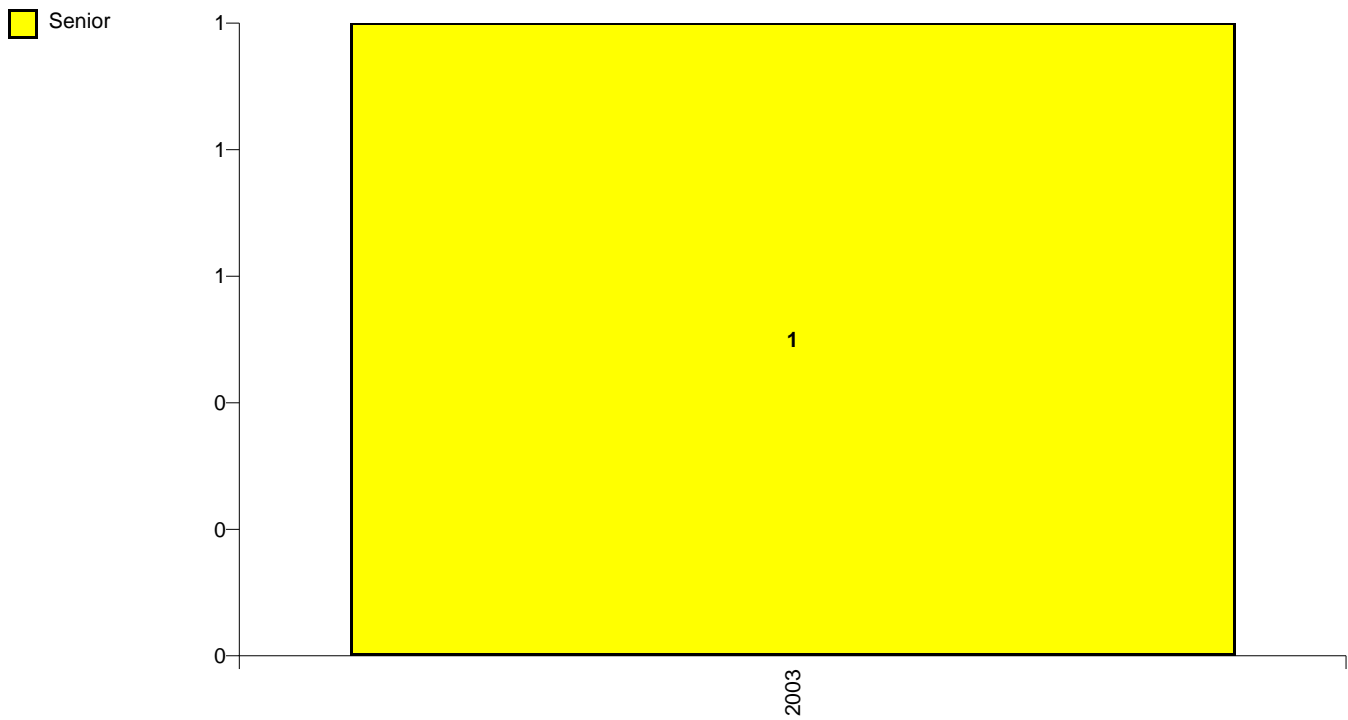
	2003	2004	2006	2007	2008
Senior	1	1	1	1	1
Total	1	1	1	1	1

Source: *Fall Preliminary Student Data Course Files*

College of Arts & Sciences
Physics
Enrollment by Fall Semester

Physics - Management

118132



	2003
Senior	1
Total	1

Source: *Fall Preliminary Student Data Course Files*

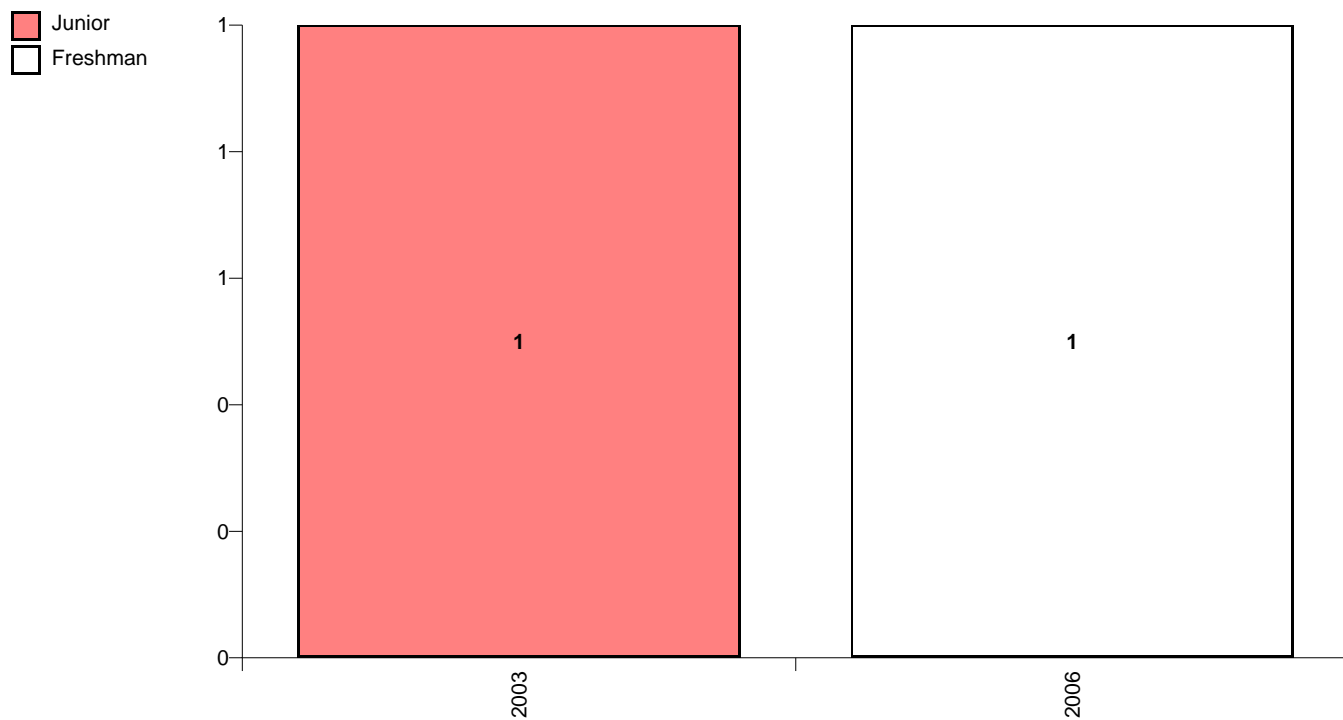
College of Arts & Sciences

Physics

Enrollment by Fall Semester

Physics - Music Technology

118160



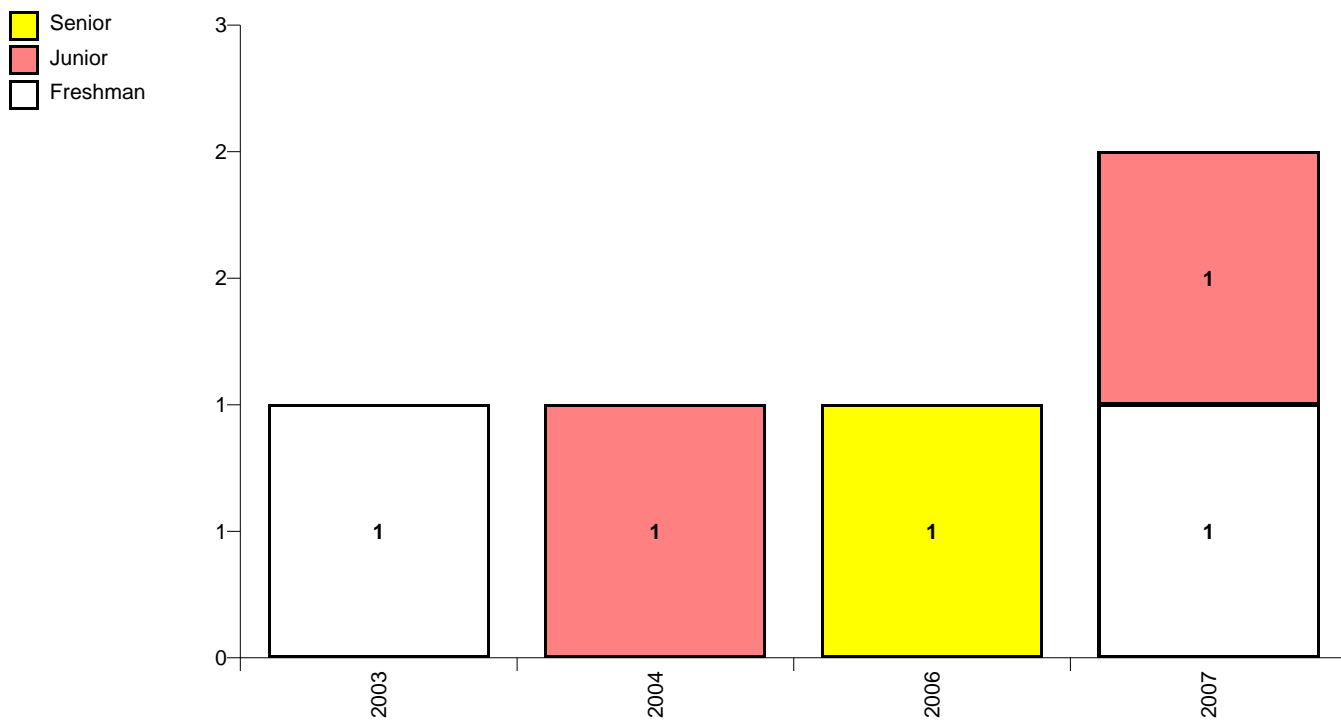
	2003	2006
Freshman		1
Junior	1	
Total	1	1

