

**Course 15: Practical Physics III**  
**Course code: MSCPH- 523(L)**

**Credit: 6**

1. Study of regulated power supply
2. Study of operational amplifier
3. Study of timer IC 555
4. A/D to D/A converter
5. 1/16 Decoder Encoder
6. Study of Multiplexer and Demultiplexer
7. Study of different types of gates
8. Study of Comparator and Decoder
9. Study of amplitude and frequency modulation and demodulations
10. Study of different flip flop circuits(RS, JK, D, Master slave)
11. Study of digital combination and sequential circuits
12. Study of Microprocessor
13. Study of IC based power supply
14. Microwave experiment
15. Shift registers
16. Fiber Optical communication