



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 farm stead 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

This material can be made available in alternative formats by contacting the Academic Support Center at 507-389-7222.