Source: *Fall Preliminary Student Data Course Files*

College of Arts & Sciences
Physics
Enrollment by Fall Semester

Physics - Oceanography

118144



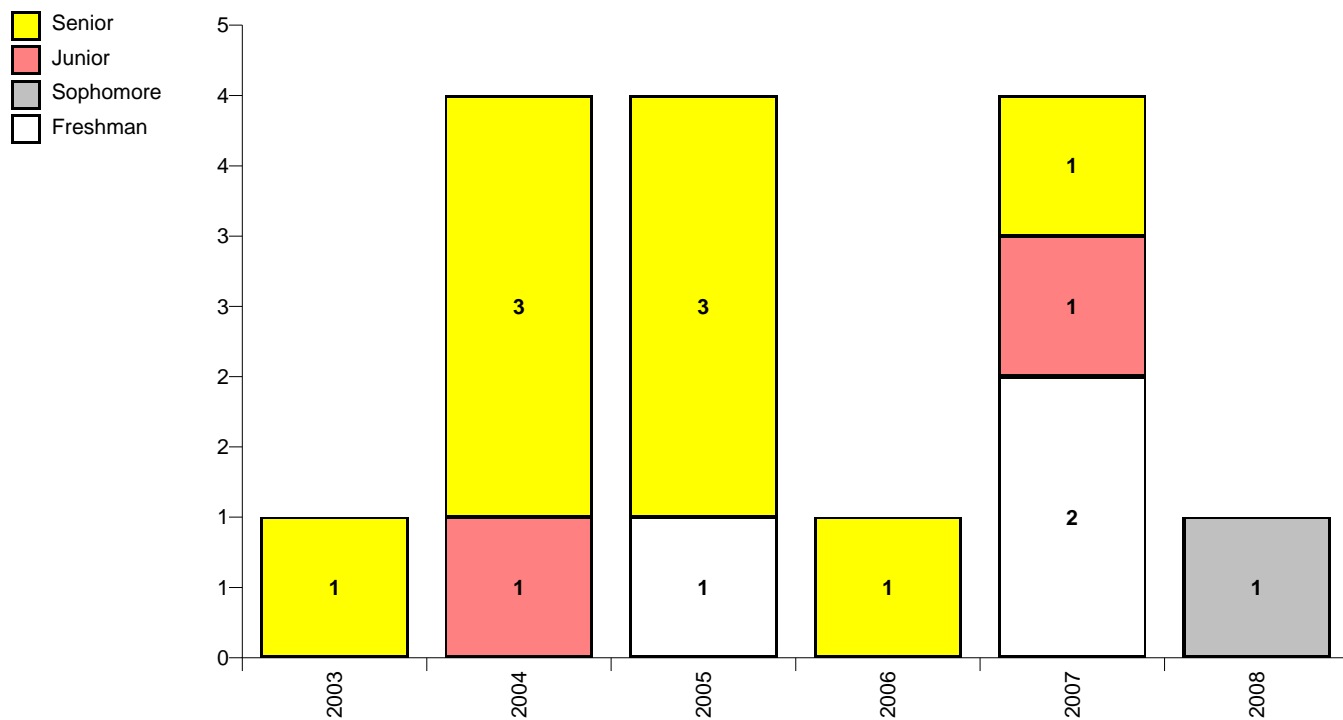
	2003	2004	2006	2007
Freshman	1			1
Junior		1		1
Senior			1	
Total	1	1	1	2

Source: Fall Preliminary Student Data Course Files

College of Arts & Sciences
Physics
Enrollment by Fall Semester

Physics - Philosophy

118165



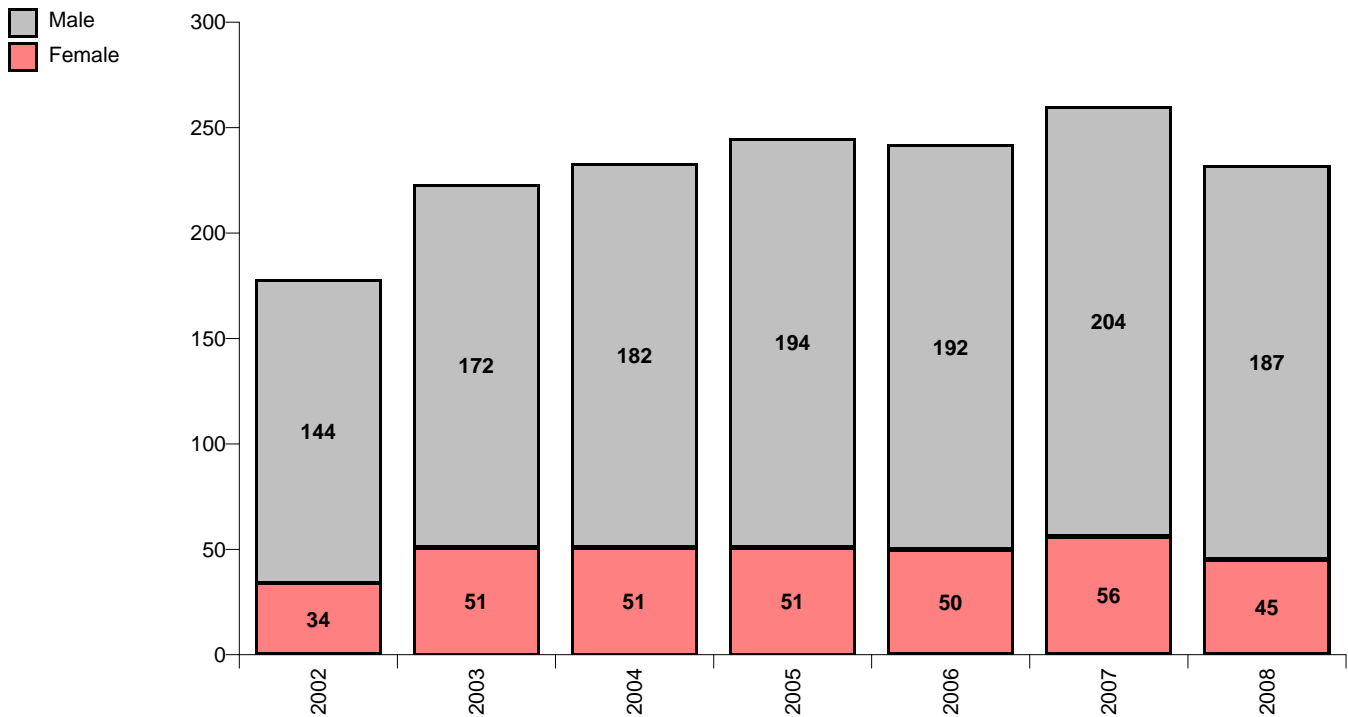
	2003	2004	2005	2006	2007	2008
Freshman			1		2	
Sophomore						1
Junior		1			1	
Senior	1	3	3	1	1	
Total	1	4	4	1	4	1

Source: Fall Preliminary Student Data Course Files

College of Arts & Sciences

Physics

Enrollment by Fall Semester



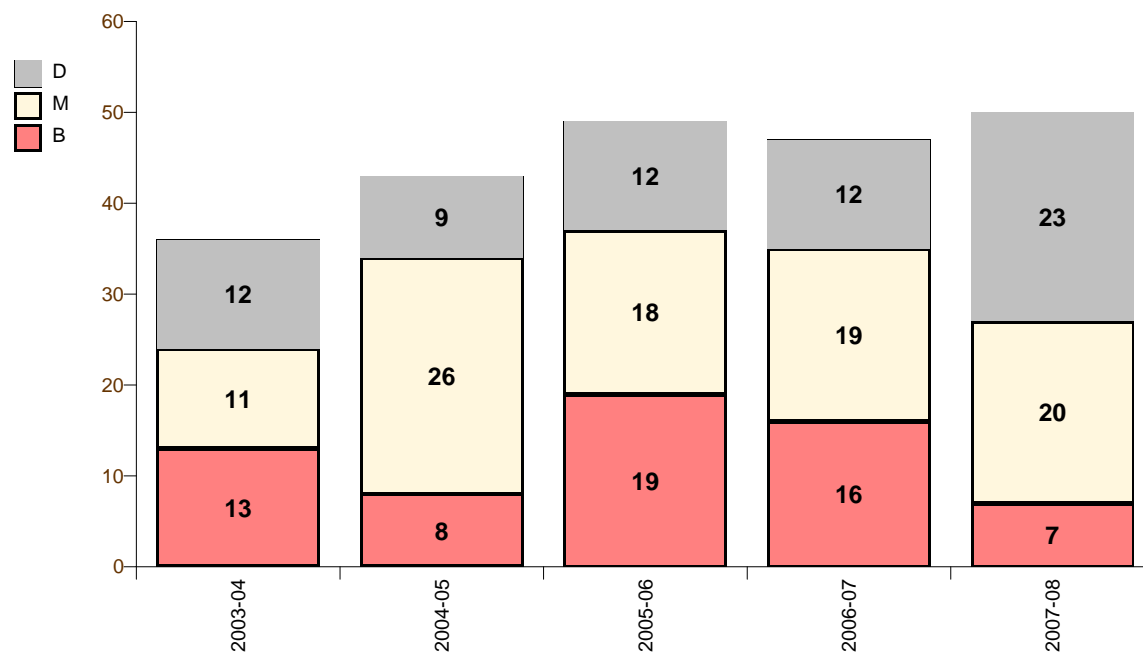
		2002	2003	2004	2005	2006	2007	2008
Female	American Indian or Native Alaskan					1		
	Asian or Pacific Islander	1	1	1	1	1	3	5
	Black	3	6	8	4	2	2	2
	Hispanic	3	5	4	2	3	5	6
	Non-Resident Alien	10	12	11	15	15	14	13
	White	16	26	25	27	27	32	19
	Not Reported	1	1	2	2	1		
	Total	34	51	51	51	50	56	45
Male	American Indian or Native Alaskan			1	1	2	3	3
	Asian or Pacific Islander	4	4	3	7	6	9	6
	Black	3	3	5	9	6	5	2
	Hispanic	7	8	8	7	5	10	8
	Non-Resident Alien	54	60	61	60	61	57	45
	White	74	94	99	106	108	115	118
	Not Reported	2	3	5	4	4	5	5
	Total	144	172	182	194	192	204	187
Department Total		178	223	233	245	242	260	232

Note: Department totals include students in doctorate program.

