

Course	Sections	Credits	Schedule	Location	Instructor	Course Name
PHY 101	0QJ-LEC	4	TuTh 12:30PM - 1:45PM	Knight Physics 112	Sharon Zane	College Physics I
PHY 101	4C-DIS	4	We 10:10AM - 11:00AM	Knight Physics 108	Sharon Zane	College Physics I
PHY 101	4D-DIS	4	We 11:15AM - 12:05PM	Knight Physics 108	Sharon Zane	College Physics I
PHY 101	4F-DIS	4	We 1:25PM - 2:15PM	Knight Physics 108	Sharon Zane	College Physics I
PHY 101	4G-DIS	4	We 2:30PM - 3:20PM	Knight Physics 108	Sharon Zane	College Physics I
Description: Elementary mechanics, thermal phenomena, fluids, waves. Courses 101-102-106-108 provide a ten credit 'physics with lab' sequence for premedical students						
Text: Walker, 5th Edition						
Notes: Discussion Section Required. The 5:00 pm period is for exams only. Exam dates are February 7, March 7 and April 11.						
PHY 102	0SU-LEC	4	Tu 2:00PM - 4:00PM	Knight Physics 105	Joshua Cohn	College Physics II
PHY 102		4	Th 2:00PM - 4:00PM	Knight Physics 105	Joshua Cohn	College Physics II
PHY 102	0TJ-LEC	4	TuTh 5:00PM - 6:15PM	Knight Physics 112	Sharon Zane	College Physics II
PHY 102	1C-DIS	4	Mo 10:10AM - 11:00AM	Knight Physics 108	Chaoming Song	College Physics II
PHY 102	1D-DIS	4	Mo 11:15AM - 12:05PM	Knight Physics 108	Thomas Curtright	College Physics II
PHY 102	1E-DIS	4	Mo 12:20PM - 1:10PM	Knight Physics 108	Thomas Curtright	College Physics II
PHY 102	1F-DIS	4	Mo 1:25PM - 2:15PM	Knight Physics 108	Ghassan Ghandour	College Physics II
PHY 102	1J-DIS	4	Mo 5:00PM - 5:50PM	Knight Physics 108	Ghassan Ghandour	College Physics II
PHY 102	9SU-DIS	4	Fr 2:30PM - 3:20PM	Knight Physics 105	Nico Cappelluti	College Physics II
Description: Electromagnetism, optics, and modern physics.						
Text: Walker, 5th Edition						
Notes: Students in this section must also register for						
PHY 103	U1-LEC	3	TuTh 6:25PM - 7:40PM	Knight Physics 112	William Moore	General Physics
Description: Mechanics, waves, electromagnetism.						
Text: Salu						
PHY 106	1C-LAB	1	Mo 10:10AM - 12:55PM	Knight Physics 104	Plamen Karavassilev,	College Physics Laboratory I
PHY 106	1F-LAB	1	Mo 1:25PM - 4:10PM	Knight Physics 104	Plamen Karavassilev,	College Physics Laboratory I
PHY 106	1J-LAB	1	Mo 5:00PM - 7:40PM	Knight Physics 104	Plamen Karavassilev,	College Physics Laboratory I
PHY 106	1O-LAB	1	Tu 9:30AM - 12:15PM	Knight Physics 104	Plamen Karavassilev,	College Physics Laboratory I
PHY 106	1R-LAB	1	Tu 2:00PM - 4:45PM	Knight Physics 104	Plamen Karavassilev,	College Physics Laboratory I
PHY 106	1U-LAB	1	Tu 6:25PM - 9:05PM	Knight Physics 104	Plamen Karavassilev,	College Physics Laboratory I
PHY 106	5O-LAB	1	Th 9:30AM - 12:15PM	Knight Physics 104	Plamen Karavassilev,	College Physics Laboratory I
PHY 106	5R-LAB	1	Th 2:00PM - 4:45PM	Knight Physics 104	Plamen Karavassilev,	College Physics Laboratory I
Description: Laboratory course to accompany PHY 101.						
Text: **** No Books Required For This Course ****						
Notes: Pre-requisite: PHY 101 Or Co-requisite: PHY 101 Or Pre-requisite: 201 Or Co-requisite: 201.						

