

2024-25 ACADEMIC COURSES

WAF 210 : WELDING METALLURGY

In this course, students will be introduced to grain structure, atomic structure and phase transformations. They will recognize and illustrate the various aspects of extractive, mechanical and physical metallurgy including the theory and practice of metal identification, selection, processing, fabrication, conditioning and testing of ferrous and non-ferrous materials. Heat-treating of various common industry materials will be discussed and students will analyze the root cause of weld failure and identify solutions. Level I Prerequisite: Academic Reading and Writing Levels of 6; Academic Math Level 2; WAF 140 and WAF 232, minimum grade "C"

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Description	Hours
Credits	3
Lecture Hours	45
Clinical Hours	0
Lab Hours	15
Other Hours	0
Total Hours	60

Accurate as of 07/12/2024 Information is subject to change without notice.