



**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),
Sivakasi**

(Affiliated to Madurai Kamaraj University, Reaccredited with "A" Grade by NAAC,
College with Potential for Excellence by UGC & Mentor Institution under UGC PARAMARSH)

NAAC SSR Cycle IV (2015-2020)

1.1. CURRICULUM DESIGN AND DEVELOPMENT

1.1.2. REVISION OF SYLLABUS

**PERCENTAGE OF SYLLABUS REVISION
2020 AND LATER**



**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),
SIVAKASI – 626 123.**

(Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC,
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DEPARTMENT OF PHYSICS
PERCENTAGE OF SYLLABUS REVISION
B.SC PHYSICS
2020 AND LATER


THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),
SIVAKASI.
DEPARTMENT OF PHYSICS
B. SC PHYSICS – PROGRAMME CODE: BDPH
(For those who have joined in June 2020 and later)


S.No.	Components	Number of courses having changes
1.	Part I	4
2.	Part II	2
3.	Part III	16
4.	Part IV	3
Total		25

Total Number of Courses having changes :25

Total Number of Courses :62

Percentage of Revision :40.32%


Signature of the HOD with Seal
Dr.(Mrs) S.SIVA DEVI
HOD of Physics
The S.F.R.College for Women
SIVAKASI - 626 123.


Dr. T. Palaneeswari
PRINCIPAL
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SIVAKASI.



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**DEPARTMENT OF PHYSICS
PERCENTAGE OF SYLLABUS REVISION**

**B.SC PHYSICS
2020 AND LATER**

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DEPARTMENT OF PHYSICS
B. SC PHYSICS – PROGRAMME CODE: BDPH
(For those who have joined in June 2020 and later)

S. No	Course Code	Course Title
1.	BDPH11	Mechanics and Properties of Matter
2.	BDPH12	Physics applications in Everyday life
3.	BDPH21	Optics
4.	BDPH2L	Properties of Matter Lab
5.	BDPH31	Electricity
6.	BDPH32	Electromagnetism
7.	BDPH4L	Electricity and Electronics lab
8.	BDPH4DSL	Lab - Scientific Skill Development
9.	BDPH51	Classical Mechanics
10.	BDPH5L	General Physics Lab – I
11.	BDPH5E2	Atomic and Nuclear Physics
12.	BDPH61	Solid State Physics
13.	BDPH62	Quantum Physics and Relativity
14.	BDPH6L	General Physics Lab - II
15.	BDPH6E1	Thermodynamics & Statistical Thermodynamics
16.	BDPH5V	Internship/ On –The - Job Training


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DEPARTMENT OF PHYSICS

PERCENTAGE OF SYLLABUS REVISION

B.SC PHYSICS

2020 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI
DEPARTMENT OF PHYSICS
B.Sc. PHYSICS PROGRAMME
(For those who have joined in June 2020 and later)
OUTCOME BASED EDUCATION WITH CHOICE BASED CREDIT SYSTEM
PROGRAMME CODE – BDPH
PROGRAMME SCHEME

Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Marks Allotted		
						Internal	External	Total
Semester I								
Part I	BDGT11/ BDGH11/ BDGF11	சங்க இலக்கியமும் உரைநடையும்/ Hindi Language Course – I / French Language Course – I	6	3	3	40	60	100
	Part II	BDGE11	English for Communication -I	6	3	3	40	60
Part III		Major Courses	4	4	3	40	60	100
		BDPH11 Mechanics and Properties of Matter	3	3	3	40	60	100
		BDPH12 Physics applications in Everyday life	3	3	3	40	60	100
		- Properties of Matter Lab	3	-	-	-	-	-
Part IV	BDCH1A	Allied Courses Fundamentals of Chemistry	4	4	3	40	60	100
	-	Volumetric Analysis	2	-	-	-	-	-
Part IV	BDES11	Value Added Course Environmental studies	2	2	2	40	60	100
			Total	30	19			600
Semester II								
Part I	BDGT21/ BDGH21/ BDGF21	அறிவுலக்கிய மும் தன்முன்னேற்றக்கட்டுரை களும் / Hindi Language Course -II / French Language Course – II	6	3	3	40	60	100
	Part II	BDGE21	English for Communication -II	6	3	3	40	60
Part III		Major Courses	5	5	3	40	60	100
		BDPH21 Optics	3	4	3	50	50	100
		BDPH2L Properties of Matter Lab	4	4	3	40	60	100
		BDCH2A Physical and Industrial Chemistry	2	2	3	50	50	100
Part IV	BDCH2AL	Volumetric Analysis	2	2	3	50	50	100
	BDVG21	Value Added Course Value Education & Gender Studies	2	2	2	40	60	100
Part V	BDCL23	Skill Based Course Introduction to Computers & MS office	2	2	2	40	60	100
	BDSA2	Social Awareness Programme and Physical Education	-	1	-	-	-	100
			Total	30	26			900
Field visit mandatory for the course BDPH21 – Optics								
Semester III								
Part I	BDGT31/ BDGH31/ BDGF31	சமய இலக்கிய மும் நடைமும்/ Hindi Language Course -III / French Language Course – III	6	3	3	40	60	100
	Part II	BDGE31	English for Enrichment-I	6	3	3	40	60
Part III		Major Courses	5	5	3	40	60	100
		BDPH31 Electricity	4	4	3	40	60	100
		BDPH32 Electromagnetism	3	-	-	-	-	-
	-	Electricity and Electronics lab	3	-	-	-	-	-
	-	Allied Courses	6	5	3	40	60	100

