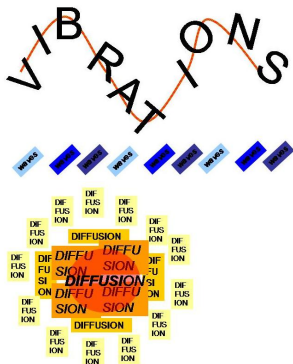


Course Announcement: MTH 621-3

Differential and Integral Equations of Mathematical Physics

<http://www.math.oregonstate.edu/~mpesz/teaching/621.F15/>



Course content (Fall):

- Origins and applications of mathematical models of diffusion and wave equation, mechanical vibrations, and flow and transport models and models of other phenomena.
- Properties of solutions and analytical expressions whenever available. (Some) separation of variables, Fourier techniques, Green's functions, maximum principle(s).

Textbook: Material from the following textbook will be used as well as some downloadable materials and class notes

- R. Guenther and J. Lee, Partial Differential Equations of Mathematical Physics and Integral Equations, Dover, 1996