

| Course No. | Course Title | Teaching Schedule | | | Allotment of Marks | | | Duration of Exam (Hrs.) |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---|---|--------------------|------------|-------|-------------------------|
| | | L | T | P | Major Test | Minor Test | Total | |
| MPC-202N | Energy Studies | 3 | - | - | 75 | 25 | 100 | 3 |
| Purpose | <i>To learn the multidisciplinary nature, scope and importance of Energy Studies</i> | | | | | | | |
| Course Outcomes (CO) | | | | | | | | |
| CO-1 | To explain the different types of sources of Energy and demonstrate advantages of using non-conventional sources of energy. A general understanding of the Principles of Energy Management and Audit. | | | | | | | |
| CO-2 | To evaluate the advantages and disadvantages of conventional sources of Energy. To analyze the sites where power plants can be constructed. | | | | | | | |
| CO-3 | To impart knowledge regarding the location and plant layout plan of the different nonconventional sources of energy. Demonstration of advantages and disadvantages of using wind, geothermal, solar, tidal and biochemical form of energy. | | | | | | | |
| CO-4 | To demonstrate the Role of energy in Economic development of any country. Explanation of energy reforms and energy scenario in India | | | | | | | |