South Central College

MEAG 2200  Planning Farmstead Environment

Course Outcome Summary

Course Information

Description  This course covers farm building materials and methods of construction. The students home farm buildings and the concepts of planning will be examined and applied in the class. Design and drawing of various types of farm buildings will be required. The course will also cover site and facility considerations for modern farm operation.

Total Credits  3
Total Hours  64

Pre/Corequisites

None

Institutional Core Competencies

Civic Engagement and Social Responsibility - Students will be able to demonstrate the ability to engage in the social responsibilities expected of a community member.

Course Competencies

1. Describe farmstead layout planning principles
2. Differentiate fixed and variable building costs
3. Identify owned and rented land legal descriptions
4. Analyze home farm building and structure condition report
5. Measure home farmstead building dimensions
6. Describe farmstead plan components
7. Describe new building site considerations
8. Describe farm site purchase considerations
9. Draw farmstead map
10. Assess farmstead water supply
11. Describe county, state, federal permit regulations
12. Estimate farmstead grain and forage storage capacity
13. Compare grain and forage storage systems
14. Analyze machinery and equipment storage facilities
15. Analyze farmstead traffic patterns
16. Describe livestock facility considerations
17. Develop livestock management plan
18. Diagram farm shop plan
19. Identify farm building construction terms
20. Interpret farm building plans
21. Describe pole construction
22. Describe frame construction types
23. Explain Midwest plan design standards
24. Explain building load concept
25. Develop farm building specifications
26. Compare sheathing methods and materials
27. Compare insulation and vapor barrier materials
28. Compare construction fastener types
29. Compare roofing materials and methods
30. Describe foundation types
31. Calculate concrete requirements
32. Compare modern farm lighting
33. Assess farm building construction economics
34. Create farmstead expansion plan
35. Analyze sample farm sites
36. Record home farmstead video
37. Prepare farmstead long-range plan

SCC Accessibility Statement
South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: www.southcentral.edu/disability

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