

**ZOOLOGY, FIELD STUDY TOUR TO DIBRU SAIKHUA NATIONAL PARK,
ZC102P, 2020, 2nd Semester**

Program Name	Program Code	Name of the Course that includes experimental learning through project work/field work/internships	Course Code	Year of Offering	Name of the Student studied course on experimental learning through project work/field work/internships	Marks	Field Trip To
B.Sc. Zoology (Honours)	2 nd Sem CBCS (H)	Field work	CCII(CBCS)	2020	Mriganku Baruah	5	Dibru Saikhua National Park
		Field work			Ankur Jyoti Nath	3	Dibru Saikhua National Park
		Field work			Bitupan Gogoi	5	Dibru Saikhua National Park
		Field work			Sujeet Paul	4	Dibru Saikhua National Park
		Field work			Runa Mohan	3	Dibru Saikhua National Park
		Field work			Puja Dutta	4	Dibru Saikhua National Park

		Field work			Hirumoni Khanikar	3	Dibru Saikhua National Park
		Field work			Snigdha Buragohain	3	Dibru Saikhua National Park
		Field work			Ushmita Saikia	3	Dibru Saikhua National Park
		Field work			Mayuree Sonowal	3	Dibru Saikhua National Park
		Field work			Prince Payeng	4	Dibru Saikhua National Park
		Field work			Kistina Neog	5	Dibru Saikhua National Park
		Field work			Pran Jyoti Taye	4	Dibru Saikhua National Park
		Field work			Supriya Sahani	3	Dibru Saikhua National Park
		Field work			Himashree Gogoi	4	Dibru Saikhua National Park

		Field work			Ritupan Boruah	5	Dibru Saikhua National Park
		Field work			Himangshu Jyoti Hazarika	3	Dibru Saikhua National Park
		Field work			Puja Konwar	5	Dibru Saikhua National Park
		Field work			Abhishek Dutta	3	Dibru Saikhua National Park
		Field work			Koushik Deka	3	Dibru Saikhua National Park
		Field work			Bhargove Teli	5	Dibru Saikhua National Park
		Field work			Manshi Buragohain	3	Dibru Saikhua National Park
		Field work			Arpita Das	3	Dibru Saikhua National Park
		Field work			Chimrani Chetia	3	Dibru Saikhua National Park

		Field work			Aparajita Konwar	5	Dibru Saikhua National Park
		Field work			Debajeet Konwar	4	Dibru Saikhua National Park
		Field work			Palash Jyoti Handique	3	Dibru Saikhua National Park
		Field work			Dibjyoti Chetia	3	Dibru Saikhua National Park

Course Code: ZC102P
PRINCIPLES OF ECOLOGY

PRACTICALS

(Credits 2)

1. Study of life tables and plotting of survivorship curves of different types from the hypothetical/real data provided
2. Determination of population density in a natural/hypothetical community by quadrat method and calculation of Shannon-Weiner diversity index for the same community
3. Study of an aquatic ecosystem: Phytoplankton and zooplankton, Measurement of area, temperature, turbidity/penetration of light, determination of pH, and Dissolved Oxygen content (Winkler's method) and free CO₂
4. Report on a visit to National Park/Biodiversity Park/Wild life sanctuary/Reserved forest

SUGGESTED READINGS

- Colinvax, P. A. (1993). Ecology. II Edition. Wiley, John and Sons, Inc.
- Krebs, C. J. (2001). Ecology. VI Edition. Benjamin Cummings.
- Odum, E.P., (2008). Fundamentals of Ecology. Indian Edition. Brooks/Cole
- Robert Leo Smith Ecology and field biology Harper and Row publisher
- Ricklefs, R.E., (2000). Ecology. V Edition. Chiron Pres

CERTIFICATE

This to certified that the field study has been prepared by **Mriganku Baruah** a student of Gargaon College, department of zoology department , 1st semester(honors) of the year 2019 has completed his/her field report under the guidance of teachers which is undertaken as a part of their practical syllabus by Dibrugarh University , Assam .



Teacher in charge

Dr. Rina Handique

Prof. Malabika Baruah Deori

Zoology department

CERTIFICATE

This to certified that field study has been prepared by ANKUR NATH a student of Gargaon College of Zoology department of 1st semester (Major) of the year 2019 has completed his/her field report under the guidance of teachers which is undertaken as a part of their practical syllabus by Dibrugarh University, Assam


Teacher in charge

Prof. Dr. Rina Handique

Prof. Malabika Baruah Deori

Zoology department



CERTIFICATE

This to certified that the field study has been prepared by Bitupon Gogoi a student of Gargaon College of Zoology department of 1st semester (Major) of the year 2019 has completed his/her field report under the guidance of teachers which is under taken as a part of their practical syllabus by Dibrugarh University, Assam.