PHY 108	1A-LAB	1	Mo 8:00AM - 10:45AM	Knight Physics 100	Plamen Karavassilev,	College Physics Laboratory II
PHY 108	1D-LAB	1	Mo 11:15AM - 2:00PM	Knight Physics 100	Plamen Karavassilev,	College Physics Laboratory II
PHY 108	1K-LAB	1	Mo 6:25PM - 9:05PM	Knight Physics 108	Jia Li,	College Physics Laboratory II
PHY 108	1N-LAB	1	Tu 8:00AM - 10:45AM	Knight Physics 100	Hassan Alshal,	College Physics Laboratory II
PHY 108	1P-LAB	1	Tu 11:00AM - 1:45PM	Knight Physics 100	Hassan Alshal,	College Physics Laboratory II
PHY 108	1R-LAB	1	Tu 2:00PM - 4:45PM	Knight Physics 100	David Bates,	College Physics Laboratory II
PHY 108	1U-LAB	1	Tu 6:25PM - 9:05PM	Knight Physics 100	Plamen Karavassilev,	College Physics Laboratory II
PHY 108	4B-LAB	1	We 9:05AM - 11:50AM	Knight Physics 100	Plamen Karavassilev,	College Physics Laboratory II
PHY 108	4E-LAB	1	We 12:20PM - 3:05PM	Knight Physics 100	David Bates,	College Physics Laboratory II
PHY 108	4K-LAB	1	We 6:25PM - 9:05PM	Knight Physics 100	David Bates,	College Physics Laboratory II
PHY 108	5O-LAB	1	Th 9:30AM - 12:15PM	Knight Physics 100	Durga Khadka,	College Physics Laboratory II
PHY 108	5Q-LAB	1	Th 12:30PM - 3:15PM	Knight Physics 100	Durga Khadka,	College Physics Laboratory II
PHY 108	5U-LAB	1	Th 6:25PM - 9:05PM	Knight Physics 100	Plamen Karavassilev,	College Physics Laboratory II
PHY 108	7F-LAB	1	Fr 1:25PM - 4:10PM	Knight Physics 100	Plamen Karavassilev,	College Physics Laboratory II
PHY 108	9SU-LAB	1	TBA	TBA	Joshua Cohn	College Physics Laboratory II

Description: Laboratory course to accompany PHY 102.

Text: **** No Books Required For This Course ****

Notes: Prerequisites: PHY 102 or PHY 202. Or Corequisites: PHY 102 or PHY 202.

PHY 110	O-LEC	3	TuTh 9:30AM - 10:45AM	Knight Physics 112	Joshua Gundersen	Descriptive Astronomy
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Description: For students not majoring in Mathematics or a Physical Science. brief non-technical treatment of the universe and its contents. Mathematical requirements are minimal with emphasis on our present knowledge about energy and matter in space. Not for major or minor.

Text: Prather

PHY 202	0RJ-LEC	4	TuTh 2:00PM - 3:15PM	Knight Physics 112	Neil Johnson	Physics II for the Sciences
PHY 202	0SBJ-LEC	4	TuTh 3:30PM - 4:45PM	Knight Physics 112	He Wang	Physics II for the Sciences
PHY 202	1D-DIS	4	Mo 11:15AM - 12:05PM	Knight Physics 109	Sunxiang Huang	Physics II for the Sciences
PHY 202	1G-DIS	4	Mo 2:30PM - 3:20PM	Knight Physics 108	Neil Johnson	Physics II for the Sciences
PHY 202	2B-DIS	4	Mo 9:05AM - 9:55AM	Knight Physics 109	Narayan Prasai	Physics II for the Sciences
PHY 202	2E-DIS	4	Mo 12:20PM - 1:10PM	Knight Physics 109	Narayan Prasai	Physics II for the Sciences

Description: Calculus based introductory physics: electromagnetism, optics, modern physics, with applications from the life sciences.

