

LS 102 MATHEMATICS FOR BIOLOGISTS [2 credits]

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S No	Topic	Contact Hours
1.	Real Number System	
2.	Elements of Coordinate Geometry and Algebra	
3.	Relations, Functions, including Periodic Functions, Inverse Functions, Growth Rates and Topics from Differential Calculations such as max/min of functions of one variable differentials and approximations	
4.	Partial derivatives, max/min of function of more than one variable and method of least squares	
5.	AntiDerivatives, Indefinite integrals and definite integration	
6.	Logarithms and Exponential Functions	
7.	Differential Equations and difference equations models in biology and ecology	
8.	Elements of Probability	

Suggested reading:

Concerned literature will be given by individual faculty member.