

Personalized Learning Plan

Create Study Schedule

Study Plan:

Week 1-2:

- Introduction to the course and understanding the basics of pipe connections used in household and industrial systems (COB1)
- Reading: Chapter 1 of S.Gowri and T.Jeyapoovan, "Engineering Practices Lab Manual"

Week 3-4:

- Learning and practicing the usage of welding equipment and machining methods (COB2)
- Lab: Fabrication of a small Table frame with Butt, Lap and Fillet Joints using Arc Welding

Week 5-6:

- Knowledge impartation on sand mould preparation for simple components (COB3)
- Lab: Foundry operations such as sand mold preparation for simple component
- Reading: Chapter 2 of Electrical Engineering Practice Lab Manual

Week 7-8:

- Exploring various tools, instruments and methods used in electrical wiring (COB4)
- Lab: Domestic, staircase and go down wiring
- Reading: Chapter 3 of Printed Circuit Boards: Design, Fabrication, and Assembly

Week 9-10:

- Knowledge impartation on Design, assembly and testing of electronic circuits (COB5)

- Lab: Design and testing of electronic circuits using active and passive electronic components
- Reading: Chapter 4 of Engineering Practices Lab Manual

Week 11-12:

- Review and reinforcement of all course objectives through practical experiments
- Lab: Identification and symbolic representation of active and passive electronic components, Soldering and tracing of electronic circuits

Week 13-14:

- Preparation for final assessment
- Reading: Review all textbooks and reference materials

Week 15:

- Final assessment

Week 16:

- Feedback and course wrap-up

By the end of this study plan, students will be able to demonstrate basic plumbing, perform welding and machining operations, make sand mould for simple components, execute simple electrical wiring, and assemble and test simple electronic circuits.

Remember to dedicate time for independent study and revision in addition to the time spent in lectures and labs. Regularly review the course material to reinforce your learning and stay on top of the coursework.

End of Plan

Thank you for using Aura's Learning Plan Generator!