Text: Giancoli

Notes: The lab that accompanies this course is PHY108. Exams will be Wednesday, 5:00 - 6:15pm. The 5:00pm is for exams only. Exam dates are February 14, March 21 and April 18.

PHY 205	0CK-LEC	3	MoWeFr 10:10AM - 11:00AM	Knight Physics 112	Massimiliano Galeazzi	Physics I
PHY 205	5O-DIS	3	Th 9:30AM - 10:20AM	Knight Physics 109	Orlando Alvarez	Physics I
PHY 205	5P-DIS	3	Th 11:00AM - 11:50AM	Knight Physics 109	Orlando Alvarez	Physics I

PHY 205	5Q-DIS	3	Th 12:30PM - 1:20PM	Knight Physics 109	Massimiliano Galeazzi	Physics I
PHY 205	5R-DIS	3	Th 2:00PM - 2:50PM	Knight Physics 109	Olga Korotkova	Physics I
Description: Mechanics through gravity and harmonic motion, intended for science and engineering students.						
Text: Giancoli						
Notes: Discussion Section Required. The 6:25 pm period is for exams only. Exam dates are February 12, March 5 and April 16.						
PHY 206	0FK-LEC	3	MoWeFr 1:25PM - 2:15PM	Knight Physics 112	Kenneth Voss	Physics II
PHY 206	0GK-LEC	3	MoWeFr 2:30PM - 3:20PM	Knight Physics 112	Kenneth Voss	Physics II
PHY 206	1P-DIS	3	Tu 11:00AM - 11:50AM	Knight Physics 108	David Bates	Physics II
PHY 206	1R-DIS	3	Tu 2:00PM - 2:50PM	Knight Physics 108	Joaquin Aparicio-Bolano	Physics II
PHY 206	1S-DIS	3	Tu 3:30PM - 4:20PM	Knight Physics 108	Joaquin Aparicio-Bolano	Physics II
PHY 206	1T-DIS	3	Tu 5:00PM - 5:50PM	Knight Physics 108	David Bates	Physics II
PHY 206	2P-DIS	3	Tu 11:00AM - 11:50AM	Knight Physics 109	Ghassan Ghandour	Physics II
PHY 206	2R-DIS	3	Tu 2:00PM - 2:50PM	Knight Physics 109	Ghassan Ghandour	Physics II
Description: Fluids, waves, optics, thermal phenomena.						
Text: Giancoli						
Notes: Discussion Section Required. The 6:25 pm period is for exams only. Exam dates are February 14, March 21 and April 18.						
PHY 207	0EK-LEC	3	MoWeFr 12:20PM - 1:10PM	Knight Physics 112	Sheyum Syed	Physics III
PHY 207	5O-DIS	3	Th 9:30AM - 10:20AM	Knight Physics 108	Alexandru Mezincescu	Physics III
PHY 207	5P-DIS	3	Th 11:00AM - 11:50AM	Knight Physics 108	Alexandru Mezincescu	Physics III
PHY 207	5R-DIS	3	Th 2:00PM - 2:50PM	Knight Physics 108	Sheyum Syed	Physics III
Description: Electromagnetism through Maxwell's equations.						
Text: Giancoli						
Notes: Discussion Section Required. The 6:25 pm period is for exams only. Exam dates are February 12, March 5 and April 16.						
PHY 208	1B-LAB	1	Mo 9:05AM - 11:50AM	Knight Physics 101	Nathaniel Aden,	Physics II Lab
PHY 208	1G-LAB	1	Mo 2:30PM - 5:10PM	Knight Physics 101	Julio Sarmiento,	Physics II Lab
PHY 208	1K-LAB	1	Mo 6:25PM - 9:05PM	Knight Physics 101	Julio Sarmiento,	Physics II Lab
PHY 208	1P-LAB	1	Tu 11:00AM - 1:45PM	Knight Physics 101	Dharmendra Prasad Shuk	Physics II Lab
PHY 208	1T-LAB	1	Tu 5:00PM - 7:40PM	Knight Physics 101	Matthew Haddad,	Physics II Lab
PHY 208	5O-LAB	1	Th 9:30AM - 12:15PM	Knight Physics 101	Plamen Karavassilev,	Physics II Lab
PHY 208	5Q-LAB	1	Th 12:30PM - 3:15PM	Knight Physics 101	Plamen Karavassilev,	Physics II Lab
PHY 208	5S-LAB	1	Th 3:30PM - 6:15PM	Knight Physics 101	Kunal Tamang,	Physics II Lab
PHY 208	5U-LAB	1	Th 6:25PM - 9:05PM	Knight Physics 101	Kunal Tamang,	Physics II Lab
PHY 208	7G-LAB	1	Fr 2:30PM - 5:10PM	Knight Physics 101	Matthew Haddad,	Physics II Lab
Description: Laboratory to accompany PHY 206.						
Text: **** No Books Required For This Course ****						

