| Mathematical Methods - 1 (PYL121)  |
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| Instructor: Tarun Sharma (the Ophysics. iitd. ac. in)  |
| Teaching ausistants: Paras Sharma (ph/190644@iitd.ac.in)   |
| Nemai Chandra Sarkar (phz218058@iitd.ac.in   |
| Claus timing: 12:00-13:00 on Monday, Tuesday, Friday. in LHC 308.  |
| Tutorial timing: Start from next week  |
| Course content: 1. Vector spaces & Linear algebra. 2. Complex analysis. 3. Fourier & Laplace transforms? app to odes |
| 4. Green's functions. 5. Calculus of Variation 6. Probability & Satistics  |
| Some Reference Books:  |
| General / Riley & Hobson: Mathematical methods for physics & Engineering.  |
| · Dennery e Krzywicki: Mathematics for Physicists.   |
| · Arfken, Weber & Harris: Mathematical Methods for Physicists.   |
| pecialized / · Hoffman e Kunze: Linear algebra   |
| · Brown 1 Churchill: Complex variables 2 applications  |
| more as we progress along in the course  |
| Evaluation! About 4 ausignments: ~ 25 %.  Minor exam! ~ 35 %.  Major exam: ~ 40 %.                                   |
| Grading: Absolute with final rade decision with moderation committee.  |
| Attendence: Recommended but no weightage in evaluation.  |

Audit! (1) Minor e Major exams compulsory.
(2) Cutoff! 40%