



Department of Physics
Rishi Bankim Chandra Evening College
Naihati, North 24 Parganas, PIN - 743165, West Bengal, India
Phone: (033) 2581-1281 ♦ Email: rbcecphys1947@gmail.com

Ref. No.

Date:

Course Distribution for B.Sc. Physics General Course 2019-20
(Based on CBCS and 1+1+1 system syllabus of West Bengal State University)

Semester I (July 2019 to December 2019)

3.1 GE T1 - Mechanics

No. of Lectures: 60 Lectures

4 Credits

Course Matter

Mathematical Methods
Particle Dynamics
Gravitation
Oscillations
Elasticity
Special Theory of Relativity

Resource Person

A. A. – Mr. Abhisek Adhikari
D. H. –Dr. Debojyoti Halder
D. H. –Dr. Debojyoti Halder
A. A. – Mr. Abhisek Adhikari
D. H. –Dr. Debojyoti Halder
D. H. –Dr. Debojyoti Halder

Semester III (July 2019 to December 2019)

3.1 GE T3 - Thermal Physics and Statistical Mechanics

No. of Lectures: 60 Lectures

4 Credits

Course Matter

Laws of Thermodynamics
Thermodynamical Potentials
Kinetic Theory of Gases
Theory of Radiation
Statistical Mechanics

Resource Person

D. H. –Dr. Debojyoti Halder
S. P. – Dr. Suman Paul
D. H. –Dr. Debojyoti Halder
D. H. –Dr. Debojyoti Halder
S. P. – Dr. Suman Paul

Principal
R.B.C.E.C., Naihati

Head
Department of Physics,



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Semester II (January 2020 to June 2020)

3.3 GE T2 - Electricity and Magnetism

No. of Lectures: 60 Lectures

4 Credits

Course Matter

Vector Analysis
Electrostatics
Magnetism
Electromagnetic Induction
Linear Network
Maxwell's Equations and Electromagnetic Wave
Propagation

Resource Person

A. A. - Mr. Abhisek Adhikari
D. H. - Dr. Debojyoti Halder
D. H. - Dr. Debojyoti Halder
D. H. - Dr. Debojyoti Halder
A. A. - Mr. Abhisek Adhikari
D. H. - Dr. Debojyoti Halder

Semester IV (January 2020 to June 2020)

3.3 GE T4 - Waves and Optics

No. of Lectures: 60 Lectures

4 Credits

Course Matter

Superposition of Two Collinear &
Perpendicular Harmonic oscillations
Waves Motion- General
Sound
Fluids
Wave Optics
Interference & Diffraction & Polarization

Resource Person

S. P. - Dr. Suman Paul

D. H. - Dr. Debojyoti Halder
S. P. - Dr. Suman Paul
S. P. - Dr. Suman Paul
D. H. - Dr. Debojyoti Halder
D. H. - Dr. Debojyoti Halder

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Academic Calendar for B.Sc. Physics General Course 2019-20

(Based on CBCS and 1+1+1 system syllabus of West Bengal State University)

3rd Year (2018-19)

Paper – IV

S. B. – Mr. Swarup Bhunia

Group - A

Course Matter

No. of Lectures

Resource Person

1. Mechanics & Thermodynamics
2. Heat Engines
3. Energy Sources
(Conventional &
Non-Conventional)

6
8
8 + 8

A. A.
A. A.
D. H.

1. Electronics
2. Digital Electronics

12
5

D. H.
D. H.

1. Communication
2. Transmission of
Electromagnetic Waves
3. Transmission through Media

4
10
6

D.H.
S. P.
S. P.

1. Computer Hardware
2. Programming in C

7
8

S. P.
S. P.

Total No. of Lectures - 82

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Academic Calendar for 2019-20

Commencement of Classes	: July, 2019 (exact date to be notified)
1 st Internal Assessment (for Sem I & Sem III)	: 1 st week of September, 2019
Puja Vacation	: October 2019 (as per Holiday list)
2 nd Internal Assessment (for Sem I & Sem III)	: 1 st week of November, 2019
Final Exam (for Sem I & Sem III)	: December, 2019 (exact date to be notified)
Winter Recess	: 25 th December, 2019 – 1 st January, 2020
Commencement of Classes (for Sem II & Sem IV):	January, 2020
1 st Internal Assessment (for Sem II & Sem IV)	: 1 st week of March, 2020
Final Exam (3 rd Year)	: March-April 2020
2 nd Internal Assessment (for Sem II & Sem IV)	: 1 st week of May, 2020
Summer Recess	: June, 2020
Final Exam (for Sem I & Sem III)	: June 2020

Principal
R.B.C.E.C., Naihati

Head
Department of Physics