



G H RAISONI COLLEGE OF ENGINEERING AND MANAGEMENT WAGHOLI PUNE

(An Autonomous Institute under UGC Act 1956 & Affiliated to Savitribai Phule Pune University)

Domkhel Road , GAT No.: 1200 Wagholi, Pune – 412207

Course wise Teaching Plan for Session : Summer 2019

Course : THERMAL SYSTEM DESIGN AND NANO-MATERIALS

Faculty : c.limbadri@raisoni.net - LIMBADRI CHINTA

| Unit | Topic Code | Topic Covered | Date | Course | Section |
|------|------------|-----------------------------------------------------|------------|-----------|---------|
| 1 | 1 | Introduction, discussion on Objectives and Outcomes | 03/12/2018 | MHPL510Ac | A |
| 1 | 2 | Designing a workable system | 06/12/2018 | MHPL510Ac | A |
| 1 | 3 | Workable and optimum systems | 08/12/2018 | MHPL510Ac | A |
| 1 | 4 | Outline of sequence of tasks | 10/12/2018 | MHPL510Ac | A |
| 1 | 5 | decisions for a workable design | 13/12/2018 | MHPL510Ac | A |
| 1 | 6 | Modeling Thermal Equipment: Using physical insight | 15/12/2018 | MHPL510Ac | A |
| 1 | 7 | Numericals | 17/12/2018 | MHPL510Ac | A |
| 1 | 8 | Numericals | 20/12/2018 | MHPL510Ac | A |
| 1 | 9 | Selection Vs Simulation, | 22/12/2018 | MHPL510Ac | A |
| 2 | 10 | Case study on modeling thermal equipment | 24/12/2018 | MHPL510Ac | A |
| 2 | 11 | System Simulation | 03/01/2019 | MHPL510Ac | A |
| 2 | 12 | Classes of simulation | 05/01/2019 | MHPL510Ac | A |
| 2 | 13 | Sequential and simultaneous calculations | 07/01/2019 | MHPL510Ac | A |
| 2 | 14 | Numericals | 14/01/2019 | MHPL510Ac | A |
| 2 | 15 | Numericals | 17/01/2019 | MHPL510Ac | A |
| 2 | 16 | case study on system simulation | 19/01/2019 | MHPL510Ac | A |
| 2 | 17 | case study on system simulation | 21/01/2019 | MHPL510Ac | A |
| 3 | 18 | introduction to Nano materials | 24/01/2019 | MHPL510Ac | A |
| 3 | 19 | Nanoparticles | 28/01/2019 | MHPL510Ac | A |
| 3 | 20 | Carbon Nanotubes | 31/01/2019 | MHPL510Ac | A |
| 3 | 21 | Semiconducting Nanowires | 02/02/2019 | MHPL510Ac | A |
| 3 | 22 | Semiconducting Nanowires | 04/02/2019 | MHPL510Ac | A |
| 3 | 23 | case study | 07/02/2019 | MHPL510Ac | A |
| 3 | 24 | case study | 09/02/2019 | MHPL510Ac | A |



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|-------------|-------------------|---------------------------|-------------|---------------|----------------|
| 4 | 25 | case study | 11/02/2019 | MHPL510Ac | A |
| 4 | 26 | case study | 14/02/2019 | MHPL510Ac | A |
| 4 | 27 | case study | 16/02/2019 | MHPL510Ac | A |
| 4 | 28 | Physics of nano materials | 23/02/2019 | MHPL510Ac | A |
| 4 | 29 | Synthesis | 25/02/2019 | MHPL510Ac | A |
| 4 | 30 | Characterizations | 28/02/2019 | MHPL510Ac | A |
| 4 | 31 | Applications | 02/03/2019 | MHPL510Ac | A |
| 4 | 32 | case study | 04/03/2019 | MHPL510Ac | A |
| 5 | 33 | case study | 07/03/2019 | MHPL510Ac | A |
| 5 | 34 | case study | 09/03/2019 | MHPL510Ac | A |
| 5 | 35 | case study | 14/03/2019 | MHPL510Ac | A |
| 5 | 36 | case study | 16/03/2019 | MHPL510Ac | A |
| 5 | 37 | case study | 18/03/2019 | MHPL510Ac | A |
| 5 | 38 | case study | 23/03/2019 | MHPL510Ac | A |