

Course Number	Course Title	Assessment	Credits	Instruction Hour Allocation					Credits Distribution for Semesters														Responsible Unit	
				Total Hrs	Lec	Lab	Practice	Recitation	1	I	2	II	3	III	4	IV	5	V	6	VI	7	VII		8
									19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W		16 W
0004492	Optics I	General Assessment	4	64	64		0						4											College of Applied Sciences
0000080	Methods of Mathematical Physics	Exam	4	64	64		0						4											College of Applied Sciences
0000112	Fundamentals of Circuits Analysis III	Exam	4	64	52		12						4											College of Electronic Information and Control Engineering
0005765	Theoretical Mechanics (Chinese/English)	Exam	2	32	32		0						2											College of Applied Sciences
0003638	Classical Electrodynamics I	Exam	3.5	56	56		0								3.5									College of Applied Sciences
0005766	Thermodynamics & Statistical Physics -1	Exam	2.5	40	40		0								2.5									College of Applied Sciences
0000123	Digital Electronics	Exam	4	64	48		16								4									College of Electronic Information and Control Engineering
0000209	Analog Electronics II	Exam	4	64	48		16								4									College of Electronic Information and Control Engineering
0000246	Principle of Laser	General Assessment	3.5	56	56		0										3.5							College of Applied Sciences
0007283	Quantum Mechanics 1	Exam	3.5	56	56		0										3.5							College of Applied Sciences
0007233	Communication Principle	Exam	4	64	64		0										4							College of Applied Sciences
0000245	Solid State Physics	Exam	3	48	48		0												3					College of Applied Sciences
0007076	Freshmen Seminar Course	General Assessment	1	16	16					1														College of Applied Sciences
Discipline Requirements		Sub-total	43	688	644	0	44	0	1	0	0	0	14	0	14	0	11	0	3	0	0	0	0	
0003796	Laboratory of Chemistry and Environment	General Assessment	0.5	12	0	12			0.5															College of Environmental and Energy Engineering
0002438	General Physics Experiment-1	General Assessment	1	24	0	24			1															College of Applied Sciences
0004746	Machine Shop Training A	General Assessment	1	30	0		30		1															College of Mechanical Engineering and Applied Electronics Technology
0002439	General Physics Experiment-2	General Assessment	2	48	0	48					2													College of Applied Sciences
0003087	Practices of National Defense	General Assessment	1	30	0		30					1												Students' Affairs Office
0002440	General Physics Experiment-3	General Assessment	2	48	0	48							2											College of Applied Sciences
0000249	Modern Physics Experiments	General Assessment	2.5	60	0	60									2.5									College of Applied Sciences
0007069	Social Practices	General Assessment	2	48	0		48									2								School of Marxism
0007282	Computer Principle and Interface Experiments	General Assessment	1	24	0	24											1							College of Applied Sciences
0005783	Specialized Physics Experiments IV-1	General Assessment	1.5	36	0	36											1.5							College of Applied Sciences

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									19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W	16 W		
0005784	Specialized Physics Experiments IV-2	General Assessment	1.5	36	0	36												1.5					College of Applied Sciences		
0009004	Senior Project	General Assessment	16	480	0		480															16	College of Applied Sciences		
0007668	Cognitive Practice	General Assessment	1	30	0		30				1												College of Applied Sciences		
0007669	Professional Practice	General Assessment	4	120	0		120												4				College of Applied Sciences		
Practical Requirements		Sub-total	37	1026	0	288	738	0	2.5	0	2	2	2	0	2.5	2	2.5	0	1.5	4	0	0	16		
Practical Electives			6	180			180								2				2		2				
Discipline Electives			0	0	0		0																		
Major Requirements			14.5	232	232		0										7.5		5		2				
Major Electives			6	96	96		0										2		2		2				
GEESEM:EM			6	96	96		0												2		4				
General Education Electives			9	144	144		0												3		6				
Electives		Sub-total	35.5	568	568	0	0	0	0	0	0	0	0	0	2	0	9.5	0	12	0	14	0	0		
Total for Theoretical Instruction			144	2402	2230	0	92	80	22.5	0	22	2	26	0	22	0	20.5	0	15	0	14	0	0		
Total for Practical Instruction			43	1206	0	288	918	0	2.5	0	2	2	2	0	4.5	2	2.5	0	3.5	4	2	0	16		
Innovation Requirements			4	96			96												2		2				
Total			191	3704	2230	288	1106	80	25	0	24	4	28	0	26.5	2	23	0	20.5	4	18	0	16		

Notation: GEESEM:EM is the abbreviation for General Education Electives for Science and Engineering Majors: Economics and Management.