Notes: Prerequisite: PHY 206. Or Corequisite: PHY 206.						
PHY 209	1F-LAB	1	Mo 1:25PM - 4:10PM	Knight Physics 102	Plamen Karavassilev,	Physics III Lab
PHY 209	4B-LAB	1	We 9:05AM - 11:45AM	Knight Physics 102	Jiazhen Liu,	Physics III Lab
PHY 209	5P-LAB	1	Th 11:00AM - 1:45PM	Knight Physics 102	David Bates,	Physics III Lab
PHY 209	5T-LAB	1	Th 5:00PM - 7:40PM	Knight Physics 102	Jiazhen Liu,	Physics III Lab
Description: Lab to accompany PHY 207.						
Text: **** No Books Required For This Course ****						
Notes: Pre-requisite: PHY 207 Or Co-requisite: PHY 207.						
PHY210	FG-LEC	1	MoWeFr 1:25PM - 2:15PM	Knight Physics 109	Manuel Huerta	Physics II-III
Description: Fluids, waves, optics, thermal phenomena, electromagnetism. Combines PHY 206 and 207.						
Text: Giancoli						
Notes: Requisite: General Honors Program. Pre-requisite: PHY 205 And MTH 141 Or MTH 151 Or MTH 161 Or MTH 171 And MTH 162 Or MTH 172 Or Co-requisite: MTH 162 Or Co-requisite: MTH 172.						
PHY306	5T-LAB	1	Th 5:00PM - 7:45PM	TBA	Sunxiang Huang	Intermediate Laboratory
Description: Laboratory: a review of some of the fundamental experiments in classical and modern physics.						
Text: **** No Books Required For This Course ****						
Notes: Prerequisites: PHY 209 or PHY 360. Or Corequisite: PHY 360.						
PHY 315	Q-LEC	5-6	TuTh 12:30PM - 1:45PM	Knight Physics 108	Seyed Mohammad Hashe	Mathematical Tools for Physics
Description: How to use mathematics. Series, complex algebra, vector analysis, differential equations, etc.						
Text: Nearing						
Enrollment Requirements: Pre-requisite: PHY 206 And MTH 211 Or MTH 310 Or PHY 315.						
Description: An intermediate course in thermal phenomena, from both macroscopic and microscopic points of view.						
PHY 321	D-LEC	1	MoWeFr 11:15AM - 12:05PM	Knight Physics 203	Chaoming Song	Thermodynamics and Kinetic Theory
Description: An intermediate course in thermal phenomena, from both macroscopic and microscopic points of view.						
Text: Schroeder						
Enrollment Requirements: Pre-requisite: PHY 206 And MTH 211 Or MTH 310 Or PHY 315.						
PHY 340	E-LEC	3	MoWeFr 12:20PM - 1:10PM	Knight Physics 203	Olga Korotkova	Classical Mechanics I
Description: Includes harmonic motion, orbit theory, coupled oscillations, rigid body motions.						
Pre-requisite: PHY 206 And PHY 207 And MTH 210 Or Co-requisite: MTH 210 And Pre-requisite MTH 311 Or Co-requisite: MTH 311 Or Pre-requisite: PHY 315.						
PHY 351	F-LEC	3	MoWeFr 1:25PM - 2:15PM	Knight Physics 203	Rafael Nepomechie	Intermediate Electricity and Magnetism II
Description: A continuation of PHY 350. Includes further application of Maxwell's equations with emphasis on radiation theory.						
Text: Griffiths						
Notes: Requisite: PHY 350						
PHY500	02-THI	3	TBA	TBA	Joshua Cohn	Research

