**Program of Study – First Semester Support Course**

**Week 1**

* Get to Know You Activity (Icebreaker)
* Syllabus, Course Expectations
* Welding notes: SMAW – day 1, MIG – day 1
* Metallurgy: Chapter 1
* Math: Measurement – Using a ruler, comparing measurements
* Login to Computers; activate student email
* Weekly Work Report

**Week 2**

* Welding notes: SMAW – day 2; MIG – day 2
* Vocabulary List 2 - SMAW
* Metallurgy: Chapter 2, 3
* Math: adding/subtracting measurements; multiplying/dividing measurements
* Weekly Work Report

**Week 3**

* Welding notes: SMAW – day 3
* Vocabulary List 2 - SMAW
* Metallurgy: Chapter 4
* Math: fraction form, simplifying fractions, comparing fractions
* Weekly Work Report

**Week 4**

* Welding notes: SMAW review
* Vocabulary List 3
* Metallurgy: Chapter 5
* Math: mixed numbers/ improper fractions
* Weekly Work Report

**Week 5**

* Welding notes: Review MIG
* Vocabulary List 3
* Metallurgy: Chapter 6
* Math: adding/subtracting fractions
* Weekly Work Report

**Week 6**

* Welding notes: Welding defects, welds and joints
* Vocabulary List 3
* Metallurgy: Chapter 7
* Math: adding/subtracting fractions, assessment
* Weekly Work Report

**Week 7**

* Welding notes: Review as necessary
* Vocabulary List 1
* Metallurgy: Chapter 8; prepare for midterm
* Math: multiplying/dividing fractions
* Weekly Work Report

**Week 8**

* Welding notes: Review as needed
* Vocabulary List 1
* Metallurgy: Prepare for midterm, begin paper
* Math: multiplying/dividing fractions
* Weekly Work Report

**Week 9**

* Welding notes: As needed
* Vocabulary List 4
* Metallurgy: Chapter 9, work on paper (library visit)
* Math: multiplying/dividing fractions (mixed numbers), word problems
* Weekly Work Report

**Week 10**

* Welding notes: Comparing MIG, TIG, and Stick welding
* Vocabulary List 4
* Metallurgy: Chapter 10, work on paper
* Math: multiplying/dividing fractions, assessment
* Weekly Work Report

**Week 11**

* Welding notes: TIG Welding notes – day 1
* Vocabulary List 4
* Metallurgy: Chapter 11, work on paper
* Math: decimal forms, comparing decimals
* Weekly Work Report

**Week 12**

* Welding notes: TIG –days 2-6
* Vocabulary List 4, 5
* Metallurgy: Chapter 12, work on paper
* Math: adding/subtracting decimals, multiplying dividing decimals
* Weekly Work Report

**Week 13**

* Welding notes: Oxyacetylene – day 1, 2
* Vocabulary List 5
* Metallurgy: Chapter 13, work on paper
* Math: multiplying/dividing decimals, assessment
* Weekly Work Report

**Week 14**

* Welding notes: Oxyacetylene – day 3, 4; Stick vs. Oxy notes
* Vocabulary List 5
* Metallurgy: Chapter 14, work on paper
* Math: exponents, square roots
* Weekly Work Report

**Week 15**

* Welding notes: MIG,TIG, Stick comparison
* Vocabulary List 5
* Metallurgy: Prepare for final, finish paper
* Math: order of operations
* Weekly Work Report

**Week 16**

* Welding final assessment
* Math: order of operations, assessment
* Semester Work Report