Source: Fall Preliminary Student Data Course Files

**COLLEGE OF ARTS & SCIENCES
PHYSICS
DEGREES AWARDED BY SEMESTER**

CIP Code: 400801



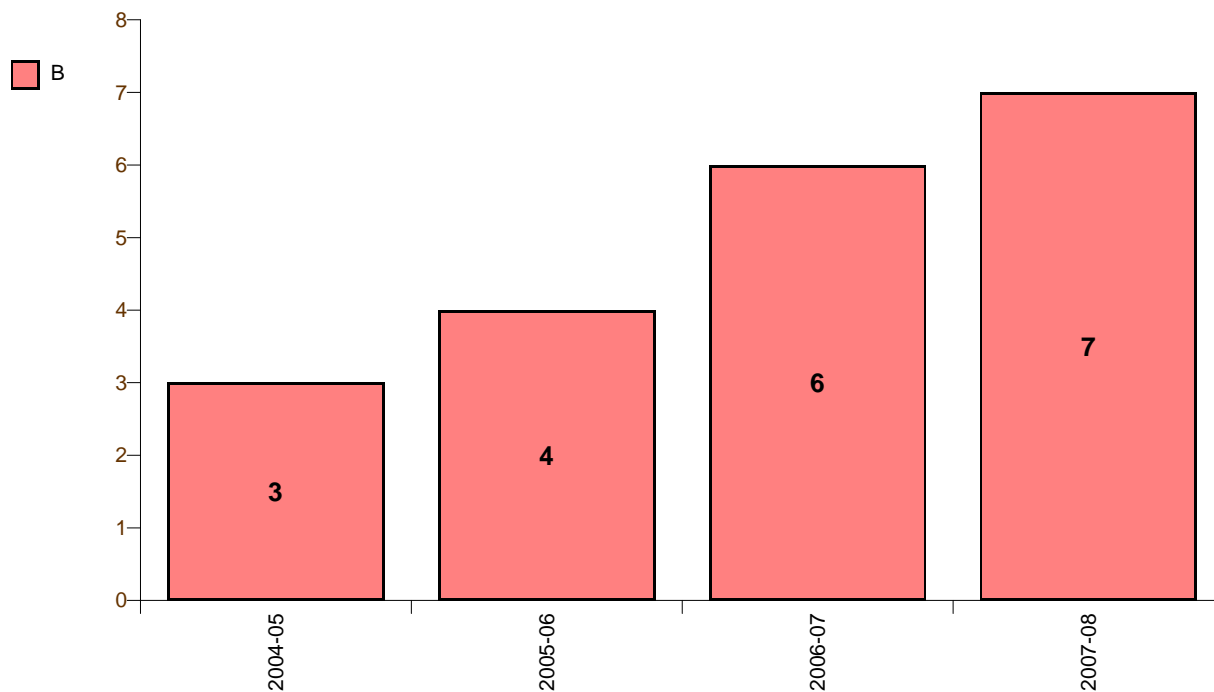
		Bachelors	Masters	Doctorate	Total
2003-04	Summer '03	3	2	6	11
	Fall '03	3	5	2	10
	Spring '04	7	4	4	15
2003-04	Total	13	11	12	36
2004-05	Summer '04	2	4	3	9
	Fall '04	3	11	5	19
	Spring '05	3	11	1	15
2004-05	Total	8	26	9	43
2005-06	Summer '05	2	2	7	11
	Fall '05	5	9		14
	Spring '06	12	7	5	24
2005-06	Total	19	18	12	49
2006-07	Summer '06	3	7	5	15
	Fall '06	3	2	3	8
	Spring '07	10	10	4	24
2006-07	Total	16	19	12	47
2007-08	Summer '07	2	8	8	18
	Fall '07	2	8	8	18
	Spring '08	3	4	7	14
2007-08	Total	7	20	23	50

Note: One spring 2008 bachelor's degree was posted late and is not included in the 2007-08 totals.

Source: Final Student Data Course Files (SDCF)

**COLLEGE OF ARTS & SCIENCES
PHYSICS
DEGREES AWARDED BY SEMESTER**

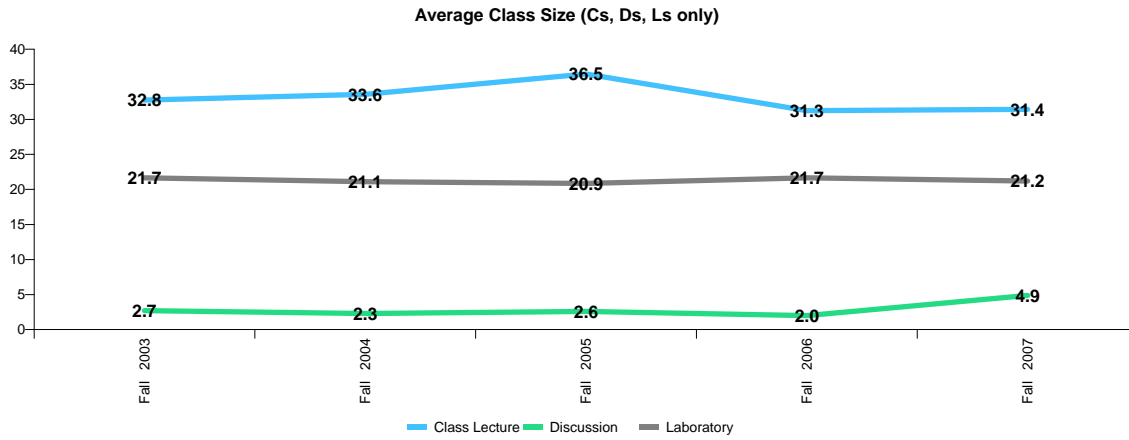
CIP Code: 400899



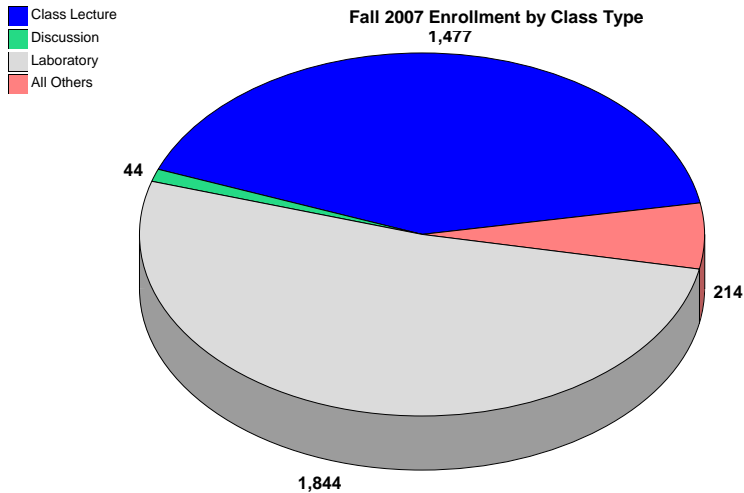
		Bachelors	Total
2004-05	<i>Spring '05</i>	3	3
2004-05	Total	3	3
2005-06	<i>Summer '05</i>	2	2
	<i>Fall '05</i>	2	2
2005-06	Total	4	4
2006-07	<i>Summer '06</i>	1	1
	<i>Fall '06</i>	1	1
	<i>Spring '07</i>	4	4
2006-07	Total	6	6
2007-08	<i>Summer '07</i>	2	2
	<i>Fall '07</i>	1	1
	<i>Spring '08</i>	4	4
2007-08	Total	7	7

Source: Final Student Data Course Files (SDCF)

**COLLEGE OF ARTS & SCIENCES
PHYSICS
AVERAGE CLASS SIZE**



		Class Lecture			Discussion			Laboratory		
		Enrollment	Number of Sections	Class Size	Enrollment	Number of Sections	Class Size	Enrollment	Number of Sections	Class Size
Fall 2003	Lower	1,080	25	43.2	14	6	2.3	1,425	63	22.6
	Upper	165	7	23.6				23	3	7.7
	Graduate	196	12	16.3	5	1	5.0	3	1	3.0
	Total	1,441	44	32.8	19	7	2.7	1,451	67	21.7
Fall 2004	Lower	1,016	20	50.8	10	6	1.7	1,296	59	22.0
	Upper	178	9	19.8				32	3	10.7
	Graduate	182	12	15.2	6	1	6.0	1	1	1.0
	Total	1,376	41	33.6	16	7	2.3	1,329	63	21.1
Fall 2005	Lower	1,218	24	50.8	22	9	2.4	1,319	61	21.6
	Upper	150	6	25.0				36	3	12.0
	Graduate	164	12	13.7	4	1	4.0	1	1	1.0
	Total	1,532	42	36.5	26	10	2.6	1,356	65	20.9
Fall 2006	Lower	1,165	28	41.6	13	6	2.2	1,340	61	22.0
	Upper	174	8	21.8				25	2	12.5
	Graduate	130	11	11.8	1	1	1.0			
	Total	1,469	47	31.3	14	7	2.0	1,365	63	21.7
Fall 2007	Lower	1,141	26	43.9	14	8	1.8	1,821	85	21.4
	Upper	170	8	21.3				23	2	11.5
	Graduate	166	13	12.8	30	1	30.0			
	Total	1,477	47	31.4	44	9	4.9	1,844	87	21.2



**College of Arts & Sciences
Physics
Fundable Student Credit Hours and FTE**

SCH Produced

Summer

Level	2004	2005	2006	2007
Lower	1,788	2,122	2,021	1,817
Upper	7	10	6	12
Grad I	356	368	212	209
Grad II	701	885	971	966
Total	2,852	3,385	3,210	3,004

Fall

Level	2004	2005	2006	2007
Lower	6,002	6,697	6,594	6,621
Upper	566	520	580	565
Grad I	508	381	381	535
Grad II	745	942	1,022	1,106
Total	7,821	8,540	8,577	8,827

Spring

Level	2005	2006	2007	2008
Lower	6,353	6,746	5,904	6,555
Upper	663	703	629	751
Grad I	261	195	177	256
Grad II	848	949	1,093	910
Total	8,125	8,593	7,803	8,472

Fall & Spring

Level	2004-05	2005-06	2006-07	2007-08
Lower	12,355	13,443	12,498	13,176
Upper	1,229	1,223	1,209	1,316
Grad I	769	576	558	791
Grad II	1,593	1,891	2,115	2,016
Total	15,946	17,133	16,380	17,299

Annual

Level	2004-05	2005-06	2006-07	2007-08
Lower	14,143	15,565	14,519	14,993
Upper	1,236	1,233	1,215	1,328
Grad I	1,125	944	770	1,000
Grad II	2,294	2,776	3,086	2,982
Total	18,798	20,518	19,590	20,303

Annual FTE Contribution

Summer

Level	2004	2005	2006	2007
Lower	44.7	53.1	50.5	45.4
Upper	0.2	0.3	0.2	0.3
Grad I	11.1	11.5	6.6	6.5
Grad II	21.9	27.7	30.3	30.2
Total	77.9	92.5	87.6	82.4

Fall

Level	2004	2005	2006	2007
Lower	150.1	167.4	164.9	165.5
Upper	14.2	13.0	14.5	14.1
Grad I	15.9	11.9	11.9	16.7
Grad II	23.3	29.4	31.9	34.6
Total	203.4	221.8	223.2	230.9

Spring

Level	2005	2006	2007	2008
Lower	158.8	168.7	147.6	163.9
Upper	16.6	17.6	15.7	18.8
Grad I	8.2	6.1	5.5	8.0
Grad II	26.5	29.7	34.2	28.4
Total	210.1	222.0	203.0	219.1

Fall & Spring

Level	2004-05	2005-06	2006-07	2007-08
Lower	308.9	336.1	312.5	329.4
Upper	30.7	30.6	30.2	32.9
Grad I	24.0	18.0	17.4	24.7
Grad II	49.8	59.1	66.1	63.0
Total	413.4	443.7	426.2	450.0

