

TABLE 2: COURSE DISTRIBUTION PER SEMESTER

| A/A | Course Type | Course Name | Course Code | Periods per week | Period duration | Number of weeks/ Academic semester | Total periods/ Academic semester | Number of ECTS |
|--------------------|-------------|--|-------------|------------------|-----------------|------------------------------------|----------------------------------|----------------|
| A' Semester | | | | | | | | |
| 1. | Compulsory | Theory and applications of incompressible Newtonian and non-Newtonian Fluids | MME518 | 2 | 1,5 hr | 13 | 39 | 8 |
| 2. | Compulsory | Signal Process | MME523 | 2 | 1,5 hr | 13 | 39 | 8 |
| 3. | Compulsory | Continuum Mechanics | MME531 | 2 | 1,5 hr | 13 | 39 | 8 |
| 4. | Compulsory | Thesis Research I | MME805 | | | | | 6 |
| B' Semester | | | | | | | | |
| 5. | Compulsory | Advanced Engineering Thermodynamics | MME512 | 2 | 1,5 hr | 13 | 39 | 8 |
| 6. | Compulsory | Nonlinear Mechanics of Solids and Structures | MME551 | 2 | 1,5 hr | 13 | 39 | 8 |
| 7. | Compulsory | Modelling and Analysis of Dynamic Systems | MME524 | 2 | 1,5 hr | 13 | 39 | 8 |
| 8. | Compulsory | Thesis Research II | MME806 | | | | | 6 |
| C' Semester | | | | | | | | |
| 9. | Compulsory | Manufacturing Process Automation | MME541 | 2 | 1,5 hr | 13 | 39 | 8 |
| 10. | Elective | Technical Elective I | MME5XX | 2 | 1,5 hr | 13 | 39 | 8 |

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|--------------------|------------|------------------------|--------|---|--------|----|----|----|
| 11. | Elective | Technical Elective II | MME5XX | 2 | 1,5 hr | 13 | 39 | 8 |
| 12. | Compulsory | Thesis Research III | MME807 | | | | | 6 |
| D' Semester | | | | | | | | |
| 13. | Compulsory | Thesis Research IV.a | MME830 | | | | | 10 |
| 14. | Compulsory | Thesis Research IV.b | MME831 | | | | | 10 |
| 15. | Compulsory | Thesis Research IV.c | MME832 | | | | | 10 |
| E' Semester | | | | | | | | |
| 16. | Compulsory | Thesis Research V.a | MME820 | | | | | 10 |
| 17. | Compulsory | Thesis Research V.b | MME821 | | | | | 10 |
| 18. | Compulsory | Thesis Research V.c | MME822 | | | | | 10 |
| F' Semester | | | | | | | | |
| 19. | Compulsory | Thesis Research VI.a | MME823 | | | | | 10 |
| 20. | Compulsory | Thesis Research VI.b | MME824 | | | | | 10 |
| 21. | Compulsory | Thesis Research VI.c | MME825 | | | | | 10 |
| G' Semester | | | | | | | | |
| 22. | Compulsory | Thesis Writing I | MME809 | | | | | 10 |
| 23. | Compulsory | Thesis Research VII.a | MME826 | | | | | 10 |
| 24. | Compulsory | Thesis Research VII.b | MME827 | | | | | 10 |
| H' Semester | | | | | | | | |
| 25. | Compulsory | Thesis Writing II | MME810 | | | | | 10 |
| 26. | Compulsory | Thesis Research VIII.a | MME828 | | | | | 10 |
| 27. | Compulsory | Thesis Research VIII.b | MME829 | | | | | 10 |