PHY 500	03-THI	1-3	TBA	TBA	Kenneth Voss	Research
PHY 500	05-THI	1-3	TBA	TBA	Massimiliano Galeazzi	Research
PHY 500	06-THI	1-3	TBA	TBA	Joshua Gundersen	Research
PHY 500	09-THI	1-3	TBA	TBA	Howard Gordon	Research
PHY 500	14-THI	1-3	TBA	TBA	Neil Johnson	Research
PHY 500	15-THI	1-3	TBA	TBA	Olga Korotkova	Research
PHY 500	20-THI	1-3	TBA	TBA	Sheyum Syed	Research
PHY 500	21-THI	1-3	TBA	TBA	Sunxiang Huang	Research
PHY 500	22-THI	1-3	TBA	TBA	Mason Klein	Research
PHY 500	23-THI	1-3	TBA	TBA	He Wang	Research
PHY 500	24-THI	1-3	TBA	TBA	Nico Cappelluti	Research
Description: Project course introducing methods of research, individual investigation of current problems.						
Text: Course Materials have not been determined.						
Notes: Arranged						
PHY 506	ST-LAB	1-2	Tu 3:30PM - 6:15PM	Knight Physics 204	Sunxiang Huang	Advanced Laboratory
Description: Advanced experiments such as properties of the electron, optical spectra, electrical measurements, radioactive decay, absorption, etc.						
Notes: Pre-requisite: PHY 209 And PHY 360 Or Co-requisite: PHY 360.						
PHY 545	P-LEC	3	TuTh 11:00AM - 12:15PM	Knight Physics 203	Nico Cappelluti	Introduction to Astrophysics
Description: Celestial mechanics, solar models, galaxies, distance scales, instruments.						
Notes: Pre-requisite: PHY 360.						
PHY 561	R-LEC	3	TuTh 2:00PM - 3:15PM	GPC NORM	Orlando Alvarez	Quantum Mechanics and Modern Physics II
Description: Applications of quantum mechanics to atomic and molecular spectroscopy, quantum statistical mechanics, and nuclear physics.						
Notes: Pre-requisite: PHY 560						
PHY 606	ST-LAB		Tu 3:30PM - 6:15PM	GPC NORM	Sunxiang Huang	Advanced Laboratory
PHY 606	Regular		Th 3:30PM - 4:20PM	GPC NORM	Sunxiang Huang	Advanced Laboratory
Description: Advanced experiments such as properties of the electron, optical spectra, electrical measurements, radioactive decay, absorption, etc.						
Text: **** No Books Required For This Course ****						
PHY 645	P-LEC		TuTh 11:00AM - 12:15PM	Knight Physics 203	Nico Cappelluti	Introduction to Astrophysics
Description: Celestial mechanics, solar models, galaxies, distance scales, instruments.						
Text: Ryden						
PHY 661	R-LEC		TuTh 2:00PM - 3:15PM	Knight Physics 203	Orlando Alvarez	Quantum Mechanics and Modern Physics II
Description: Applications of quantum mechanics to atomic and molecular spectroscopy, quantum statistical mechanics, and nuclear physics.						
Text: Champion						
PHY 752	G-LEC		MoWeFr 2:30AM - 3:20AM	Knight Physics 203	Thomas Curtright	Eletromagnetic Theory I
Description: Electrostatics, magnetostatics, Maxwell's equations, continuous media, waves, antennas, resonant cavities, wave guides.						