Teacher in charge

Prof. Dr. Rina Handique

Prof. Malabika Baruah Deori

Zoology department



CERTIFICATE

This to certified that field study has been prepared by Runa Mohan a student of Gargaon College of Zoology department of 1st semester (Major) of the year 2019 has completed his/her field report under the guidance of teachers which is undertaken as a part of their practical syllabus by Dibrugarh University, Assam



Teacher in charge

Prof. Dr. Rina Handique

Prof. Malabika Baruah Deori

Zoology department

CERTIFICATE

This to certified that the field study has been prepared by **PUJA DUTTA** a student of Gargaon College, department of zoology department , 1st semester(honors) of the year 2019 has completed his/her field report under the guidance of teachers which is undertaken as a part of their practical syllabus by Dibrugarh University , Assam .



Teacher in charge

Dr. Rina Handique

Prof. Malabika Baruah Deori

Zoology department

CERTIFICATE

This to certified that field study has been prepared by *Ushmita Saikia* a student of Gargaon College of Zoology department of 1st semester (Major) of the year 2019 has completed her field report under the guidance of teachers which is undertaken as a part of their practical syllabus by Dibrugarh University, Assam



Teacher in Charge
Prof. Dr. Rina Handique
Prof. Malabika Baruah Deori
Zoology Department

CERTIFICATE

This to certified that field study has been by Mayuree Sonowal a student of Gargaon College of Zoology department of 1st semester (Major) of the year 2019 has completed her filed report under the teachers which is undertaken as a part of their practical syllabus by Dibrugarh University, Assam.



Teacher in Charge
Prof. Dr. Rina Handique
Prof. Malabika Baruah Deori
Zoology Department

CERTIFICATE

This to certified that field study has been prepared by Prince Payeng a student of Gargaon College of Zoology department of 1st semester (Major) of the year 2019 has completed his/her field report under the guidance of teachers which is undertaken as a part of their practical syllabus by Dibrugarh University, Assam



Teacher in charge

Prof. Dr. Rina Handique

Prof. Malabika Baruah Deori

Zoology department

CERTIFICATE

This is to certify that the field study has been prepared by *Kinkina Nong* -
a student of Gargaon College of zoology department of 1st semester(Major) of the year 2019
has completed of his/her field report under the guidance of teachers which is undertaken as a
part of their practical syllabus by Dibrugarh University, Assam.

Teacher in charge

Prof. Dr. Rina Mandiqde

Prof. Malabika Baruah Deori

Zoology department

CERTIFICATE

This to certified that the field study has been prepared by Pran jyoti Taye a student of Gargaon College of zoology department of 1st semester(Major) of the year 2019 has completed his/her field report under the guidance of teachers which is undertaken as a part of their practical syllabus by Dibrugarh University , Assam .



Teacher in charge

Prof. Dr. Rina Handique

Prof. Malabika Baruah Deori

Zoology department

CERTIFICATE

This is to certify that **SUPRIYA SAHANI** OF
Zoology 1ST SEMESTER at **GORGAON**
COLLEGE, SIMALUGURI, has completed
the field report of **ZOOLOGY** on the given area
DIBRU-SAIKHOWA NATIONAL PARK,
under the syllabus of CBCS.


Signature of 29/11/19
HOD


HOD

CERTIFICATE

This to certified that the field study has been prepared
by Himashree Gogoi

A student of Gargaon College of zoology department of
1st semester(Major) of the year 2019 has completed of
his/her field report under guidance of teachers which is
undertaken as a part of their practical syllabus by
Dibrugarh University, Assam.



Teacher in charge

Prof. Dr. Rina Handique

Prof. Malabika Baruah Deori

Zoology Department

CERTIFICATE

*This is to certify that, Ritupon Boruah, a Student of BSc 1st semester, Department Of Zoology; Gargaon College has completed the field project titled **"A visit to Biosphere Reserve (Dibru Saikhowa)"** during the academic year 2019 towards partial fulfillment of credit for the Zoology practical evaluation of Final Examination 2019.*

Further, it is also certified that the project has not been submitted for any other purposes elsewhere.


