



SILLIMAN UNIVERSITY
DUMAGUETE CITY

School/College: _____

SILLIMAN UNIVERSITY / COLLEGE OF ARTS AND SCIENCES

Program Name: _____

BS PHYSICS

Curriculum Year: _____

2018-2019

(Subject Code must be in Odd Numbers)

(Subject Code must be in Even Numbers)



FIRST YEAR

First Semester

Second Semester

Subject code should start with ex. number 11.

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
GE 1	Understanding the Self	3		3	
GE 2	Reading in the Philippine History	3		3	
GE 3	The Contemporary World	3		3	
GE 4	Mathematics in the Modern World	3		3	
GE 5	Purposive Communication	3		3	
CHS 1	Reading and Interpreting Hebrew Scriptures	3		3	
Math 23	Calculus 1	5		5	SHS Pre-Cal & Basic Cal
NSTP 1	National Service Training Program	3		3	
PE 1	Physical Fitness and Swimming	2		2	
TOTAL:					28

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
GE 6	Art Appreciation	3		3	
GE 7	Science, Technology, and Society	3		3	
GE 8	Ethics	3		3	
GE 9	The Life and Works of Jose Rizal	3		3	
GE 10	Retorika: Ang Sining ng Pagpapahayag	3		3	
CHS 2	Reading and Interpreting Christian Scriptures	3		3	CHS 1
Math 24	Calculus 2	5		5	Math 23
NSTP 2	National Service Training Program	3		3	NSTP 1
PE 2	Physical Education	2		2	PE 1
TOTAL:					28

Submitted by: **Prof. Francisco E. Ablong, Jr.**
Chairman, Physics Department

SECOND YEAR

First Semester

Subject code should start with ex. number

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
GE 11	Panitikan	3		3	GE 10
Phys 1	Selected Topics in Mechanics, Acoustic, & Thermodynamics	3	1	4	Phys 1 & 2 SHS
Phys 3	Computational Physics 1	3		3	
Phys 5	Basic Meteorology	3	2	5	
Phys 7	Basic Astronomy	3	2	5	
Math 31	Calculus 3	5		5	Math 24
PE 3	Physical Education	2		2	PE 2
TOTAL:					27

Second Semester

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
GE12 / CHS 3	Christianity and Peace-Building	3		3	
Phys 2	Selected Topics in Electricity, Optics, & Modern Physics	3	1	4	Phys 1
Phys 4	Computational Physics 2	3		3	Phys 3
Phys 6	Geophysics	3	2	5	
Phys 8	Biophysics	3	2	5	
PE 4	Physical Education	2		2	PE 3
TOTAL:					22

THIRD YEAR

First Semester

Subject code should start with ex. number 33.

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
Phys 9	Mathematical Physics 1	6		6	SHS Phys 2 & Pre. Cal.
Phys 11	Theoretical Mechanics 1	3		3	SHS Phys 2 & Basic Cal.
Phys 13	Optics	3	2	5	SHS Phys 2 & Basic Cal.
Phys 15	Fundamental of Scientific Report	2		2	Phys 4
Phys 17	Electromagnetic Theory 1	3	1	4	SHS Phys 2 & Basic Cal.
Phys 19	Computer Interfacing	4		4	SHS Phys 2 & Phys 4
Math 33	Differential Equations	3		3	
TOTAL:					27

Second Semester

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
Phys 10	Mathematical Physics 2	6		6	Phys 9
Phys 12	Theoretical Mechanics 2	3		3	Phys 11
Phys 14	Special Topics	3		3	
Phys 16	Micro Electronics	3	2	5	
Phys 18	Electromagnetic Theory 2	3	1	4	Phys 17
Phys 20	Computer & Data Handling	3		3	Phys 19
TOTAL:					24

FOURTH YEAR

First Semester

Second Semester

Subject code should start with ex. number 44.

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
Phys 21	Modern Physics 1	3	1	4	SHS Phys 2 & Basic Cal.
Phys 23	Quantum Mechanics 1	3		3	SHS Phys 2
Phys 25	Statistical Physics	4	1	5	SHS Stats and Probs
Phys 27	Experimental Physics 1	1	2	3	SHS Phys 2
Phys 29	Undergraduate Research	1	2	3	Senior Standing
TOTAL:					18

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
Phys 22	Modern Physics 2	3	1	4	Phys 21
Phys 24	Quantum Mechanics 2	3		3	Phys 23
Phys 26	Experimental Physics 2	1	2	3	Phys 27
Phys 28	Undergraduate Seminar	1		1	Senior Standing
Phys 30	Undergraduate Thesis	1	2	3	Phys 29 Senior Standing
TOTAL:					14

Total credits:

188

Note: Admission Requirements; All strands will be accepted/admitted

Augmentation Learning Activities

Subjects	Units	Schedule Offering
Physics 00	6	
Earth Science 00	3	
DRRR 00	3	

Summary of Curriculum Components

	Units
General Education Subjects	36
Major Subjects	105
Major Electives	
Cognate Subjects	18
Practicum/Thesis/OJT	9
NSTP	6
PE	8
Institutional Required Subjects	6
Total credit units	188

Remarks:

1. As of the date of the submission of this revised BS Physics curriculum to the CAS Dean's office, there is still no CHED CMO pertaining to the BS Physics curriculum.
2. Almost all of the major courses are similar to that of the BS Physics program at the National Institute of Physics of UP Diliman.
3. The over-all total number of units of this revised curriculum is equal with the existing curriculum. This is inclusive of all the mandated CHED GE courses and the SU institutional required courses.

Admission Requirements/Policy for incoming 1st year:

The Physics Department observes the Open Admission, Selective Retention Policy in its curricular offering.