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PERCENTAGE OF SYLLABUS REVISION**

B.SC PHYSICS

2020 AND LATER

	BDMT3A1	Allied Mathematics – I	Total	30	20				500
Field visit mandatory for the course BDPH32- Electromagnetism									
Semester IV									
Part I	BDGT41/ BDGH41/ BDGF41	கவிதை இலக்கியமும் சிறுகதையும்/ Hindi Language Course -IV/ French Language Course – IV	6	3	3	40	60	100	
Part II	BDGE41	English for Enrichment-II	6	3	3	40	60	100	
Part III	BDPH41	Major Courses Basic Electronics	5	5	3	40	60	100	
	BDPH4L	Electricity and Electronics lab	3	4	3	50	50	100	
Part IV	BDMT4A1 BD4N	Allied Course Allied Mathematics – II	6	5	3	40	60	100	
	BDPH4DSL	Non Major Elective Course Skill Based Course Discipline Specific Course Lab - Scientific Skill Development	2	2	2	40	60	100	
			2	2	3	50	50	100	
Total			30	24				700	
Semester V									
Part III	BDPH51	Major Courses Classical Mechanics	6	5	3	40	60	100	
	BDPH5L	Physics Lab – I	6	5	3	50	50	100	
	-	Project	3	-	-	-	-	-	
	BDPH5V	Internship/ On –The – Job Training	-	1	-	-	100	100	
	BDPH5E1/ BDPH5E3	Major Elective Courses Digital Electronics / Fibre optics	5	5	3	40	60	100	
Part IV	BDPH5E2/ BDPH5E4	Atomic and Nuclear Physics / Energy physics	5	4	3	40	60	100	
	BD5N	Non Major Elective Course	2	2	2	40	60	100	
	BDCG51	Skill Based Course Career Guidance	2	2	2	40	60	100	
-	Library and Information Science	1	-	-	-	-	-		
Total			30	24				700	
Study tour / Field visit mandatory for the course BDPH5L - Physics Lab – I									
Semester VI									
Part III	BDPH61	Major Courses Fundamentals of Solid State Physics	6	5	3	40	60	100	
	BDPH62	Quantum Physics and Relativity	5	5	3	40	60	100	
	BDPH6L	Physics Lab – II	6	5	3	50	50	100	
	BDPH6P	Project	3	3	3	50	50	100	
	BDPH6E1/ BDPH6E2	Major Elective Course Thermodynamics & Statistical Thermodynamics / Instrumentation Techniques	5	5	3	40	60	100	
Part IV	BDSE/ BDJO	Skill Based Courses (Open to all) Self Employment/ Job Oriented courses – Theory	2	2	2	40	60	100	
	BDSE/ BDJO	Self Employment/ Job Oriented courses – Practical	2	2	3	50	50	100	
	-	Library and Information Science	1	-	-	-	-	-	
Total			30	27				700	

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DEPARTMENT OF PHYSICS
PERCENTAGE OF SYLLABUS REVISION
B.SC PHYSICS
2020 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI
DEPARTMENT OF PHYSICS
COURSES OFFERED FOR OTHER MAJOR STUDENTS

Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Marks Allotted		
						Internal	External	Total
Semester I								
Part III	BDPH1A	Allied Courses for Chemistry and Maths Major Students Fundamental Physics	4	4	3	40	60	100
	-	Fundamental Physics Lab	2	-	-	-	-	-
Semester II								
Part III	BDPH2A1	Allied Courses for Maths Major Students Digital Electronics	4	4	3	40	60	100
	BDPH2A2	Allied Courses for Chemistry Major Students Solid State Physics and Digital Electronics	4	4	3	40	60	100
	BDPH2AL	Fundamental Physics Lab	2	2	3	50	50	100
Semester IV								
Part IV	BDPH4N	Non Major Elective Course Basics of Solar energy	2	2	2	40	60	100
Semester V								
Part IV	BDPH5N	Non Major Elective Course Physics for the new world	2	2	2	40	60	100
Semester VI								
Part IV	BDSE66	Skill Based Courses (Open to all) Self Employment Courses Domestic Electrical Appliances Servicing	2	2	2	40	60	100
	BDSE66L	Domestic Electrical Appliances Servicing – Lab	2	2	3	50	50	100

Extra Credit Course (Open to All)

Semester	Course Code	Course Title	Total Contact Hours	Credits	Duration of Exam (Hours)	Marks Allotted		
						Internal	External	Total
Odd/ Even	ADPHEC1	Nanotechnology	2	2	3	40	60	100
Odd/ Even	ADPHEC2	Physics for Competitive examinations	2	2	3	40	60	100

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B.SC PHYSICS
2020 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI
DEPARTMENT OF PHYSICS
CERTIFICATE PROGRAMME IN DIGITAL PHOTOGRAPHY AND PHOTOSHOP
(For those who have joined in 2020 and later)

Course code	Course title	Teaching Hours	Credits	Duration of Exams (Hrs.)	Marks Allotted		
					Internal	External	Total
CCDP11	Photography and photoshop techniques	30	5	3	40	60	100
CCDP1L	Photography and photoshop techniques-Lab	30	5	3	50	50	100


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NAAC SSR Cycle IV (2015-2020)

1.1. CURRICULUM DESIGN AND DEVELOPMENT

1.1.2. REVISION OF SYLLABUS

**PERCENTAGE OF SYLLABUS REVISION
2017 AND LATER**



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PERCENTAGE OF SYLLABUS REVISION**

**B.SC PHYSICS
2017 AND LATER**

**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),
SIVAKASI.
DEPARTMENT OF PHYSICS
B. SC PHYSICS – PROGRAMME CODE: GLPH
(For those who have joined in June 2017 and later)**

S.No.	Components	Number of courses having changes
1.	Part I	4
2.	Part II	4
3.	Part III	2
4.	Part IV	4
Total		14

Total Number of Courses having changes :14

Total Number of Courses :50

Percentage of Revision :28%

Signature of the HOD with Seal

Dr.(Mrs) S.SIVA DEVI
HOD of Physics
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B.SC PHYSICS

2017 AND LATER

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DEPARTMENT OF PHYSICS
B. SC PHYSICS – PROGRAMME CODE: GLPH
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Course Code	Course Title
GLPH12	Physics applications in Everyday life
GLPH2A2	Solid State Physics and Digital Electronics(Chemistry)


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PERCENTAGE OF SYLLABUS REVISION**

B.SC PHYSICS

2017 AND LATER

Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Marks Allotted		
						Internal	External	Total
Semester I								
Part I	GLGT11/ GLGH11/ GLGF11	சங்க இலக்கியமும் உரைநடையும்/ Hindi Language Course – I/ French Language Course - I	6	3	3	25	75	100
Part II	GLGE11	Communicative English-I	6	3	3	25	75	100
Part III	GLPH11	Mechanics and Properties of Matter	4	4	3	25	75	100
	GLPH12	Physics applications in Everyday life	3	3	3	25	75	100
	GLPH1A	Fundamental Physics (Maths& Chemistry)	4	4	3	25	75	100
Part IV	GLPE11	Peace Education	2	2	2	25	75	100
Total			25	19				600
Semester II								
Part I	GLGT21/ GLGH21/ GLGF21	காப்பிய இலக்கியமும் புதினமும்/ Hindi Language Course -II / French Language Course - II	6	3	3	25	75	100
Part II	GLGE21	Communicative English-II	6	3	3	25	75	100
Part III	GLPH21	Optics	5	5	3	25	75	100
	GLPH2L	Lab I	6	4	3	40	60	100
	GLPH2A1	Digital Electronics (Maths)	4	4	3	25	75	100
	GLPH2A2	Solid State Physics and Digital Electronics(Chemistry)	4	4	3	25	75	100
Part IV	GLS21	Value Added Course Environmental studies	2	2	2	25	75	100
	GLCL23	Value Added Course Introduction to Computers and MS office	2	2	2	25	75	100
Part V	-	Extension Activities – Physical Education and Social Awareness Programme		1				100
Total			35	28				900
Semester III								
Part I	GLGT31/ GLGH31/ GLGF31	சமய இலக்கியமும் நாடகமும்/ Hindi Language Course –III / French Language Course - III	6	3	3	25	75	100
Part II	GLGE31	Communicative English-III	6	3	3	25	75	100
Part III	GLPH31	Electricity	4	4	3	25	75	100
	GLPH32	Electromagnetism	3	3	3	25	75	100
Part IV	GLPH3N	Physics for the new world	2	2	2	25	75	100
Total			32	21				700
Semester IV								
Part I	GLGT41/ GLGH41/ GLGF41	கவிதை இலக்கியமும் சிறுகதையும்/ Hindi Language Course -IV/ French Language Course - IV	6	3	3	25	75	100
Part II	GLGE41	Communicative English-IV	6	3	3	25	75	100

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Part III	GLPH41	Basic Electronics	5	5	3	25	75	100
	GLPH4L	Lab II	6	4	3	40	60	100
Part IV	GLPH4N	Solar Energy and its Applications	2	2	2	25	75	100
	GLPH4DSL	Skill Based Course Discipline Specific Course Scientific Skill Development	2	2	2	40	60	100
Total			27	19				600
Semester V								
Part III	GLPH51	Classical Mechanics	6	5	3	25	75	100
	GLPH5E1	Digital Electronics	5	5	3	25	75	100
	GLPH5E2	Atomic and Nuclear Physics	5	5	3	25	75	100
	GLPH5E3	Fiber optics	5	5	3	25	75	100
	GLPH5E4	Energy physics	5	5	3	25	75	100
Part IV	GLGV51	Value Added Course Career Guidance and Subject Viva	2	2	2	25	75	100
	GLWS51	Value Added Course Women Studies	2	2	2	25	75	100
Total			30	29				700
Semester VI								
Part III	GLPH61	Solid State Physics	6	5	3	25	75	100
	GLPH62	Wave mechanics	5	5	3	25	75	100
	GLPH6L	Lab IV	6	5	3	40	60	100
	GLPH6E1	Thermodynamics	5	5	3	25	75	100
	GLPH6E2	Bio physics	5	5	3	25	75	100
Part IV	GLSE66	Skill Based Courses (Open to all) Self-Employment courses Domestic Electrical Appliances Servicing	2	2	2	25	75	100
	GLSE66L	Self-Employment courses Domestic Electrical Appliances Servicing – Lab	2	2	3	40	60	100
Total			31	29				700


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PERCENTAGE OF SYLLABUS REVISION**


B.SC PHYSICS

2017 AND LATER

Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Marks Allotted		
						Internal	External	Total
Semester I								
Part III	GLPH1A	Allied Course for I B. Sc Mathematics and Chemistry Major Students Fundamental Physics (Maths & Chemistry)	4	4	3	25	75	100
Semester II								
Part III	GLPH2A1	Allied Course for I B. Sc Mathematics Major Students Digital Electronics (Maths)	4	4	3	25	75	100
	GLPH2A2	Allied Courses for I B. Sc Chemistry Major Students Solid State Physics and Digital Electronics (Chemistry)	4	4	3	25	75	100
	GLPH2AL	Allied Lab (Maths & Chemistry)	2+2	2	3	40	60	100
Semester III								
Part IV	GLPH3N	Non Major Elective Course Physics for the new world	2	2	2	25	75	100
Semester IV								
Part IV	GLPH4N	Non Major Elective Course Solar Energy and its Applications	2	2	2	25	75	100
Semester VI								
Part IV	GLSE66	Skill Based Courses (Open to all) Self-Employment Courses / JOC Domestic Electrical Appliances Servicing	2	2	2	25	75	100
	GLSE66L	Domestic Electrical Appliances Servicing - Lab	2	2	3	40	60	100

Extra Credit Course (Open to All)

Semester	Course Code	Course Title	Total Contact Hours	Credits	Duration of Exam (Hours)	Marks Allotted		
						Internal	External	Total
Odd/Even	GLPHEC1	Nanotechnology	2	2	3	25	75	100
Odd/Even	GLPHEC2	Physics for Competitive examinations	2	2	3	25	75	100


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B.SC PHYSICS

2017 AND LATER

Course code	Course title	Teaching Hours	Credits	Duration of Exams (Hrs.)	Marks Allotted		
					Internal	External	Total
ACDP11	Digital Photography and Photoshop	30	5	3	25	75	100
ACDP1L	Digital Photography and Photoshop - Lab	30	5	3	40	60	100


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Dr. T. Palaneeswari
PRINCIPAL
The Standard Fireworks Rajaratnam
College for Women,
SIVAKASI.