Annual

Level	2004-05	2005-06	2006-07	2007-08
Lower	353.6	389.1	363.0	374.8
Upper	30.9	30.8	30.4	33.2
Grad I	35.2	29.5	24.1	31.3
Grad II	71.7	86.8	96.4	93.2
Total	491.3	536.2	513.9	532.5

Source: Final Student Data Course Files

Note: Lower and Upper hours are divided by 40 to obtain annual FTE; for Graduate I, Graduate II and Graduate III, hours are divided by 32

Distribution of Annual FTE by Semester Within Year

	2004-05	2005-06	2006-07	2007-08
Summer	15.2%	16.5%	16.4%	14.8%
Fall	41.6%	41.6%	43.8%	43.5%
Spring	43.2%	41.9%	39.8%	41.7%
	100.0%	100.0%	100.0%	100.0%

**College of Arts & Sciences
Physics
Non-Fundable Student Credit Hours and FTE**

SCH Produced

Summer

Level	2004	2005	2006	2007
Lower	102	83	175	127
Upper	0	0	9	0
Grad I	0	0	0	2
Grad II	0	0	0	0
Total	102	83	184	129

Fall

Level	2004	2005	2006	2007
Lower	100	187	169	124
Upper	8	4	3	6
Grad I	0	0	0	0
Grad II	0	0	0	0
Total	108	191	172	130

Spring

Level	2005	2006	2007	2008
Lower	89	197	154	126
Upper	10	4	3	9
Grad I	1	0	0	0
Grad II	0	0	0	0
Total	100	201	157	135

Fall & Spring

Level	2004-05	2005-06	2006-07	2007-08
Lower	189	384	323	250
Upper	18	8	6	15
Grad I	1	0	0	0
Grad II	0	0	0	0
Total	208	392	329	265

Annual

Level	2004-05	2005-06	2006-07	2007-08
Lower	291	467	498	377
Upper	18	8	15	15
Grad I	1	0	0	2
Grad II	0	0	0	0
Total	310	475	513	394

Annual FTE Contribution

Summer

Level	2004	2005	2006	2007
Lower	2.6	2.1	4.4	3.2
Upper	0.0	0.0	0.2	0.0
Grad I	0.0	0.0	0.0	0.1
Grad II	0.0	0.0	0.0	0.0
Total	2.6	2.1	4.6	3.2

Fall

Level	2004	2005	2006	2007
Lower	2.5	4.7	4.2	3.1
Upper	0.2	0.1	0.1	0.2
Grad I	0.0	0.0	0.0	0.0
Grad II	0.0	0.0	0.0	0.0
Total	2.7	4.8	4.3	3.3

Spring

Level	2005	2006	2007	2008
Lower	2.2	4.9	3.9	3.2
Upper	0.3	0.1	0.1	0.2
Grad I	0.0	0.0	0.0	0.0
Grad II	0.0	0.0	0.0	0.0
Total	2.5	5.0	3.9	3.4

Fall & Spring

Level	2004-05	2005-06	2006-07	2007-08
Lower	4.7	9.6	8.1	6.3
Upper	0.5	0.2	0.2	0.4
Grad I	0.0	0.0	0.0	0.0
Grad II	0.0	0.0	0.0	0.0
Total	5.2	9.8	8.2	6.6

Annual

Level	2004-05	2005-06	2006-07	2007-08
Lower	7.3	11.7	12.5	9.4
Upper	0.5	0.2	0.4	0.4
Grad I	0.0	0.0	0.0	0.1
Grad II	0.0	0.0	0.0	0.0
Total	7.8	11.9	12.8	9.9

Source: Final Student Data Course Files

Note: Lower and Upper hours are divided by 40 to obtain annual FTE; for Graduate I, Graduate II and Graduate III, hours are divided by 32

Distribution of Annual FTE by Semester Within Year

	2004-05	2005-06	2006-07	2007-08
Summer	32.9%	17.5%	35.9%	32.7%
Fall	34.8%	40.2%	33.5%	33.0%
Spring	32.3%	42.3%	30.6%	34.3%
Total	100.0%	100.0%	100.0%	100.0%

**College of Arts & Sciences
Physics
Total Student Credit Hours and FTE**

SCH Produced

Summer

Level	2004	2005	2006	2007
Lower	1,890	2,205	2,196	1,944
Upper	7	10	15	12
Grad I	356	368	212	211
Grad II	701	885	971	966
Total	2,954	3,468	3,394	3,133

Fall

Level	2004	2005	2006	2007
Lower	6,102	6,884	6,763	6,745
Upper	574	524	583	571
Grad I	508	381	381	535
Grad II	745	942	1,022	1,106
Total	7,929	8,731	8,749	8,957

Spring

Level	2005	2006	2007	2008
Lower	6,442	6,943	6,058	6,681
Upper	673	707	632	760
Grad I	262	195	177	256
Grad II	848	949	1,093	910
Total	8,225	8,794	7,960	8,607

Fall & Spring

Level	2004-05	2005-06	2006-07	2007-08
Lower	12,544	13,827	12,821	13,426
Upper	1,247	1,231	1,215	1,331
Grad I	770	576	558	791
Grad II	1,593	1,891	2,115	2,016
Total	16,154	17,525	16,709	17,564

Annual

Level	2004-05	2005-06	2006-07	2007-08
Lower	14,434	16,032	15,017	15,370
Upper	1,254	1,241	1,230	1,343
Grad I	1,126	944	770	1,002
Grad II	2,294	2,776	3,086	2,982
Total	19,108	20,993	20,103	20,697

Annual FTE Contribution

Summer

Level	2004	2005	2006	2007
Lower	47.3	55.1	54.9	48.6
Upper	0.2	0.3	0.4	0.3
Grad I	11.1	11.5	6.6	6.6
Grad II	21.9	27.7	30.3	30.2
Total	80.5	94.5	92.2	85.7

Fall

Level	2004	2005	2006	2007
Lower	152.6	172.1	169.1	168.6
Upper	14.4	13.1	14.6	14.3
Grad I	15.9	11.9	11.9	16.7
Grad II	23.3	29.4	31.9	34.6
Total	206.1	226.5	227.5	234.2

Spring

Level	2005	2006	2007	2008
Lower	161.1	173.6	151.5	167.0
Upper	16.8	17.7	15.8	19.0
Grad I	8.2	6.1	5.5	8.0
Grad II	26.5	29.7	34.2	28.4
Total	212.6	227.0	206.9	222.5

Fall & Spring

Level	2004-05	2005-06	2006-07	2007-08
Lower	313.6	345.7	320.5	335.7
Upper	31.2	30.8	30.4	33.3
Grad I	24.1	18.0	17.4	24.7
Grad II	49.8	59.1	66.1	63.0
Total	418.6	453.5	434.4	456.6

Annual

Level	2004-05	2005-06	2006-07	2007-08
Lower	360.9	400.8	375.4	384.3
Upper	31.4	31.0	30.8	33.6
Grad I	35.2	29.5	24.1	31.3
Grad II	71.7	86.8	96.4	93.2
Total	499.1	548.1	526.7	542.3

Source: Final Student Data Course Files

Note: Lower and Upper hours are divided by 40 to obtain annual FTE; for Graduate I, Graduate II and Graduate III, hours are divided by 32

Distribution of Annual FTE by Semester Within Year

	2004-05	2005-06	2006-07	2007-08
Summer	15.5%	16.5%	16.9%	15.1%
Fall	41.5%	41.6%	43.5%	43.3%
Spring	43.0%	41.9%	39.6%	41.6%
Total	100.0%	100.0%	100.0%	100.0%

Department of Physics
E & G Student Credit Hours and Headcount Productivity
By Instructor Type

	Student			Headcount/			Student			Headcount/	
	FTE	Credit Hrs	SCH/FTE	Headcount	FTE		FTE	Credit Hrs	SCH/FTE	Headcount	FTE
<u>Fall 2003</u>						<u>Spring 2004</u>					
Faculty	39.36	6508.2	165.4	2005	50.9	Faculty	38	6595.9	173.6	1863	49.0
OPS Regular Faculty	0	0	0.0	0	0.0	OPS Regular Faculty	0	0	0.0	0	0.0
OPS Faculty Adjuncts	1.18	263.4	223.2	74	62.7	OPS Faculty Adjuncts	0.98	159.4	162.7	54	55.1
Graduate Assistants	15.02	386.4	25.7	539	35.9	Graduate Assistants	16.29	379.3	23.3	502	30.8
A & P / USPS	0	0	0.0	0	0.0	A & P / USPS	0.6	154.2	257.0	34	56.7
Others	0.89	438	492.1	126	141.6	Others	1.54	263.4	171.0	66	42.9
	56.45	7596	134.6	2744	48.6		57.41	7552.2	131.5	2519	43.9
<u>Fall 2004</u>						<u>Spring 2005</u>					
Faculty	37	6,280.9	169.8	1,921	51.9	Faculty	38.48	6,460.0	167.9	2,004	52.1
OPS Regular Faculty	0	0.0	0.0	0	0.0	OPS Regular Faculty	0.3	0.0	0.0	0	0.0
OPS Faculty Adjuncts	0.9	102.0	113.3	25	27.8	OPS Faculty Adjuncts	1.09	235.0	215.6	47	43.1
Graduate Assistants	17.36	794.8	45.8	592	34.1	Graduate Assistants	18.9	687.5	36.4	507	26.8
A & P / USPS	0	0.0	0.0	0	0.0	A & P / USPS	0	0.0	0.0	0	0.0
Others	1.6	616.0	385.0	143	89.4	Others	2.39	662.8	277.3	192	80.3
	56.86	7,793.7	137.1	2,681	47.2		61.16	8,045.3	131.5	2,750	45.0
<u>Fall 2005</u>						<u>Spring 2006</u>					
Faculty	41.72	6,366.0	152.6	1,915	45.9	Faculty	43.27	7,037.7	162.6	2,100	48.5
OPS Regular Faculty	0.7	135.0	192.9	43	61.4	OPS Regular Faculty	0.3	42.0	140.0	13	43.3
OPS Faculty Adjuncts	0	0.0	0.0	0	0.0	OPS Faculty Adjuncts	0.3	52.0	173.3	10	33.3
Graduate Assistants	20.65	1,853.5	89.8	927	44.9	Graduate Assistants	20.93	1,415.3	67.6	824	39.4
A & P / USPS	0	0.0	0.0	0	0.0	A & P / USPS	0	0.0	0.0	0	0.0
Others	0.24	172.5	718.8	57	237.5	Others	0	0.0	0.0	0	0.0
	63.31	8,527.0	134.7	2,942	46.5		64.8	8,547.0	131.9	2,947	45.5
<u>Fall 2006</u>						<u>Spring 2007</u>					
Faculty	41.4175	7,610.3	183.7	2,301.0	55.6	Faculty	47.629	7,173.2	150.6	2,292	48.1
OPS Regular Faculty	0	0.0	0.0	0.0	0.0	OPS Regular Faculty	0	0.0	0.0	0	0.0
OPS Faculty Adjuncts	0.67	0.0	0.0	0.0	0.0	OPS Faculty Adjuncts	0.8	186.0	232.5	46	57.5
Graduate Assistants	19.71	932.2	47.3	629.0	31.9	Graduate Assistants	20.98	244.8	11.7	651	31.0
A & P / USPS	0	0.0	0.0	0.0	0.0	A & P / USPS	0	0.0	0.0	0	0.0
Others	0	0.0	0.0	0.0	0.0	Others	0	0.0	0.0	0	0.0
	61.7975	8,542.5	138.2	2,930	47.4		69.409	7,604.0	109.6	2,989	43.1
<u>Fall 2007</u>						<u>Spring 2008</u>					
Faculty	49.75	8,426.2	169.4	2,570.0	51.7	Faculty	48.9105	8,332.1	170.4	3,342	68.3
OPS Regular Faculty	0.3	204.0	680.0	50.0	166.7	OPS Regular Faculty	0.13	0.0	0.0	0	0.0
OPS Faculty Adjuncts	0	0.0	0.0	0.0	0.0	OPS Faculty Adjuncts	0.3501	135.9	388.2	32	91.4
Graduate Assistants	26.47	201.3	7.6	797.0	30.1	Graduate Assistants	10.82	0.0	0.0	0	0.0
A & P / USPS	0	0.0	0.0	0.0	0.0	A & P / USPS	0	0.0	0.0	0	0.0
Others	0.38	0.0	0.0	0.0	0.0	Others	0.98	0.0	0.0	0	0.0
	76.90	8,831.5	114.8	3,417	44.4		61.1906	8,468.0	138.4	3,374	55.1

Physics - Faculty Courses & Hours

Fall 2003 - Spring 2004			Organized Classes (C,D,L)								
Faculty Member	Class	FTE	SCH		Total	Headcount		Total	Sections		Total
			UGrad	Grad	SCH	UGrad	Grad	HC	UGrad	Grad	#Sec.
ADAMS	9003	2.00	894.0	-	894.0	298.00	-	298.0	2.00	-	2.0
BAER	9001	2.00	124.0	69.0	193.0	14.85	2.00	16.9	1.50	1.0	2.5
BERG	9001	2.00	490.2	-	490.2	81.75	-	81.8	7.30	-	7.3
BLESSING	9002	2.00	85.0	-	85.0	45.00	-	45.0	4.00	-	4.0
BONESTEEL	9002	2.00	-	105.0	105.0	-	26.00	26.0	-	2.0	2.0
BROOKS	9001	2.00	171.0	-	171.0	57.00	-	57.0	2.00	-	2.0
CAO	9003	2.00	200.0	-	200.0	37.70	-	37.7	2.30	-	2.3
CAPSTICK	9002	2.00	114.0	-	114.0	38.00	-	38.0	1.00	-	1.0
DAGOTTO	9001	2.00	-	120.0	120.0	-	23.00	23.0	-	2.0	2.0
DOBROSAVLJEVIC	9002	2.00	540.0	-	540.0	180.00	-	180.0	2.00	-	2.0
DUKE	9001	2.00	972.0	-	972.0	324.00	-	324.0	2.00	-	2.0
EUGENIO	9003	2.00	540.6	34.0	574.6	86.60	21.00	107.6	6.85	3.0	9.9
FISK	9001	2.00	63.0	-	63.0	21.00	-	21.0	1.00	-	1.0
FRAWLEY	9153	1.00	142.0	-	142.0	18.55	-	18.6	2.65	-	2.7
HAGOPIAN	9001	2.00	201.6	-	201.6	58.30	-	58.3	4.08	-	4.1
LIND	9002	2.00	1,095.0	-	1,095.0	329.60	-	329.6	7.15	-	7.2
MANOUSAKIS	9001	2.00	144.9	-	144.9	32.80	-	32.8	7.20	-	7.2
MOREO	9001	2.00	-	159.0	159.0	-	49.00	49.0	-	2.0	2.0
NG	9002	2.00	218.3	9.0	227.3	29.20	3.00	32.2	4.08	1.0	5.1
OWENS	9001	2.00	81.0	24.0	105.0	27.00	7.00	34.0	2.00	2.0	4.0
PIEKAREWICZ	9002	2.00	42.0	75.0	117.0	14.00	24.00	38.0	1.00	1.0	2.0
PROSPER	9001	2.00	444.0	-	444.0	148.00	-	148.0	1.00	-	1.0
REINA	9003	2.00	-	75.0	75.0	-	22.00	22.0	-	2.0	2.0
RIKVOLD	9001	2.00	180.2	-	180.2	33.10	-	33.1	2.90	-	2.9
RILEY	9001	2.00	887.4	-	887.4	162.55	-	162.6	8.30	-	8.3
SCHLOTTMANN	9001	2.00	329.6	-	329.6	13.24	-	13.2	3.78	-	3.8
SCHRIEFFER	9009	1.00	-	27.0	27.0	-	9.00	9.0	-	1.0	1.0
SHAHEEN	9002	2.00	96.8	-	96.8	84.00	-	84.0	4.80	-	4.8
TABOR	9001	2.00	1,140.2	-	1,140.2	164.55	-	164.6	11.05	-	11.1
VAN WINKLE	9001	2.00	180.0	7.0	187.0	45.00	6.00	51.0	3.00	2.0	5.0
VOLYA	9003	2.00	322.8	-	322.8	23.30	-	23.3	3.72	-	3.7
VON MOLNAR	9001	2.00	657.6	-	657.6	111.90	-	111.9	6.50	-	6.5
WAHL	9001	2.00	69.6	-	69.6	33.20	-	33.2	4.60	-	4.6
WIEDENHOEVER	9003	2.00	509.9	-	509.9	60.73	-	60.7	5.97	-	6.0
XIONG	9003	2.00	199.4	-	199.4	16.14	-	16.1	2.98	-	3.0
YANG	9003	2.00	-	156.0	156.0	-	49.00	49.0	-	2.0	2.0
ZHOU	9002	2.00	162.0	18.0	180.0	15.40	6.00	21.4	2.50	1.0	3.5
TOTALS			11,298.1	878.0	12,176.1	2,604.5	247.0	2,851.5	121.2	22.0	143.2
AVERAGE PER FACULTY			538.0	97.6	487.0	124.0	27.4	114.1	5.8	2.4	5.7

Physics - Faculty Courses & Hours

Fall 2003 - Spring 2004			Individualized (G,T,I,O,P,R,S,Z)								
Faculty Member	Class	FTE	SCH		Total	Headcount		Total	Sections		Total
			UGrad	Grad	SCH	UGrad	Grad	HC	UGrad	Grad	#Sec.
ADAMS	9003	2.00	-	21	21	-	3.0	3.0	-	3.0	3.0
BAER	9001	2.00	-	63	63	-	9.0	9.0	-	9.0	9.0
BERG	9001	2.00	-	9	9	-	2.0	2.0	-	2.0	2.0
BLESSING	9002	2.00	1	33	34	-	4.0	4.0	1	4.0	4.5
BONESTEEL	9002	2.00	-	36	36	-	5.0	5.0	-	5.0	5.0
BROOKS	9001	2.00	-	42	42	-	6.0	6.0	-	6.0	6.0
CAO	9003	2.00	-	33	33	-	4.0	4.0	-	4.0	4.0
CAPSTICK	9002	2.00	-	33	33	-	4.0	4.0	-	4.0	4.0
DAGOTTO	9001	2.00	-	39	39	-	5.0	5.0	-	5.0	5.0
DOBROSAVLJEVIC	9002	2.00	-	21	21	-	3.0	3.0	-	3.0	3.0
DUKE	9001	2.00	-	-	-	-	-	-	-	-	-
EUGENIO	9003	2.00	3	12	15	1	4.0	5.0	1	4.0	5.0
FISK	9001	2.00	-	8	8	-	2.0	2.0	-	2.0	2.0
FRAWLEY	9153	1.00	1	14	15	1	2.0	3.0	1	2.0	3.0
HAGOPIAN	9001	2.00	-	18	18	-	2.0	2.0	-	2.0	2.0
LIND	9002	2.00	-	-	-	-	-	-	-	-	-
MANOUSAKIS	9001	2.00	-	12	12	-	3.0	3.0	-	3.0	3.0
MOREO	9001	2.00	-	-	-	-	-	-	-	-	-
NG	9002	2.00	-	-	-	-	-	-	-	-	-
OWENS	9001	2.00	2	-	2	1	-	1.0	1	-	1.0
PIEKAREWICZ	9002	2.00	9	67	76	3	16.0	19.0	1	12.0	13.0
PROSPER	9001	2.00	-	36	36	-	4.0	4.0	-	4.0	4.0
REINA	9003	2.00	1	32	33	-	4.0	4.0	1	4.0	4.5
RIKVOLD	9001	2.00	-	9	9	-	1.0	1.0	-	1.0	1.0
RILEY	9001	2.00	4	46	50	2	11.0	13.0	2	11.0	13.0
SCHLOTTMANN	9001	2.00	-	18	18	-	4.0	4.0	-	4.0	4.0
SCHRIEFFER	9009	1.00	-	-	-	-	-	-	-	-	-
SHAHEEN	9002	2.00	-	6	6	-	2.0	2.0	-	2.0	2.0
TABOR	9001	2.00	2	31	33	1	9.0	10.0	1	9.0	10.0
VAN WINKLE	9001	2.00	-	65	65	-	13.0	13.0	-	13.0	13.0
VOLYA	9003	2.00	-	-	-	-	-	-	-	-	-
VON MOLNAR	9001	2.00	-	72	72	-	11.0	11.0	-	12.0	12.0
WAHL	9001	2.00	-	-	-	-	-	-	-	-	-
WIEDENHOEVER	9003	2.00	-	12	12	-	3.0	3.0	-	3.0	3.0
XIONG	9003	2.00	-	58	58	-	10.0	10.0	-	11.0	11.0
YANG	9003	2.00	-	33	33	-	4.0	4.0	-	4.0	4.0
ZHOU	9002	2.00	-	27	27	-	7.0	7.0	-	7.0	7.0
TOTALS			22.0	906.0	928.0	9.0	157.0	166.0	8.0	155.0	163.0
AVERAGE PER FACULTY			2.8	31.2	30.9	1.5	5.4	5.5	1.0	5.3	5.4

