Semester	AUG 2022
Open to semester	11,13,21
Course code	**BI5114/BI6344**
Course title	**Biostatistics**
Credits	4 /4
Course Coordinator & participating faculty (if any)	Ramana Athreya
Nature of Course	Lectures and Tutorials
Pre-requisites	None
Objectives (goals, type of students for whom useful, outcome etc)	The course introduces biologists to measurement, and data analyses and presentation. It is aimed at students who may not have taken any math courses during after high school. Mandatory course for Biology PhD students
Course contents (details of topics /sections with no. of lectures for each)	1. Introduction to Data ... 2 hours 2. Statistical measures ... 3 hours 3. Probability distribution functions ... 8 hours 4. Statistical tests ... 14 hours 5. Curve fitting ... 8 hours 6. Time series analysis ... 4 hours
Evaluation /assessment	End-Sem Examination-40% Mid-Sem Examination-40% Others-20%
Suggested readings (with full list of authors, publisher, year, edn etc.)	1. Zar, J.H. (2009). Biostatistical Analysis. 5 th Edition, Prentice hall 2. Sokal and Rohlf (1995) Biometry: the principles and practice of statistics in biological research. 3 rd Ed, W. H. Freeman and Co