**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),
Sivakasi**

(Affiliated to Madurai Kamaraj University, Reaccredited with "A" Grade by NAAC,
College with Potential for Excellence by UGC & Mentor Institution under UGC PARAMARSH)

NAAC SSR Cycle IV (2015-2020)

1.1. CURRICULUM DESIGN AND DEVELOPMENT

1.1.2. REVISION OF SYLLABUS

**PERCENTAGE OF SYLLABUS REVISION
2014 AND LATER**



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DEPARTMENT OF PHYSICS
PERCENTAGE OF SYLLABUS REVISION
B.SC PHYSICS
2014 AND LATER

**THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS),
SIVAKASI.**

DEPARTMENT OF PHYSICS

B. Sc Physics – Programme code: 14UPH


(For those who have joined in June 2014 and later)

S.No.	Components	Number of courses having changes
1.	Part I	4
2.	Part II	4
3.	Part III	12
4.	Part IV	2
Total		22

Total Number of Courses having changes : 22

Total Number of Courses : 42

Percentage of Revision : 52.38%


Signature of the HOD
Dr. (Mrs) S.SIVA DEVI
HOD of Physics
The S.F.R.College for Women
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Principal
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DEPARTMENT OF PHYSICS
PERCENTAGE OF SYLLABUS REVISION
B.SC PHYSICS
2014 AND LATER

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI
DEPARTMENT OF PHYSICS
B.Sc. PHYSICS PROGRAMME
(For those who have joined in 2014 and later)
CHOICE BASED CREDIT SYSTEM
PROGRAMME CODE – 14UPH
PROGRAMME SCHEME

Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Marks Allotted		
						Internal	External	Total
Semester I								
Part I	14UGT11/ 14UGH11/ 14UGF11	தற்கால இலக்கியம்/ Hindi Language Course – I/ French Language Course - I	6	3	3	25	75	100
Part II	14UGE11	Communicative English-I	6	3	3	25	75	100
Part III	14UPH11	Basic Physics	4	4	3	25	75	100
	14UPH12	Physics in Everyday life	3	3	3	25	75	100
Part IV	14UPH1A	Fundamental Physics (Maths & Chemistry)	4	4	3	25	75	100
	14UPE11	Peace Education	2	2	2	25	75	100
Total			25	19				500
Semester II								
Part I	14UGT21/ 14UGH21/ 14UGF21	பக்தி இலக்கியம்/ Hindi Language Course -II / French Language Course - II	6	3	3	25	75	100
Part II	14UGE21	Communicative English-II	6	3	3	25	75	100
Part III	14UPH21	Optics	5	5	3	25	75	100
	14UPH2E	Practical I	6	4	3	40	60	100
	14UPH2A1	Digital Electronics	4	4	3	25	75	100
	14UPH2A2	Solid State Physics (Chemistry)	4	4	3	25	75	100
Part IV	14UPH2AL	Allied Practical (Maths & Chemistry)	2+2	2	3	40	60	100
	14UES21	Value Added Course Environmental studies	2	2	2	25	75	100
Part V	14UCL23	Value Added Course Introduction to Computers and MS office	2	2	2	25	75	100
	-	Extension Activities – Physical Education and Social Awareness Programme		1				100
Total			35	26				900
Semester III								
Part I	14UGT31/ 14UGH31/ 14UGF31	காப்பிய இலக்கியம்/ Hindi Language Course –III / French Language Course - III	6	3	3	25	75	100
Part II	14UGE31	Communicative English-III	6	3	3	25	75	100
Part III	14UPH31	Electricity	4	4	3	25	75	100
	14UPH32	Electromagnetism	3	3	3	25	75	100
Part IV	14UPH3N	Non Major Elective I Physics for the New World	2	2	2	25	75	100
Total			21	15				500
Semester IV								
Part I	14UGT41/	சங்க இலக்கியம்/ Hindi Language	6	3	3	25	75	100

