



Partial differential equation 1

| Course Number | Course | Prerequisite | Credit hours |
|---------------|---------------------------------|--------------|--------------|
| 0301302 | Partial differential equation 1 | 0301203 | 3 |

Classifications of PDEs, Second order PDEs, separation of variables, Integral Transforms Methods, Fourier Series and Fourier transform, Eigen function expansions. Parabolic of PDEs. D'Alembert method for Wave equation, Canonical form of hyperbolic PDEs.