



# Science Academies' Refresher Course on "Analysis" at Tezpur University February 18 to March 02, 2019

## Brief description of the school

The course aims to help the teachers to add value in their teaching as well as to induct advance concepts in the curriculum. Participants in this course will gain knowledge in Real Analysis, Measure Theory, Fourier Series and Application of these topics in Differential Equations.

### Eligibility

College and University Teachers

### How to apply

Application process and other information about this refresher course is available at the following website :

[http://web-](http://web-japps.ias.ac.in:8443/Refreshcourse/RCP.js)

[japps.ias.ac.in:8443/Refreshcourse/RCP.js](http://web-japps.ias.ac.in:8443/Refreshcourse/RCP.js)

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Last date for online registration :  
January 10, 2019.

## Topics

Countable and uncountable sets, Cantor set, Dedekind cut, Completeness of real numbers, Sequence and series of real numbers and functions, Riemann Integration, Metrics spaces, Normed linear spaces, open sets, closed sets, continuity, spaces of continuous functions, Connectedness, Compactness and Completeness in metric spaces, Lebesgue Integration, Derivative of several variable function, Inverse and implicit function theorems, Lebesgue differentiation theorem, Fourier Series, various means of convergence of Fourier series, Application of analysis to differential equation

### Contact

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