

Shielded Metal Arc Welding - WE104

Section: WE104 004251S Newton

Section Type: Lecture

Credit Hours: 3.00

Course Description: Through classroom and/or lab/shop learning and assessment activities, students in this course will: describe the Shielded Metal Arc Welding process (SMAW); demonstrate the safe and correct set up of the SMAW workstation; associate SMAW electrode classifications with base metals and joint criteria; demonstrate proper electrode selection and use based on metal types and thicknesses; build pads of weld beads with selected electrodes in the flat position; build pads of weld beads with selected electrodes in the horizontal position; perform basic SMAW welds on selected weld joints; and perform visual inspection of welds.

Section Notes: Please note that class meets on M,W,F, from 10/3/25-11/14/25 then on M,T,W,R,F, from 11/17/25-12/18/25.

WHEN

Days: M W F

Times: 12:20 PM - 03:15 PM

Start Date: 10/03/2025

End Date: 12/18/2025

WHERE

Campus: Newton

Building: Newton Brooks Trade Center

Room: NWB111

INSTRUCTOR

MICHAEL DANIEL

BOOKS

Title: SHIELDED METAL ARC WELDING 10TH Edition

Author: WALKER

Required: No