Text: Jackson						
PHY 771	Q-LEC		TuTh 12:30PM - 1:45PM	Knight Physics 203	Alexandru Mezincescu	Quantum Theory II
Description: One particle relativistic theory; Lorentz group; symmetries of particles; elementary scattering theory; many body problems; Green's function techniques; S-matrix.						
Text: Messiah						
PHY 780	01-THI		TBA	TBA	Fulin Zuo	Directed Readings or Research
PHY 780	02-THI		TBA	TBA	Joshua Cohn	Directed Readings or Research
PHY 780	03-THI		TBA	TBA	Kenneth Voss	Directed Readings or Research
PHY 780	04-THI		TBA	TBA	Rafael Nepomechie	Directed Readings or Research
PHY 780	05-THI		TBA	TBA	Massimiliano Galeazzi	Directed Readings or Research
PHY 780	06-THI		TBA	TBA	Joshua Gundersen	Directed Readings or Research
PHY 780	07-THI		TBA	TBA	Orlando Alvarez	Directed Readings or Research
PHY 780	08-THI		TBA	TBA	Thomas Curtright	Directed Readings or Research
PHY 780	09-THI		TBA	TBA	Alexandru Mezincescu	Directed Readings or Research
PHY 780	10-THI		TBA	TBA	Manuel Huerta	Directed Readings or Research
PHY 780	11-THI		TBA	TBA	Neil Johnson	Directed Readings or Research
PHY 780	12-THI		TBA	TBA	Olga Korotkova	Directed Readings or Research
PHY 780	13-THI		TBA	TBA	Stewart Barnes	Directed Readings or Research
PHY 780	14-THI		TBA	TBA	Chaoming Song	Directed Readings or Research
PHY 780	15-THI		TBA	TBA	Sheyum Syed	Directed Readings or Research
PHY 780	16-THI		TBA	TBA	Sunxiang Huang	Directed Readings or Research
PHY 780	17-THI		TBA	TBA	He Wang	Directed Readings or Research
Description: Directed Readings or Research						
Text: **** No Books Required For This Course ****						
Notes: Arranged						
PHY 830	01-THI		TBA	TBA	Fulin Zuo	Pre-Candidacy Doctoral Dissertation
Description: Required of all candidates for the Ph.D. The student will enroll for credit as determined by his/her advisor, but not for less than a total of 12. Not more than 12 hours of PHY 730 may be taken in a regular semester, nor more than six in a summer session.						
Text: **** No Books Required For This Course ****						
Notes: Arranged						
PHY 840	01-THI		TBA	TBA	Fulin Zuo	Post-Candidacy Doctoral Dissertation
Description: Required of all candidates for the Ph.D. who have advanced to candidacy. The student will enroll for credit as determined by his/her advisor, but not for less than a total of 12. Not more than 12 hours of PHY 740 may be taken in a regular semester, nor more than six in a summer session.						
Text: **** No Books Required For This Course ****						
Notes: Arranged						

PHY 850	01-THI		TBA	TBA	Fulin Zuo	Research in Residence
Description: Used to establish research in residence for the Ph.D. and D.A., after the student has been enrolled for the permissible cumulative total in appropriate doctoral research. Credit not granted. May be regarded as full-time residence as determined by the Dean of the Graduate School.						
Text: **** No Books Required For This Course ****						
Notes: Arranged						