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| **Northern Wyoming Community College District** |
| Sheridan College3059 Coffeen AvenueSheridan, Wyoming 82801 |  Gillette College 300 West Sinclair Street Gillette, Wyoming 82718 |

**COMMON COURSE SYLLABUS**

WELD 1650 Print Reading and Welding Symbols (3 credits)

*Effective Date*: Fall 2015

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| *Description* | This course covers weld print reading used in industry including, but not limited to: AWS welding symbols, sketching, view representation, orthographic projection, measurement, structural steel materials, weld joint configuration and detailing, basic layout, and pipe system design. |
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| *Prerequisites* | None |
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| *Co-requisites* | None |
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| *Purpose (including degree requirement fulfilled)* | WELD 1650 Print Reading and Welding Symbols is a requirement for the Welding Certificate and the Welding AAS programs. |
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| *Course Format* | Lecture |
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| *Grading (Letter or S/U)* | Letter |
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| *Program Outcome(s) OR Core Ability Indicator(s)* | Upon completion of WELD 1650 Print Reading and Welding Symbols, the student will: 1. Apply communication skills
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| *Minimum Student Competencies –C&S suggests a minimum of 3 competencies per credit hour. Maximum allowed is 6 per credit hour.* | Upon completion of WELD 1650 Print Reading and Welding Symbols , the student will:1. Define prints, working drawings, and specifications.
2. Demonstrate drawing and sketching.
3. Identify structural steel shapes.
4. Explain the various parts of a welding symbol.
5. Identify weld symbols.
6. Apply welding symbols on drawings, specifications, and welding procedure specifications.
7. Draw welding symbols based on the observation of actual welds.
8. Interpret a welding detail drawing.
9. Draw view interpretations.
10. Sketch isometric views.
11. Identify third angle projection, views, lines, material fills, and sections.
12. Identify object views.
13. Explain dimensioning, notes, and bill of materials.
14. Interpret basic elements of a welding detail drawing.
15. Develop basic welding drawings.
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| *Texts/Materials* | Texts and/or authority reviewed materials that are selected by individual instructors with Director/Area Coordinator approval. |
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| *Minimum Course Requirements (i.e., Exams, Projects, Assignments…)* | 1. Tests
2. Assignments
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| *Academic Honesty Statement* | Students are expected to maintain the highest standards of academic honesty and integrity. Academic honesty means performing all academic work without lying, cheating, deceit, plagiarism, misrepresentation, or unfairly gaining advantage over any other student. Violations of academic honesty are in violation of District standards for student conduct and shall result in disciplinary action. |
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| *Attendance Policy* | Regular attendance is expected of all students attending NWCCD so they may fully benefit from the educational experience.  Students receiving financial aid must regularly attend class and actively participate in their coursework in order to earn their aid.  Students failing to do so may be held liable for returning financial aid funds.  Visit the Office of Financial Aid Services for more information. |
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| *Disability Statement* | Students with disabilities who believe they may need accommodations in this class must contact the disabilities services coordinator on their campus as soon as possible to request such accommodations. |