

## Course Outline for SFP1302 — Forage and Crop Systems

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| Credits:       | 5 (5/0/0)   |
| Description:   | This course introduces students to sustainable soil fertility management practices and strategies such as cover cropping, crop rotation, conservation tillage and cultivation, compost production and use, and animal stacking. The course will also cover the foundations of plant science and forage plant identification.  |
| Prerequisites: | (None)  |
| Corequisites:  | (None)  |
| Competencies:  | <ol style="list-style-type: none"> <li>1. Classify major pasture forage plant species.</li> <li>2. Identify common pasture weeds.</li> <li>3. Analyze forage crop harvesting techniques.</li> <li>4. Propose the application of major forage plants in a crop rotation.</li> <li>5. Examine the delicate balance between the chemistry, biology and physiology of the soil.</li> <li>6. Describe basic composting techniques.</li> <li>7. Outline basic cropping techniques to maintain or build soil health.</li> <li>8. Analyze conservation tillage as a sustainable agronomic practice.</li> <li>9. Explain effects of continuous row crops.</li> <li>10. Determine land cropping capability.</li> <li>11. Explore planting techniques.</li> <li>12. Create a plan to have cover crops coexist with the primary crop.</li> <li>13. Determine the role animals feeding on cover crops has with creating healthy soil.</li> <li>14. Diagram uses of basic farm implements.</li> </ol> |
| Goal Areas:    | (None)  |