Teacher in charge


Dr. Rina Handique
Head of the Department

Date: / /2019

CERTIFICATE

This is to certify that, Himangshu Jyoti Hazarika, a Student of BSc 1st semester, Department Of Zoology; Gargaon College has completed the project titled during the academic year 2019 towards partial fulfillment of credit for the Zoology practical evaluation of Final Examination 2019.

Further, it is also certified that the project has not been submitted for any other purposes elsewhere.

Teacher in charge


Head of the Department

Date: / /2019

Certificate

This is certify that Miss. Puja konwar, a student of zoology dept. 1st semester, Roll no.249 has successfully completed her zoology field study report on Dibruoikhowa National Park on date 19/09/19 under my guidance and supervision.

examiner's sign-


Dr. Rina Handique-

✓

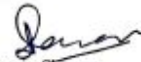
CERTIFICATE

This to certified that field study has been prepared by Abhishek Dutta a student of Gargaon College of Zoology department of 1st semester (Major) of the year 2019 has completed his field report under the guidance of teachers which is undertaken as a part of their practical syllabus by Dibrugarh University, Assam


Teacher in Charge
Prof. Dr. Rina Handique
Prof. Malabika Baruah Deori
Zoology Department

CERTIFICATE

This to certified that field study has been prepared by kaushik deka a student of Gargaon College of Zoology department of 1st semester (Major) of the year 2019 has completed his field report under the guidance of teachers which is undertaken as a part of their practical syllabus by Dibrugarh University, Assam



Teacher in-Charge
Prof. Dr. Rina Handique
Prof. Malabika Baruah Deori
Zoology Department

/BDeori.
23/12/19

CERTIFICATE

This to certified that field study has been prepared by Bhargove Teli a student of Gargaon College of Zoology department of 1st semester (Major) of the year 2019 has completed his/her field report under the guidance of teachers which is undertaken as a part of their practical syllabus by Dibrugarh University, Assam



Teacher in charge

Prof. Dr. Rina Handique

Prof. Malabika Baruah Deori

Zoology department

M. Baruah
23/12/19

CERTIFICATE

This to certified that field study has been prepared by Manshi Buragohain a student of Gargaon College of Zoology department of 1st semester (Major) of the year 2019 has completed her field report under the guidance of teachers which is undertaken as a part of their practical syllabus by Dibrugarh University, Assam



Teacher In Charge
Prof. Dr. Rina Handique
Prof. Malabika Baruah Deori
Zoology Department

CERTIFICATE

This to certified that field study has been prepared by Chimrani Chetia a student of Gargaon College of Zoology department of 1st semester (Major) of the year 2019 has completed her field report under the guidance of teachers which is undertaken as a part of their practical syllabus by Dibrugarh University, Assam



Teacher in Charge
Prof. Dr. Rina Handique
Prof. Malabika Baruah Deori
Zoology Department

CERTIFICATE

This to certified that the field study has been prepared by MISS APARAJITA KONWAR a student of Gargaon College ,department , zoology department of 1st semester(honors) of the year 2019 has completed her field report under the guidance of teachers which is undertaken as a part of their practical syllabus by Dibrugarh University , Assam .



Teacher- in -charge

Dr. Rina Handique

Prof. Malabika Baruah Deori

Zoology department

CERTIFICATE

This is to certify that field study has been prepared by **Debajeet konwar** a student of **Gargaon College** of **Zoology** department of 1st semester (major) of the year 2019 has completed his/her field report under the guidance of teachers which is undertaken as a part of practical syllabus by **Dibrugarh University, Assam**.



Teacher in Charge


Prof. Dr. Rina Handique

Prof. Malabika Baruah Deori

Zoology Department

CERTIFICATE


This to certify that field study has been prepared by Poojyoti Handique student of Garoam College of Zoology department of 1st semester (Major) of the year 2019 has completed her field report under the guidance of teachers which is undertaken as a part of their practical syllabus by Dibrugarh University, Assam


Teacher in Charge
Prof. Dr. Rita Handique
Prof. Mahabika Baruah Deori
Zoology department

✓

CERTIFICATE

This to certified that field study has been prepared by Dibjyoti Chetia a student of Gargaon College of Zoology department of 1st semester (Major) of the year 2019 has completed his field report under the guidance of teachers which is undertaken as a part of their practical syllabus by Dibrugarh University, Assam


Teacher in Charge
Prof. Dr. Rina Handique
Prof. Malabika Baruah Deori
Zoology Department