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DEPARTMENT OF PHYSICS
PERCENTAGE OF SYLLABUS REVISION
B.SC PHYSICS
2014 AND LATER

	14UGH41/ 14UGF41	Course -IV/ French Language Course - IV							
Part II	14UGE41	Communicative English-IV	6	3	3	25	75	100	
Part III	14UPH41	Basic Electronics	5	5	3	25	75	100	
	14UPH4L	Practical II	6	4	3	40	60	100	
Part IV	14UPH5N	Non Major Elective II Solar Energy and its Applications	2	2	2	25	75	100	
	14USK41	Soft Skill Enhancement	2	2	-	40	60	100	
Total			27	19				600	
Semester V									
Part III	14UPH51	Classical Mechanics	6	5	3	25	75	100	
	14UPH5L	Practical III	6	5	3	40	60	100	
	14UPH5E1	Digital Electronics	5	5	3	25	75	100	
	14UPH5E2	Atomic and Nuclear Physics	5	5	3	25	75	100	
	14UPH5E3	Fiber Optics	5	5	3	25	75	100	
Part IV	14UPH5E4	Energy Physics	5	5	3	25	75	100	
	14UGV51/ 15UGV51	Value Added Course Career Guidance and Subject Viva	2	2	2	25	75	100	
	4UWS51	Value Added Course Women Studies	2	2	2	25	75	100	
Total			36	34				800	
Semester VI									
Part III	14UPH61	Solid State Physics	6	5	3	25	75	100	
	14UPH62	Wave Mechanics	5	5	3	25	75	100	
	14UPH6L	Practical IV	6	5	3	40	60	100	
	14UPH6P	Project	6	3	-	-	100	100	
	14UPH6E1	Thermodynamics	5	5	3	25	75	100	
Part IV	14UPH6E2	Bio Physics	5	5	3	25	75	100	
	14USE66	Skill Based Courses (Open to all) Self-Employment/ Job Oriented courses – Theory	2	2	2	25	75	100	
	14USE66L	Self-Employment/ Job Oriented courses – Practical	2	2	3	40	60	100	
Total			37	32				800	

THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI
DEPARTMENT OF PHYSICS
COURSES OFFERED FOR OTHER MAJOR STUDENTS

Component	Course Code	Course Title	Teaching Hours Per Week	Credits	Duration of Exam. (Hrs.)	Marks Allotted		
						Internal	External	Total
Semester I								
Part III	14UPH1A	Allied Courses for I B. Sc Mathematics and Chemistry Major Students Fundamental Physics (Maths & Chemistry)	4	4	3	25	75	100
Semester II								
Part III	14UPH2A1	Allied Courses for I B. Sc Mathematics Major Students Digital Electronics (Maths)	4	4	3	25	75	100

S.D.
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B.SC PHYSICS
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	14UPH2A2	Digital Electronics & Solid State Physics(Chemistry)	4	4	3	25	75	100
	14UPH2A L	Allied Practical (Maths& Chemistry)	2+2	2	3	40	60	100
Semester III								
Part IV	14UPH3N	Non Major Elective Course NME I – Physics for the New World	2	2	2	25	75	100
Semester V								
Part IV	14UPH5N	Non Major Elective Course NME II - Solar Energy and its Applications	2	2	2	25	75	100
Semester VI								
Part IV	14USE66	Skill Based Courses (Open to all) Self-Employment Courses / JOC Domestic Electrical Appliances Servicing	2	2	2	25	75	100
	14USE66L	Practical – Domestic Electrical Appliances Servicing	2	2	3	40	60	100

Extra Credit Course (Open to All)

Semester	Course Code	Course Title	Total Contact Hours	Credits	Duration of Exam (Hours)	Marks Allotted		
						Internal	External	Total
Odd/ Even	14UPHEC	Nanotechnology	30 hours per semester	2	3	25	75	100

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DEPARTMENT OF PHYSICS
(For those admitted in June 2014 and later)

Certificate Programme in Digital Photography and Photoshop

Sem.	Course Code	Course Title		Teaching Hrs	Credit	Exam. Hrs	Marks		
							Internal	External	Total
	14XCDP1	Digital Photography and Photoshop	Theory	45	5	3	25	75	100
	14XCDPL	Digital Photography and Photoshop-Lab	Practical	45	4	3	40	60	100

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