

Ordinary Differential Equations

by

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<http://ocw.ump.edu.my/course/view.php?id=44>

Communitising Technology

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Course Description

COURSE SYNOPSIS

This course introduces to the ordinary differential equations, Laplace transform and Fourier series and their applications in solving engineering problems.

COURSE OUTCOMES

1. Acquire fundamental principle of first and second order differential equations, Laplace transforms and Fourier series.
2. Analyze and solve various first and second order differential equations, Laplace transforms and Fourier series for various periodic functions.

REFERENCES

Samsudin Abdullah, Nadirah Nasir, Rahimah Jusoh @ Awang, Laila Amera Aziz, Wan Nur Syahidah Wan Yusoff. Module : Ordinary Differential Equations (BUM2133), 4rd Edition 2016.



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