

**ITLab – Advanced (IT162) (Python Programming)**  
**A Lab Course for IMSc students**

**TENTATIVE SCHEDULE February-May 2023**

DATE	TOPIC	Remarks
15 FEB	Introduction to Programming	
22 FEB	Basic elements of programming: assignment operator, precedence, types of variables(int, float, boolean,string), standard math functions	
1 MARCH	Problem Solving : Simple problems with IF conditionals and For loops	Assignment-1
8 MARCH	Exploring the String package	Declared a holiday
15 MARCH	Exploring the String package	Assignment - 2
22 MARCH	Exploring Numpy Family package	SPECIAL CLASS (Holiday)
29 MARCH	Data Analysis	Assignment - 3
5 APRIL	File Handling	Assignment - 4
12 APRIL	Statistical Data Analysis	Assignment - 5
19 APRIL	Statistical Data Analysis	Assignment - 6
26 APRIL	Statistical Data Analysis and Plotting	Assignment - 7
3 May	Statistical Data Analysis and Plotting	

**Evaluation :**

**Internals (60 Marks)**

Labwork : 60 Marks (Best 6 out of 7 Assignments )

**Major : (40 Marks)**