

## Objectives and Course Content of Short Term Courses

Operational Plan No.	AS-5
Name of the Course	Applied Mathematical Techniques with Applications
Objectives of Course	The objective of this course is to provide overview of relevant Mathematical techniques used in various engineering field, their theoretical aspects and brief knowledge of available mathematical tool.
Course Content	Applied Numerical Methods and Engineering Applications, Differential Equations- First Order and Higher Order, Basic Optimization Techniques used in Engineering Field, Demonstration of Mathematica and LINGO Software.
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