





5. Understand role of microorganisms playing in organic matter, organic waste and contaminants. Understand role of metal status change facilitated by microorganisms.
6. Understand role of microorganism in nitrogen cycle.
7. Understand role of microorganisms in phosphorus cycle.
8. Understand roles of microorganism in sulphur cycle.
9. Understand management practice impact on carbon sequestration of soil.
10. Be able to use technical term to write a synthetic and research paper.

### **Learning Disabilities**

If any student enrolled in this class has a learning disability which may interfere with his or her ability to perform any of the work in the course, it is the student's responsibility to inform the UAF Center for Health and Counseling and the course instructor within the first two weeks of class so that accommodations can be made.

### **Student protection and service**

Every qualified student is welcome in my classroom. As needed, I am happy to work with you, disability services, veterans' services, rural student services, etc.

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## Synthesis and technical report for NRM 485

The purpose of the NRM 485 written synthesis paper is to give you a chance to research a topic in more detail than will be done in class and to gain practice in synthesizing information from the class and the literature. The paper should be on a topic of interest to you and related to soil biology. I have included a list of example topics at the end of this file; you are **NOT** required to use a topic from the list. Papers will be graded on coverage of topic (i.e. adequate coverage without excess detail), accuracy of information presented, appropriateness of references, organization, ability to discuss the pertinent information from the literature and synthesize it into a coherent body of information, and quality of presentation (how well it is written, including spelling and grammar). A brief (1/2 page) topic description will be due on Week 5. I will use this to determine if your topic seems reasonable for a synthesis paper and if it is appropriate for this class. You should turn in a draft by Week 8. I will critique the draft, and then return it to you with comments and suggestions for improvement. The final paper



## **Examples of Publications in Reference List or Literature cited**



