

Sustainable Agriculture II (2017)

Understand leadership qualities needed for successful employment in sustainable agriculture. 1.00

- 1 Understand leadership qualities and career management skills needed in the field of sustainable agriculture. 1.01
- 2 Apply public speaking skills. 1.02
- 3 Apply parliamentary procedure skills. 1.03

Understand Supervised Agricultural Experience 2.00

- 1 Understand SAE components and applications to work based learning. 2.01
- 2 Understand financial statements and recordkeeping. 2.02
- 3 Implement a SAE. 2.03

Understand a marketing and business plan for a sustainable grower. 3.00

- 1 Develop a marketing plan for a sustainable grower. 3.01
- 2 Create a business plan for a sustainable grower. 3.02

Understand sustainable communities. 4.00

- 1 Understand local and regional food systems. 4.01
- 2 Understand how sustainable agriculture globally contributes to feeding a growing population. 4.02

Understand energy resources in sustainable agriculture. 5.00

- 1 Understand renewable energy. 5.01
- 2 Understand energy efficiency and conservation in sustainable agriculture production. 5.02
- 3 Apply energy efficiency and conservation in sustainable agriculture production. 5.03

Understand emerging technologies in 21st century agricultural production. 6.00

- 1 Understand precision agriculture. 6.01
- 2 Understand applications of biotechnology. 6.02
- 3 Understand breeding programs in agricultural production. 6.03

1 Understand Good Agricultural Practices (GAP) to ensure food safety standards for production, post-harvest handling, processing, and distribution. 7.01

2 Apply Good Agricultural Practices (GAP) to agricultural production. 7.02

Understand food safety in sustainable agriculture production. 7.00

7 Understand food safety in sustainable agriculture production. 7.00

Apply methods of sustainable agriculture to produce an agricultural commodity. 8.00

1 Understand apiculture 8.01

2 Understand aquaponic and hydroponic production. 8.02

3 Understand mushroom production. 8.03

4 Understand vermicomposting. 8.04

5 Apply methods of sustainable agriculture to produce an agricultural commodity. 8.05
