COURSE DESCRIPTIONS

WELDING

WLDG 1191 SPECIAL TOPICS - WELDING

Format: 1 lecture (1 credit hour)
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was deigned to be repeated multiple times to improve student proficiency.
Credits: 1
Distribution: WLDG

WLDG 1313 INTRO TO BLUEPRINT READING FOR WELDERS

Format: 2 lecture / 2 lab (3 credit hours)
A study of industrial blueprints. Emphasis placed on terminology, symbols, graphic description, and welding processes. Includes systems of measurement and industry standards. Also includes interpretation of plans and drawings used by industry to facilitate field application and production.
Credits: 3
Distribution: WLDG
Course Fee: Lab fee= $44

WLDG 1327 WELDING CODES

Format: 2 lecture / 2 lab (3 credit hours)
An in-depth study of welding codes and their development in accordance with structural standards welding processes destructive and nondestructive test methods.
Credits: 3
Distribution: WLDG
Course Fee: Lab fee= $44

WLDG 1417 INTRO TO LAYOUT & FABRICATION

Format: 3 lecture / 2 lab (4 credit hours)
A fundamental course in layout and fabrication related to the welding industry. Major emphasis on structural shapes and use in construction.
Credits: 4
Distribution: WLDG
Course Fee: Lab fee= $44

WLDG 1423 WELDING SAFETY, TOOLS, & EQUIPMENT

Format: 4 lecture (4 credit hours)
An introduction to welding equipment and safety practices, including OSHA standards for industry.
Credits: 4
Distribution: WLDG

WLDG 1428 INTRO TO SHIELDED METAL ARC WELDING

Format: 2 lecture / 4 lab (4 credit hours)
An introduction to shielded metal arc welding process. Emphasis placed on power sources, electrode selection, oxyfuel cutting, and various joint designs. Instruction provided in SMAW fillet welds in various positions.
Credits: 4
Distribution: WLDG
Course Fee: Lab fee= $44

WLDG 1430 INTRO TO GAS METAL ARC WELDING (GMAW)

Format: 2 lecture / 4 lab (4 credit hours)
Principles of gas metal arc welding, setup and use of Gas Metal Arc Welding (GMAW) equipment, and safe use of tools/equipment. Instruction in various joint designs.
Credits: 4
Distribution: WLDG
Course Fee: Lab fee= $44

WLDG 1434 INTRO. TO GAS TUNGSTEN ARC WELD

Format: 2 lecture / 6 lab (4 credit hours)
Principles of Gas Tungsten Arc Welding (GTAW) set up GTAW equipment. Instruction in various positions and joint designs.

Credits: 4
Distribution: WLDG
Course Fee: Lab fee= $44

WLDG 1435 INTRO TO PIPE WELDING

Format: 2 lecture / 4 lab (4 credit hours)
An introduction to welding of pipe using the shielded metal arc welding process (SMAW), including electrode selection, equipment setup, and safe shop practices. Emphasis on weld positions 1G and 2G using various electrodes.
Credits: 4
Distribution: WLDG
Course Fee: Lab fee= $44

WLDG 1457 INTERMEDIATE SHIELDED METAL ARC WELDING (SMAW)

Format: 2 lecture / 4 lab (4 credit hours)
A study of the production of various fillets and groove welds. Preparation of specimens for testing in all test positions.
Credits: 4
Distribution: WLDG
Course Fee: Lab fee= $44

WLDG 2288 INTERNSHIP-WELDING TECH WELDER

Format: (2 credit hours)
8 External Hrs./128 Contact Hrs. A work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and the employer.
Credits: 2
Distribution: WLDG

WLDG 2406 INTER PIPE WELDING

Format: 2 lecture / 4 lab (4 credit hours)
Instruction using layout tools and blueprint reading with demonstration and guided practices with some of the following welding processes: oxy-fuel gas cutting and welding shield metal arc welding (SMAW) gas metal arc welding (GMAW) flux-cored arc welding (FCAW) gas tungsten arc welding (GTAW) or any other approved welding process.
Credits: 4
Distribution: WLDG
Course Fee: Lab fee= $44

WLDG 2413 INTER WELDING USING MULTIPLE PROCESSES

Format: 2 lecture / 4 lab (4 credit hours)
Instruction using layout tools and blueprint reading with demonstration and guided practices with some of the following welding processes: oxy-fuel gas cutting and welding, shield metal arc welding (SMAW), gas metal arc welding (GMAW), flux-cored arc welding (FCAW), gas tungsten arc welding (GTAW), or any other approved welding process.
Credits: 4
Distribution: WLDG
Course Fee: Lab fee= $44

WLDG 2443 ADVANCED SHIELDED METAL ARC WELDING

Format: 2 lecture / 4 lab (4 credit hours)
Advanced topics based on accepted welding codes. Training provided with various electrodes in shielded metal arc welding processes with open V-groove joints in various positions.
Credits: 4
Distribution: WLDG
Course Fee: Lab fee= $44

WLDG 2447 ADVANCED GAS METAL ARC WELDING

Format: 2 lecture / 4 lab (4 credit hours)
Advanced topics in Gas Metal Arc Welding (GMAW). Includes welding in various positions and directions.
Credits: 4
Distribution: WLDG
Course Fee: Lab fee= $44

WLDG 2451 ADVANCED GAS TUNGSTEN ARC WELDING (GTAW)

Format: 3 lecture / 3 lab (4 credit hours)
Advanced topics in GTAW welding, including welding in various positions and directions.
Credits: 4
Distribution: WLDG

Course Fee: Lab fee= $44

Navarro College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate and baccalaureate degrees. Navarro College also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Navarro College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website.