2012 Undergraduate Curriculum for Applied Physics (II)

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				Total Hrs	Lec	Lab	Practice	Recita- tion	1	I	2	II	3	III	4	IV	5	V	6	VI	7	VII		8
									19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W		16 W
0003651	Information Optics I	Exam	3.5	56	56		0									3.5								College of Applied Sciences
0005768	Crystal Optics	General Assessment	2	32	32		0									2								College of Applied Sciences
0007234	Computer Architecture and Interface	General Assessment	2	32	32		0									2								College of Applied Sciences
0001487	Principle of Optical Fiber Communications	General Assessment	2	32	32		0											2						College of Applied Sciences
0007235	Optoelectronics (Chinese/English)	Exam	3	48	48		0											3						College of Applied Sciences
0003654	Optical Fiber Communication Networks	General Assessment	2	32	32		0													2				College of Applied Sciences
0005770	Technique on the Physical Tests	General Assessment	2	32	32		0													2				College of Applied Sciences
Discipline Electives		Sub-total	16.5	264	264											7.5		5		4				
0001424	Principle and Application of Transducer	General Assessment	2	32	32		0									2								College of Applied Sciences
0005781	Computer Instrument	General Assessment	2	32	32		0									2								College of Applied Sciences
0003653	Data Communcation and Network I	General Assessment	3	48	48		0											3						College of Applied Sciences
0007236	Nano Optics & Technology	General Assessment	2	32	32		0											2						College of Applied Sciences
0005780	ARM Technique and Its Application	General Assessment	3	48	48		0											3						College of Applied Sciences
0001511	Technology of Laser Materials Processing	General Assessment	2	32	32		0											2						Institute of Laser Engineering (ILE)
0006519	Communication and Interface Technology (Self-learning)	General Assessment	2	32	32		0													2				College of Applied Sciences
0007237	Technology of Modern Holographic Display (Self-learning)	General Assessment	2	32	32		0													2				College of Applied Sciences
0007238	Frontiers in Ultra-short, Ultra-intense Laser Technique and Physics (Self-learning)	General Assessment	2	32	32		0													2				College of Applied Sciences
0007239	Atomic Physics	General Assessment	2	32	32		0									2								College of Applied Sciences
0007240	Quantum Mechanics 2	General Assessment	2	32	32		0											2						College of Applied Sciences
0007241	Gravity and Cosmology	General Assessment	2	32	32		0											2						College of Applied Sciences
0005778	Introduction to Modern Physics	General Assessment	3	48	48		0											3						College of Applied Sciences
0007242	Photoelectric Thin Film and Device	General Assessment	2	32	32		0									2								College of Applied Sciences

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									19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W	18 W	3 W	19 W	0 W		16 W
0002436	Computational Physics	General Assessment	2	32	32		0											2					College of Applied Sciences	
Major Requirements		Sub-total	33	528	528											8		19		6				
0001212	Practice of Electronics Processing Technology I	General Assessment	2	60			60								2								College of Electronic Information and Control Engineering	
0005787	Course Project of Information Optics	General Assessment	2	60			60											2					College of Applied Sciences	
0006247	Course Project 1 of Optical Communication Technology	General Assessment	2	60			60											2					College of Applied Sciences	
0006248	Course Project 2 of Optical Communication Technology	General Assessment	2	60			60													2			College of Applied Sciences	
0007243	Computation Technology for Physics and Engineering	General Assessment	2	60			60													2			College of Applied Sciences	
0007244	Application of Sensors & Virtual Instrument in Physics Experiment	General Assessment	1	30			30													1			College of Applied Sciences	
Major Electives		Sub-total	11	330			330								2				4		5			

Vice-Director:

Vice-President:

Date:

Date: