

CTE COURSE OUTLINE (aka Calendar of Units)

All approved CTE programs are required to submit a course outline for each course taught at their school. The course outline is used for a number of purposes: they are needed to identify reimbursable courses, to determine if course content aligns with standards, and are helpful in the evaluation process.

Required elements of a course outline are:

- School Name
- Instructor Name(s)
- School Year
- Course Name
- MIS03 course code
- Grade Level
- Awarded Credit (none, 1/4, 1/2, 1, 2)
- Unit Outline

A course outline template can be found on the next page.

Course outlines should be submitted to CTE in BRP with the Revised Budget by September 30.



CTE COURSE OUTLINE

School: Any School
Instructor: Chris Farmington
School Year: 2020-21
Course Name: Foundations of Agriculture
MIS03 Code: 01012
Grade Level: 10th – 36 Weeks—52 Minute Class Period
Awarded Credit: One Credit

| Unit Title | Unit Length | ND Standards & Benchmarks | Unit Description/Activities |
|---|-------------|---|---|
| Unit 1: Leadership Development | 4 weeks | Career Ready Practices (CRP): FFA Student Handbook/Leadership | -Class Orientation -Parliamentary Procedure Review -Agricultural Demonstrations |
| Unit 2: Agronomy (Plant & Soil Science) | 8 weeks | Plant Systems Standards: 8.1.2, 8.1.3, 8.2.1, 8.2.2 | -Composition of Soils -Soil Profiles of ND -Soil Texture -Nutrients in Soil -Plant Nutrient Needs -Factors of Plant Identification -Crop (Seeds and Mounts) Identification -Monocot/Dicot Differences -Elevator Field Trip? |
| Unit 3: Animal Science | 4 weeks | Animal Systems Standards: 3.3, 3.7 | -Veterinary Science Terminology -Common Diseases in Livestock -Animal Nutrition -Feeding Rations |
| Unit 4: Agricultural Sales | 4 weeks | Agribusiness Systems Standards 2.5.2 CRP: 2,4 | -Types of Sales -Presentation Skills -Sales Practicum -Motorsports Business Field Trip |
| Unit 5: Agricultural Economics | 4 weeks | Agribusiness Systems Standards: 2.2.2, CRP: 2 | -Income Statements -Inventory Statements -SAE Update |
| Unit 6: Ag Mechanics: Arc/MIG Welding | 8 weeks | Power, Structural, & Technical Systems Standards: 9.1.2, 9.1.3 | -Welding Safety -Arc/MIG Welding Processes -Welder Identification -Electrode Characteristics -Welding Joints -Plasma Cutting |
| Unit 7: Advanced Carpentry | 4 weeks | Power, Structural, & Technical Systems Standards: 9.4.1, 9.4.2, 9.4.3 | -Router Safety -Table Saw Safety -Large Wood Working Project-Bar Stool |