Physics - Faculty Courses & Hours

Fall 2003 - Spring 2004			All Types								
Faculty Member	Class	FTE	SCH		TOTAL	Headcount		TOTAL	Sections		TOTAL
			UGrad	Grad	SCH	UGrad	Grad	HC	UGrad	Grad	#Sec.
ADAMS	9003	2.00	894.0	21.0	915.0	298.0	3.0	301.0	2.0	3.0	5.0
BAER	9001	2.00	124.0	132.0	256.0	14.9	11.0	25.9	1.5	10.0	11.5
BERG	9001	2.00	490.2	9.0	499.2	81.8	2.0	83.8	7.3	2.0	9.3
BLESSING	9002	2.00	85.5	33.0	118.5	45.0	4.0	49.0	4.5	4.0	8.5
BONESTEEL	9002	2.00	-	141.0	141.0	-	31.0	31.0	-	7.0	7.0
BROOKS	9001	2.00	171.0	42.0	213.0	57.0	6.0	63.0	2.0	6.0	8.0
CAO	9003	2.00	200.0	33.0	233.0	37.7	4.0	41.7	2.3	4.0	6.3
CAPSTICK	9002	2.00	114.0	33.0	147.0	38.0	4.0	42.0	1.0	4.0	5.0
DAGOTTO	9001	2.00	-	159.0	159.0	-	28.0	28.0	-	7.0	7.0
DOBROSAVLJEVIC	9002	2.00	540.0	21.0	561.0	180.0	3.0	183.0	2.0	3.0	5.0
DUKE	9001	2.00	972.0	-	972.0	324.0	-	324.0	2.0	-	2.0
EUGENIO	9003	2.00	543.6	46.0	589.6	87.6	25.0	112.6	7.9	7.0	14.9
FISK	9001	2.00	63.0	8.0	71.0	21.0	2.0	23.0	1.0	2.0	3.0
FRAWLEY	9153	1.00	143.0	14.0	157.0	19.6	2.0	21.6	3.7	2.0	5.7
HAGOPIAN	9001	2.00	201.6	18.0	219.6	58.3	2.0	60.3	4.1	2.0	6.1
LIND	9002	2.00	1,095.0	-	1,095.0	329.6	-	329.6	7.2	-	7.2
MANOUSAKIS	9001	2.00	144.9	12.0	156.9	32.8	3.0	35.8	7.2	3.0	10.2
MOREO	9001	2.00	-	159.0	159.0	-	49.0	49.0	-	2.0	2.0
NG	9002	2.00	218.3	9.0	227.3	29.2	3.0	32.2	4.1	1.0	5.1
OWENS	9001	2.00	83.0	24.0	107.0	28.0	7.0	35.0	3.0	2.0	5.0
PIEKAREWICZ	9002	2.00	51.0	142.0	193.0	17.0	40.0	57.0	2.0	13.0	15.0
PROSPER	9001	2.00	444.0	36.0	480.0	148.0	4.0	152.0	1.0	4.0	5.0
REINA	9003	2.00	0.5	107.0	107.5	-	26.0	26.0	0.5	6.0	6.5
RIKVOLD	9001	2.00	180.2	9.0	189.2	33.1	1.0	34.1	2.9	1.0	3.9
RILEY	9001	2.00	891.4	46.0	937.4	164.6	11.0	175.6	10.3	11.0	21.3
SCHLOTTMANN	9001	2.00	329.6	18.0	347.6	13.2	4.0	17.2	3.8	4.0	7.8
SCHRIEFFER	9009	1.00	-	27.0	27.0	-	9.0	9.0	-	1.0	1.0
SHAHEEN	9002	2.00	96.8	6.0	102.8	84.0	2.0	86.0	4.8	2.0	6.8
TABOR	9001	2.00	1,142.2	31.0	1,173.2	165.6	9.0	174.6	12.1	9.0	21.1
VAN WINKLE	9001	2.00	180.0	72.0	252.0	45.0	19.0	64.0	3.0	15.0	18.0
VOLYA	9003	2.00	322.8	-	322.8	23.3	-	23.3	3.7	-	3.7
VON MOLNAR	9001	2.00	657.6	72.0	729.6	111.9	11.0	122.9	6.5	12.0	18.5
WAHL	9001	2.00	69.6	-	69.6	33.2	-	33.2	4.6	-	4.6
WIEDENHOEVER	9003	2.00	509.9	12.0	521.9	60.7	3.0	63.7	6.0	3.0	9.0
XIONG	9003	2.00	199.4	58.0	257.4	16.1	10.0	26.1	3.0	11.0	14.0
YANG	9003	2.00	-	189.0	189.0	-	53.0	53.0	-	6.0	6.0
ZHOU	9002	2.00	162.0	45.0	207.0	15.4	13.0	28.4	2.5	8.0	10.5
TOTALS			11,320.1	1,784.0	13,104.1	2,613.5	404.0	3,017.5	129.2	177.0	306.2
AVERAGE PER FACULTY			353.8	54.1	354.2	84.3	12.2	81.6	4.0	5.4	8.3

Physics - Faculty Courses & Hours

Fall 2007 - Spring 2008			Organized Classes (C,D,L)								
Faculty Member	Class	FTE	SCH		Total	Headcount		Total	Sections		Total
			UGrad	Grad	SCH	UGrad	Grad	HC	UGrad	Grad	#Sec.
ADAMS	9003	2.00	552.0	-	552.0	184.00	-	184.0	2.00	-	2.0
BAER	9001	2.00	-	27.0	27.0	-	8.00	8.0	-	2.0	2.0
BERG	9001	2.00	79.0	21.0	100.0	79.00	6.00	85.0	7.00	1.0	8.0
BLESSING	9001	2.00	999.7	-	999.7	181.84	-	181.8	6.34	-	6.3
BONESTEEL	9001	2.00	-	120.0	120.0	-	38.00	38.0	-	2.0	2.0
BROOKS	9001	2.00	20.0	-	20.0	20.00	-	20.0	1.00	-	1.0
CAO	9002	2.00	48.0	6.0	54.0	213.00	2.00	215.0	10.00	1.0	11.0
CAPSTICK	9002	2.00	706.8	-	706.8	117.89	-	117.9	4.01	-	4.0
CHIORESCU	9003	2.00	75.0	-	75.0	25.00	-	25.0	1.00	-	1.0
COTTLE	9001	2.00	131.2	-	131.2	25.60	-	25.6	0.80	-	0.8
CREDE	9003	2.00	501.0	10.0	511.0	167.00	4.00	171.0	2.00	3.0	5.0
DOBROSAVLJEVIC	9001	2.00	-	48.0	48.0	-	16.00	16.0	-	1.0	1.0
DUKE	9001	2.00	669.0	-	669.0	223.00	-	223.0	2.00	-	2.0
EUGENIO	9002	2.00	600.0	-	600.0	150.90	-	150.9	8.00	-	8.0
FENLEY	9003	2.00	875.6	-	875.6	424.60	-	424.6	16.30	-	16.3
FRAWLEY	9153	2.00	-	-	-	-	-	-	-	-	-
GERARDY	9003	2.00	142.7	6.0	148.7	58.75	2.00	60.8	6.34	1.0	7.3
GERSHTEIN	9003	2.00	735.0	-	735.0	245.00	-	245.0	3.00	-	3.0
HAGOPIAN	9001	1.16	-	-	-	-	-	-	-	-	-
HIRST	9003	2.00	360.4	-	360.4	29.79	-	29.8	2.65	-	2.7
HOEFLICH	9002	2.00	138.0	9.0	147.0	46.00	2.00	48.0	2.00	1.0	3.0
LIND	9002	2.00	2,232.1	-	2,232.1	848.90	-	848.9	33.98	-	34.0
MANOUSAKIS	9001	2.00	254.5	-	254.5	183.50	-	183.5	16.00	-	16.0
MYERS	9153	2.00	-	6.0	6.0	-	2.00	2.0	-	1.0	1.0
NG	9002	2.00	521.0	-	521.0	90.79	-	90.8	3.34	-	3.3
OWENS	9001	2.00	15.0	33.0	48.0	5.00	10.00	15.0	1.00	2.0	3.0
PIEKAREWICZ	9001	2.00	-	78.0	78.0	-	25.00	25.0	-	2.0	2.0
PLEWA	9002	2.00	201.0	15.0	216.0	26.80	5.00	31.8	1.34	1.0	2.3
PROSPER	9001	2.00	478.1	-	478.1	96.34	-	96.3	7.98	-	8.0
REINA	9001	2.00	21.0	33.0	54.0	7.00	11.00	18.0	1.00	2.0	3.0
REYES	9121	2.00	39.0	-	39.0	39.00	-	39.0	3.00	-	3.0
RIKVOLD	9001	2.00	84.0	12.0	96.0	28.00	2.50	30.5	1.00	0.5	1.5
RILEY	9001	2.00	220.0	33.0	253.0	62.00	31.00	93.0	3.50	2.0	5.5
ROBERTS	9001	2.00	99.0	93.0	192.0	33.00	30.00	63.0	1.00	1.0	2.0
ROGACHEV	9003	2.00	408.0	-	408.0	136.00	-	136.0	2.00	-	2.0
SCHLOTTMANN	9001	2.00	111.0	27.0	138.0	37.00	8.00	45.0	2.00	2.0	4.0
SHAHEEN	9002	2.00	20.4	-	20.4	0.50	-	0.5	0.20	-	0.2
TABOR	9001	2.00	194.3	-	194.3	25.46	-	25.5	1.34	-	1.3
VAFEK	9003	2.00	-	183.0	183.0	-	59.00	59.0	-	2.0	2.0
VAN WINKLE	9001	2.00	493.4	-	493.4	90.52	-	90.5	5.34	-	5.3
VOLYA	9003	2.00	-	180.0	180.0	-	58.00	58.0	-	2.0	2.0
VON MOLNAR	9001	2.00	40.0	-	40.0	40.00	-	40.0	1.00	-	1.0
WAHL	9001	2.00	96.0	-	96.0	51.50	-	51.5	5.40	-	5.4
WIEBE	9003	2.00	1,269.0	-	1,269.0	283.00	-	283.0	9.00	-	9.0
WIEDENHOEVER	9002	2.00	225.1	-	225.1	310.54	-	310.5	22.32	-	22.3
XIONG	9001	2.00	200.0	-	200.0	24.50	-	24.5	1.50	-	1.5
YANG	9001	2.00	-	24.0	24.0	-	8.00	8.0	-	2.0	2.0
ZHOU	9001	2.00	60.0	36.0	96.0	20.00	11.00	31.0	1.00	2.0	3.0
TOTALS			13,915.3	1,000.0	14,915.3	4,630.7	338.5	4,969.2	198.7	33.5	232.2
AVERAGE PER FACULTY			366.2	47.6	324.2	121.9	16.1	108.0	5.2	1.6	5.0

