

**ABE 501 Research Methods in Biosystems Engineering (2 units)**

12-12:50pm, Shantz 440

Date

Spring 2016

1/13/16 Introduction  
1/15/16 Setting goals, getting organized, advisors, and committees  
1/20/16 Principles of scientific research  
1/22/16 Developing a project, part 1 - strategic plans  
1/27/16 Developing a strategic Plan  
1/29/16 Developing a strategic Plan  
2/3/16 Design of experiments, project planning  
2/5/16 Literature Review  
2/10/16 Critique of papers  
2/12/16 Utilizing Library Resources for Research (tentative)  
2/17/16 Developing a project, part 2 - specific aims  
2/19/16 Specific Aims  
2/24/16 Proposal writing, peer review process  
2/26/16 Project management introduction  
3/2/16 The Proposal  
3/4/16 Writing the Proposal - ABE Graduate Requirements  
3/9/16 Students present critique on a paper; critique of critique  
3/11/16 Students present critique on a paper; critique of critique  
3/16/16 **Spring Break - no classes March 12-20**  
3/18/16 **Spring Break - no classes March 12-20**  
3/23/16 Introduction to Statistics  
3/25/16 Introduction to Experimental Design  
3/30/16 Financial planning and project budgets  
4/1/16 Strategic Plan finalization and presentation prep  
4/6/16 Introduction to Teaching Methods  
4/8/16 Teaching University Classes  
4/13/16 Students present strategic plan for proposal design (15 min)  
4/15/16 Students present strategic plan for proposal design (15min)  
4/20/16 Writing publishable papers and the thesis / dissertation  
4/22/16 Writing publishable papers and the thesis / dissertation  
4/27/16 Student presentations on proposals  
4/29/16 Student presentations on proposals  
5/4/16 Last day of class - Recap and Review

(Preliminary 01-08-1

Discussion

leader

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**Library Session Roor**

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Muluneh Yitayew

Students

Students

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Source material

Hillway, 1964

Hillway, 1964

Hillway, 1964

**m A112 in Main Library**

Jeanne Pfander

**Tentative**

Tentative

Tentative