

NIP Offered Course	Book	Author	Location	Call Number	Remarks
P7x and P7x.1 Series	University Physics	Young	DSCI	QC23/Y67 2000	*note: the 2004 edition by Young and Freedman is the one mostly used now but is not in the library
P101 and P101.1	Physics for Scientists and Engineers University Physics Physics for Scientists and Engineers	Tipler Young Tipler	DSCI DSCI DSCI	QC21.2/.T549 2004 QC23/Y67 2000 QC21.2/.T549 2004	*note: previous editions were also used *note: the 2004 edition by Young and Freedman is the one mostly used now but is not in the library *note: previous editions were also used
P102 and P102.1	Physics <b>Physics for Scientists and Engineers</b> University Physics	Haliday Resnick and Krane Knight Young	Not in Library Not in Library DSCI		
P103 and P103.1	Physics for Scientists and Engineers University Physics	Tipler Young	DSCI DSCI	QC21.2/.T549 2004 QC23/Y67 2000	*note: the 2004 edition by Young and Freedman is the one mostly used now but is not in the library *note: previous editions were also used
P104 and P104.1 P111	Physics for Scientists and Engineers Nonclassical Physics Beyond Newton's View <b>Complex Variables and Applications</b> <b>Introductory Linear Algebra with Applications</b>	Tipler Harris <b>Brown and Churchill</b> <b>Kolman and Hill</b> Kreyszig	DSCI DSCI DENG DENG	QC21.2/.T549 2004 QC21.2/.H38 1998 QA 331/C524 1996 QA 184.2/K67 2005	*note: the 2004 edition by Young and Freedman is the one mostly used now but is not in the library *note: previous editions were also used
P112 and P113	Mathematical Methods for Physicists Mathematical Methods for Physicists <b>Complex Variables and Applications</b>	Arfken Arfken <b>Brown and Churchill</b>	DSCI DSCI DENG	QA37/.A73 2001 QA37/.A73 2001 QA 331/C524 1996	*note: previous editions were also used *note: previous editions were also used
P114	Mathematical Methods for Physicists <b>Hilbert Space</b>	Arfken <b>Berberian</b>	DSCI SF (Pampang)	QA37/.A73 2001 QA 691/B47	*note: previous editions were also used
P121 and P122	Classical Dynamics of Particles and Systems <b>Classical Mechanics</b>	Marion and Thornton <b>Gregory</b>	DSCI Not in Library	QA845/.T45 2004	*note: previous editions were also used
P131 and P132	<b>Introduction to Electrodynamics</b> Foundations of electromagnetic theory	<b>Griffiths</b> Reitz, Milford and Christy	Not in Library DSCI		
P141 and P142	Introduction to Quantum Mechanics Advanced Quantum Mechanics Quantum Physics	Griffiths Sakurai Gasiorowicz	DSCI DSCI DSCI	QC670/.R4 1993 QC 174.12/G75 1994 QC174.1/.S28 1967 QC174.12/G37 1974	
P151 and P152	<b>Quantum Mechanics</b> Fundamentals of Statistical and Thermal Physics Lecture Notes: Statistical and Thermal Physics Statistical Mechanics <b>Thermodynamics and statistical mechanicst</b>	<b>Merzbacher</b> Reif Gould and Tobochnik Huang <b>Greiner, Neise and Stocker</b>	DENG DSCI http://stp.clarku.edu/notes/ DSCI DENG	QC 174.12/M47 1998 QC175/.R43 1965 QC 311/G67 1995	*not available in hardcopy yet reference reference
P161 P165 and P166 P170 P180	Laser Electronics Optics Introduction to Solid State Physics a) Particles and nuclei b) Subatomic physics c) Nuclear and particle physics d) Modern elementary particle physics	Verdeyen Hecht Kittel Povh, Rith, Scholz and Zetsch <b>Frauenfelder and Henley</b> <b>W.S.C.Williams</b> Gordon Kane	DSCI DSCI DSCI DSCI Not in Library Not in Library DSCI	TA 1675/V47 1981 QC355.2/.H42 2002 QC176/K5 1986 QC776/.T4513 2004 QC793.2/.K63 1987	*note: a next edition is available in DENG TA 1675/V47 1989
P191, P192, P196, P196, P196	NO TEXTBOOK				
AP 155, AP156	<b>Physics by Computer: Programming Physical Problems Using Mathematica and C Learning Python 3rd ed</b> <b>An Introduction to Computational Physics 2nd Ed</b>	<b>Kinzel and Reents</b> <b>Lutz</b> <b>Pang</b>	Not in Library Not in Library Not in Library		
AP 171, AP175, AP176 AP173 AP181 and AP 182	NO FIXED TEXTBOOK Introduction to Solid State Physics The Art of Electronics Electronic Principles	Kittel Horowitz Malvino	DSCI DSCI DSCI	QC176/K5 1986 TK7815/H67 1989 TK7816/.M25 1999	
AP183	Control systems engineering <b>Modern Control Engineering</b> <b>Feedback Control Systems</b>	Nise <b>Ogata</b> <b>Philips and Habor</b>	DENG Not in Library Not in Library	TJ 213/N57 1995	reference reference reference
AP185	<b>Modern Control Systems Theory and Design</b> <b>Sensors and Circuits</b> <b>Introduction to Fourier Optics</b> <b>Digital Signal processing</b>	<b>Shinners</b> <b>Carr</b> <b>Goodman</b> <b>Proakis and Manolakis</b>	DENG DENG Not in Library Not in Library	TJ 213/S56 TK 7872/T6 C37	reference reference
AP186	<b>Digital Image Processing</b> <b>Handbook of Video and Image Processing</b>	<b>Gonzales &amp; Woods</b> <b>Bovik</b>	DENG Not in Library	TA 1632/G66 2008	
AP187	Applied Optics Optics	Levi Hecht	DSCI DSCI	QC371/.L48 1980 QC355.2/.H42 2002	reference reference
P221 P231 and P232 P241 and P242 P251	Classical Mechanics Classical Electricity and Magnetism <b>Quantum Mechanics I and II</b> A Modern Course in Statistical Physics	Goldstein Panofsky <b>Tannoudji and Cohen</b> Reichl	DSCI DSCI Not in Library DSCI	QA805/G6 1980 QC518/.P337 1955 QC174.8/.R44 1998	