Physics - Faculty Courses & Hours

Fall 2007 - Spring 2008			Individualized (G,T,I,O,P,R,S,Z)								
Faculty Member	Class	FTE	SCH			Headcount			Sections		Total #Sec.
			UGrad	Grad	Total SCH	UGrad	Grad	Total HC	UGrad	Grad	
ADAMS	9003	2.00	-	12	12	-	2.0	2.0	-	2.4	2.4
BAER	9001	2.00	-	42	42	-	6.0	6.0	-	4.3	4.3
BERG	9001	2.00	-	6	6	-	2.0	2.0	-	2.0	2.0
BLESSING	9001	2.00	67	18	85	67	2.0	69.0	2	2.1	4.1
BONESTEEL	9001	2.00	-	56	56	-	5.0	5.0	-	6.6	6.6
BROOKS	9001	2.00	-	93	93	-	10.5	10.5	-	10.0	10.0
CAO	9002	2.00	-	74	74	-	8.0	8.0	-	5.0	5.0
CAPSTICK	9002	2.00	-	39	39	-	5.4	5.4	-	5.2	5.2
CHIORESCU	9003	2.00	-	39	39	-	4.4	4.4	-	4.4	4.4
COTTLE	9001	2.00	-	15	15	-	2.0	2.0	-	2.0	2.0
CREDE	9003	2.00	9	60	69	3	5.4	8.4	3	3.6	6.6
DOBROSAVLJEVIC	9001	2.00	-	56	56	-	4.0	4.0	-	5.1	5.1
DUKE	9001	2.00	-	-	-	-	1.0	1.0	-	1.0	1.0
EUGENIO	9002	2.00	-	64	64	-	5.4	5.4	-	3.6	3.6
FENLEY	9003	2.00	7	50	57	2	10.0	12.0	3	5.0	7.5
FRAWLEY	9153	2.00	-	18	18	-	3.0	3.0	-	4.1	4.1
GERARDY	9003	2.00	-	-	-	-	-	-	-	-	-
GRSHTIN	9003	2.00	-	21	21	-	2.4	2.4	-	2.4	2.4
HAGOPIAN	9001	1.16	-	21	21	-	1.4	1.4	-	1.4	1.4
HIRST	9003	2.00	5	36	41	2	4.0	6.0	2	4.5	6.5
HOEFLICH	9002	2.00	3	18	21	1	4.0	5.0	1	4.0	5.0
LIND	9002	2.00	-	4	4	-	8.0	8.0	-	1.0	1.0
MANOUSAKIS	9001	2.00	-	63	63	-	11.4	11.4	-	6.9	6.9
MYERS	9153	2.00	-	18	18	-	2.0	2.0	-	3.1	3.1
NG	9002	2.00	-	-	-	-	-	-	-	-	-
OWENS	9001	2.00	-	18	18	-	2.0	2.0	-	2.2	2.2
PIEKAREWICZ	9001	2.00	-	21	21	-	2.0	2.0	-	2.7	2.7
PLEWA	9002	2.00	-	-	-	-	-	-	-	-	-
PROSPER	9001	2.00	3	11	14	2	4.0	6.0	2	4.1	6.1
REINA	9001	2.00	-	36	36	-	5.0	5.0	-	5.6	5.6
REYES	9121	2.00	-	-	-	-	-	-	-	-	-
RIKVOLD	9001	2.00	-	67	67	-	6.0	6.0	-	7.3	7.3
RILEY	9001	2.00	-	125	125	-	46.4	46.4	-	10.6	10.6
ROBERTS	9001	2.00	-	18	18	-	2.0	2.0	-	2.6	2.6
ROGACHEV	9003	2.00	3	33	36	1	5.0	6.0	1	5.9	6.9
SCHLOTTMANN	9001	2.00	-	18	18	-	2.0	2.0	-	3.0	3.0
SHAHEEN	9002	2.00	-	23	23	-	3.5	3.5	-	2.5	2.5
TABOR	9001	2.00	-	75	75	-	7.4	7.4	-	7.4	7.4
VAFEK	9003	2.00	-	3	3	-	1.0	1.0	-	1.5	1.5
VAN WINKLE	9001	2.00	-	87	87	-	8.9	8.9	-	8.6	8.6
VOLYA	9003	2.00	-	43	43	-	5.4	5.4	-	6.1	6.1
VON MOLNAR	9001	2.00	-	51	51	-	6.0	6.0	-	5.0	5.0
WAHL	9001	2.00	-	21	21	-	2.5	2.5	-	2.6	2.6
WIEBE	9003	2.00	4	66	70	2	11.0	13.0	2	7.7	9.7
WIEDENHOEVER	9002	2.00	3	43	46	1	10.0	11.0	1	7.0	8.0
XIONG	9001	2.00	-	98	98	-	10.0	10.0	-	8.6	8.6
YANG	9001	2.00	-	10	10	-	2.0	2.0	-	2.6	2.6
ZHOU	9001	2.00	-	51	51	-	4.4	4.4	-	4.9	4.9
TOTALS			103.5	1,739.5	1,843.0	81.0	256.1	337.1	16.5	198.6	215.1
AVERAGE PER FACULTY			11.5	40.5	42.9	9.0	5.8	7.7	1.8	4.5	4.9

Physics - Faculty Courses & Hours

Fall 2007 - Spring 2008			All Types									
Faculty Member	Class	FTE	SCH		TOTAL	Headcount			TOTAL	Sections		TOTAL
			UGrad	Grad	SCH	UGrad	Grad	HC	UGrad	Grad	#Sec.	
ADAMS	9003	2.00	552.0	12.0	564.0	184.0	2.0	186.0	2.0	2.4	4.4	
BAER	9001	2.00	-	69.0	69.0	-	14.0	14.0	-	6.3	6.3	
BERG	9001	2.00	79.0	27.0	106.0	79.0	8.0	87.0	7.0	3.0	10.0	
BLESSING	9001	2.00	1,066.7	18.0	1,084.7	248.8	2.0	250.8	8.3	2.1	10.5	
BONESTEEL	9001	2.00	-	175.5	175.5	-	43.0	43.0	-	8.6	8.6	
BROOKS	9001	2.00	20.0	93.0	113.0	20.0	10.5	30.5	1.0	10.0	11.0	
CAO	9002	2.00	48.0	80.0	128.0	213.0	10.0	223.0	10.0	6.0	16.0	
CAPSTICK	9002	2.00	706.8	39.0	745.8	117.9	5.4	123.3	4.0	5.2	9.2	
CHIORESCU	9003	2.00	75.0	39.0	114.0	25.0	4.4	29.4	1.0	4.4	5.4	
COTTLE	9001	2.00	131.2	15.0	146.2	25.6	2.0	27.6	0.8	2.0	2.8	
CREDE	9003	2.00	510.0	70.0	580.0	170.0	9.4	179.4	5.0	6.6	11.6	
DOBROSAVLJEVIC	9001	2.00	-	103.5	103.5	-	20.0	20.0	-	6.1	6.1	
DUKE	9001	2.00	669.0	-	669.0	223.0	1.0	224.0	2.0	1.0	3.0	
EUGENIO	9002	2.00	600.0	64.0	664.0	150.9	5.4	156.3	8.0	3.6	11.6	
FENLEY	9003	2.00	882.1	50.0	932.1	426.6	10.0	436.6	18.8	5.0	23.8	
FRAWLEY	9153	2.00	-	18.0	18.0	-	3.0	3.0	-	4.1	4.1	
GERARDY	9003	2.00	142.7	6.0	148.7	58.8	2.0	60.8	6.3	1.0	7.3	
GRSHTEIN	9003	2.00	735.0	21.0	756.0	245.0	2.4	247.4	3.0	2.4	5.4	
HAGOPIAN	9001	1.16	-	21.0	21.0	-	1.4	1.4	-	1.4	1.4	
HIRST	9003	2.00	365.4	36.0	401.4	31.8	4.0	35.8	4.7	4.5	9.2	
HOEFLICH	9002	2.00	141.0	27.0	168.0	47.0	6.0	53.0	3.0	5.0	8.0	
LIND	9002	2.00	2,232.1	4.0	2,236.1	848.9	8.0	856.9	34.0	1.0	35.0	
MANOUSAKIS	9001	2.00	254.5	63.0	317.5	183.5	11.4	194.9	16.0	6.9	22.9	
MYERS	9153	2.00	-	24.0	24.0	-	4.0	4.0	-	4.1	4.1	
NG	9002	2.00	521.0	-	521.0	90.8	-	90.8	3.3	-	3.3	
OWENS	9001	2.00	15.0	51.0	66.0	5.0	12.0	17.0	1.0	4.2	5.2	
PIEKAREWICZ	9001	2.00	-	99.0	99.0	-	27.0	27.0	-	4.7	4.7	
PLEWA	9002	2.00	201.0	15.0	216.0	26.8	5.0	31.8	1.3	1.0	2.3	
PROSPER	9001	2.00	481.1	11.0	492.1	98.3	4.0	102.3	10.0	4.1	14.1	
REINA	9001	2.00	21.0	69.0	90.0	7.0	16.0	23.0	1.0	7.6	8.6	
REYES	9121	2.00	39.0	-	39.0	39.0	-	39.0	3.0	-	3.0	
RIKVOLD	9001	2.00	84.0	78.5	162.5	28.0	8.5	36.5	1.0	7.8	8.8	
RILEY	9001	2.00	220.0	158.0	378.0	62.0	77.4	139.4	3.5	12.6	16.1	
ROBERTS	9001	2.00	99.0	111.0	210.0	33.0	32.0	65.0	1.0	3.6	4.6	
ROGACHEV	9003	2.00	411.0	33.0	444.0	137.0	5.0	142.0	3.0	5.9	8.9	
SCHLOTTMANN	9001	2.00	111.0	45.0	156.0	37.0	10.0	47.0	2.0	5.0	7.0	
SHAHEEN	9002	2.00	20.4	23.0	43.4	0.5	3.5	4.0	0.2	2.5	2.7	
TABOR	9001	2.00	194.3	75.0	269.3	25.5	7.4	32.9	1.3	7.4	8.8	
VAFEK	9003	2.00	-	186.0	186.0	-	60.0	60.0	-	3.5	3.5	
VAN WINKLE	9001	2.00	493.4	87.0	580.4	90.5	8.9	99.4	5.3	8.6	13.9	
VOLYA	9003	2.00	-	223.0	223.0	-	63.4	63.4	-	8.1	8.1	
VON MOLNAR	9001	2.00	40.0	51.0	91.0	40.0	6.0	46.0	1.0	5.0	6.0	
WAHL	9001	2.00	96.0	21.0	117.0	51.5	2.5	54.0	5.4	2.6	8.0	
WIEBE	9003	2.00	1,273.0	66.0	1,339.0	285.0	11.0	296.0	11.0	7.7	18.7	
WIEDENHOEVER	9002	2.00	228.1	43.0	271.1	311.5	10.0	321.5	23.3	7.0	30.3	
XIONG	9001	2.00	200.0	98.0	298.0	24.5	10.0	34.5	1.5	8.6	10.1	
YANG	9001	2.00	-	34.0	34.0	-	10.0	10.0	-	4.6	4.6	
ZHOU	9001	2.00	60.0	87.0	147.0	20.0	15.4	35.4	1.0	6.9	7.9	
TOTALS			14,018.8	2,739.5	16,758.3	4,711.7	594.6	5,306.4	215.2	232.1	447.2	
AVERAGE PER FACULTY			368.9	60.9	349.1	124.0	12.9	110.5	5.7	5.0	9.3	

