# Semester I Syllabus

Paper	Code	Lectures (h)	Credits earned	Code	Practical (h)	Credits earned
Paper 1: Fundamentals of Biology	GNKPSBI101	60	4	GNKPSBIP101	60	2
Paper 2: Bioinformatics and Sequence Analysis	GNKPSBI102	60	4	GNKPSBIP102	60	2
Paper 3: Biostatistics	GNKPSBI103	60	4	GNKPSBIP103	60	2
Paper 4: Introduction to Programming Languages and Databases	GNKPSBI104	60	4	GNKPSBIP104	60	2

You're presenting to everyone

Click here to return to the video call when you're ready to stop presenting

Via meecgoogle.com

Paper Name	Topics	Faculty Name	
Paper 1: Fundamentals of Biology	Unit 1: Cell Biology	Dr. Gursimran Kaur Asst. Professor HOD, Dept. of Bioinformatics	
	Unit 2: Structure of Biomolecules and their Metabolism	Ms. Rupal Mishra Research Scholar GNIRD	
	Unit 3: Cell – Cell communication and Signal transduction	Mr. Vikas Jha - SRF, NFB	
	Unit 4: Enzyme Kinetics		
Paper 2: Bioinformatics and Sequence Analysis	Unit 1:Introduction to Bioinformatics	Ms. Aparna Patil Asst. Professor Dept. of Bioinformatics	
	Unit 2:Biomolecular Databases	Ms. Aparna Patil Asst. Professor Dept. of Bioinformatics	
	Unit 3:Sequence alignment and Algorithms	Ms. Aparna Patil Asst. Professor Dept. of Bioinformatics	
	Unit 4:Molecular Phylogenetics	Ms. Aparna Patil Asst. Professor Dept. of Bioinformatics	

### **GNKPSBI103**: Biostatistics

- Basics of Mathematics
- Statistical Measures
- Random Variables and Bivariate Distribution
- An Introduction to statistical inference

**GNKPSBI104**: Introduction to Programming

Languages and Databases

- Fundamentals of Computing and introduction to Database systems
- Introduction to C++
- Advanced C++
- SQL

## **Class rules**

#### Match the pictures correctly







**Unmute your** microphone





Have mate lals close to you



Type your name before the session



Turn on your camera



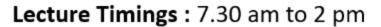


Have a snack before or after



the class





#### Note:

Timing may vary depending on Visiting Faculty availability





## Internal Marking[25 Marks]

- Assignment(Given by respective teachers)
- Internal Test/Exam
- Presentation Topics[Will be shared by next week]
- Compulsory Attendance
- All the communication will be via google classroom

## Note:

Late submission won't be accepted.