**Operating Budget E&G Position FTE and Rate Totals
By Pay Plan, Month Type, Filled/Vacant, and Rank**

College of Arts & Sciences

Physics

		2005-2006	2006-2007	2007-2008	2008-2009
Total All Pay Plans	FTE	46.22	49.19	46.39	46.23
	Person Years	36.03	38.96	38.79	37.46
	Current Rate	\$2,451,476	\$2,632,503	\$2,678,149	\$2,458,035
Filled 9- & 12-Month Faculty	FTE	20.00	25.00	26.00	23.00
	Person Years	14.94	19.18	19.93	17.69
	Current Rate	\$1,464,849	\$1,882,161	\$1,966,441	\$1,720,489
Vacant & Reserve Faculty	FTE	5.00	1.00		1.00
	Person Years	3.74	0.75		0.75
	Current Rate	\$347,503	\$20,477		\$26,097
Summer Faculty	FTE	4.22	4.51	1.71	3.55
	Person Years	0.36	0.35	0.18	0.35
	Current Rate	\$39,191	\$36,433	\$21,675	\$41,659
Filled Support	FTE	16.00	18.68	18.68	18.68
	Person Years	16.00	18.68	18.68	18.68
	Current Rate	\$572,612	\$693,432	\$690,033	\$669,790
Vacant & Reserve Support	FTE	1.00			
	Person Years	1.00			
	Current Rate	\$27,321			

E & G Expenditures by Budget Category, By Major Object code, Departments within School

College of Arts & Sciences

Physics

Category Code	Oject Code	2004-05	2005-06	2006-07	2007-08
SALARY	FACULTY	\$1,295,478	\$1,755,096	\$1,964,072	\$2,046,207
	A&P	\$53,795	\$54,621	\$95,065	\$126,348
	USPS	\$515,836	\$541,870	\$569,563	\$565,531
	FRINGE BENEFITS	\$499,223	\$642,658	\$758,710	\$781,707
	OTHER SALARY	\$45,686	\$17,726	\$19,174	\$2,341
SALARY		\$2,410,018	\$3,011,971	\$3,406,584	\$3,522,134
EXPENSE	CONSTRUCTION SUPPLIES	\$99		\$95	\$10,743
	CONSULTING & OTHER	\$6,284	\$1,515	\$3,738	\$1,234
	EDUCATIONAL SUPPLIES	\$16,362	\$3,094	\$5,655	\$3,857
	EQUIPMENT & BOOKS	\$26,332	\$43,943	\$58,457	\$15,758
	EXPENSE OTHER	\$4,957	\$5,187	\$6,752	\$2,873
	MAINT & HEATING SUPPLIES	\$11,605	\$13,317	\$26,502	\$3,344
	MOTOR FUELS & LUBRICANTS	\$443	\$654	\$706	\$705
	OFFICE SUPPLIES	\$1,270	\$870	\$8,271	\$2,180
	OTHER CURRENT CHARGES	\$645	\$568	\$137	\$181
	OTHER MATERIALS & SUPPLIES	\$5,245	\$3,569	\$2,428	\$755
	PRINTING	\$4,781	\$2,871	\$6,995	\$2,903
	PURCHASE FOR RESALE				\$187
	RENTAL OF EQUIPMENT	\$1,859	\$3,135	\$3,033	\$2,488
	REPAIRS & MAINTENANCE	\$10,363	\$14,818	\$5,752	\$6,815
	TELEPHONE	\$43,399	\$41,547	\$42,685	\$42,925
TRAVEL	\$16,807	\$24,275	\$27,084	\$15,587	
EXPENSE		\$150,451	\$159,363	\$198,290	\$112,535
OPS	FRINGE BENEFITS	\$10,244	\$3,682	\$2,194	\$1,136
	FACULTY ADJUNCTS	\$55,160	\$60,320	\$58,513	\$47,378
	GRAD ASST	\$625,901	\$790,852	\$797,569	\$786,894
	OPS OTHER	\$106,359	\$42,516	\$32,719	\$18,256
	STUDENT ASST	\$15,504	\$37,716	\$29,977	\$14,534
OPS		\$813,168	\$935,086	\$920,972	\$868,198
OCO	DATA PROCESSING EQUIPMENT		\$23,409	\$16,483	
	EDUCATIONAL EQUIPMENT	\$13,303	\$10,367		
OCO		\$13,303	\$33,776	\$16,483	
Department Total:		\$3,386,940	\$4,140,196	\$4,542,329	\$4,502,867

Program : Physics

FTIC Retention Rates

Entering Cohort Year	4th Year %	6th Year %
1996	70.6%	76.5%
1997	84.6%	69.2%
1998	57.9%	57.9%
1999	76.9%	76.9%
2000	81.8%	72.7%
2001	68.0%	68.0%

FTIC Graduation Rates

Entering Cohort Year	4th Year %	6th Year %
1996	47.1%	76.5%
1997	30.8%	61.5%
1998	36.8%	47.4%
1999	34.6%	69.2%
2000	18.2%	72.7%
2001	36.0%	60.0%

AA Transfer Retention Rates

Entering Cohort Year	4th Year %	6th Year %
1996	50.0%	50.0%
1997	100.0%	100.0%
1998	50.0%	50.0%
1999	100.0%	100.0%
2000	66.7%	66.7%
2001	100.0%	100.0%

AA Transfer Graduation Rates

Entering Cohort Year	4th Year %	6th Year %
1996	50.0%	50.0%
1997	100.0%	100.0%
1998	50.0%	50.0%
1999	100.0%	100.0%
2000	66.7%	66.7%
2001	100.0%	100.0%

**Quality Enhancement Review
Unit Accomplishment Summary
Teaching and Research Overview
2007-2008**

Name of Program: Physics

Faculty member	Instructional assignment (%)	Number of organized courses taught (C,D,L)	Number of individualized courses (G,T,I,O,P,R,S,Z)	Instructional contact hours	Number of directed individual studies (DIS)	Number of PhD students supervised	Research assignment (%)	NRC-countable publications and/or creative products	ALL SOURCES			
									Number of proposals submitted	Number of proposals funded	Total grant funds awarded	Number of honors and awards
ADAMS		2.0	2.4	23.2								
BAER		2.0	4.3	16.7								
BERG		8.0	2.0	30.0								
BLESSING		6.3	4.1	41.5								
BONESTEEL		2.0	6.6	21.2								
BROOKS		1.0	10.0	12.3								
CAO		11.0	5.0	47.0								
CAPSTICK		4.0	5.2	26.7								
CHIORESCU		1.0	4.4	19.4								
COTTLE		0.8	2.0	18.2								
CREDE		5.0	6.6	19.8								
DOBROSAVLJEVIC		1.0	5.1	19.1								
DUKE		2.0	1.0	22.0								
EUGENIO		8.0	3.6	23.6								
FENLEY		16.3	7.5	49.9								
FRAWLEY		0.0	4.1	24.2								
GERARDY		7.3	0.0	18.1								
GERSHTEIN		3.0	2.4	14.9								
HAGOPIAN		0.0	1.4	12.4								
HIRST		2.7	6.5	21.3								
HOEFLICH		3.0	5.0	22.0								
LIND		34.0	1.0	75.0								
MANOUSAKIS		16.0	6.9	48.8								
MYERS		1.0	3.1	23.3								
NG		3.3	0.0	2.0								
OWENS		3.0	2.2	12.9								
PIEKAREWICZ		2.0	2.7	20.4								
PLEWA		2.3	0.0	12.7								
PROSPER		8.0	6.4	22.0								
REINA		3.0	5.6	22.6								
REYES		3.0	0.0	6.9								
RIKVOLD		1.5	7.3	21.5								

**Quality Enhancement Review
Unit Accomplishment Summary
Instructional Activities
2007-2008**

Name of Program: Physics

Faculty member	Instructional assignment (%)	Number of organized courses taught (C,D,L)	Total enrollment	Number of individualized courses (G,T,I,O,P,R,S,Z)	Total enrollment	Total instructional contact hours	Total student credit hours	Number of honors courses	Number of thesis/dissertation student committees
ADAMS		2.0	184	2.4	2	23.2	564.0		
BAER		2.0	8	4.3	6	16.7	69.0		
BERG		8.0	85	2.0	2	30.0	106.0		
BLESSING		6.3	199	4.1	69	41.5	1084.7		
BONESTEEL		2.0	38	6.6	5	21.2	175.5		
BROOKS		1.0	20	10.0	11	12.3	113.0		
CAO		11.0	215	5.0	8	47.0	128.0		
CAPSTICK		4.0	140	5.2	6	26.7	745.8		
CHIORESCU		1.0	25	4.4	5	19.4	114.0		
COTTLE		0.8	32	2.0	2	18.2	146.2		
CREDE		5.0	171	6.6	9	19.8	580.0		
DOBROSAVLJEVIC		1.0	16	5.1	4	19.1	103.5		
DUKE		2.0	223	1.0	1	22.0	669.0		
EUGENIO		8.0	175	3.6	6	23.6	664.0		
FENLEY		16.3	430	7.5	12	49.9	932.1		
FRAWLEY		0.0	0	4.1	3	24.2	18.0		
GERARDY		7.3	107	0.0	0	18.1	148.7		
GERSHTEIN		3.0	245	2.4	3	14.9	756.0		
HAGOPIAN		0.0	0	1.4	2	12.4	21.0		
HIRST		2.7	72	6.5	6	21.3	401.4		
HOEFLICH		3.0	48	5.0	5	22.0	168.0		
LIND		34.0	957	1.0	8	75.0	2236.1		
MANOUSAKIS		16.0	251	6.9	12	48.8	317.5		
MYERS		1.0	2	3.1	2	23.3	24.0		
NG		3.3	103	0.0	0	2.0	521.0		
OWENS		3.0	15	2.2	2	12.9	66.0		
PIEKAREWICZ		2.0	25	2.7	2	20.4	99.0		
PLEWA		2.3	45	0.0	0	12.7	216.0		
PROSPER		8.0	136	6.4	6	22.0	492.1		

