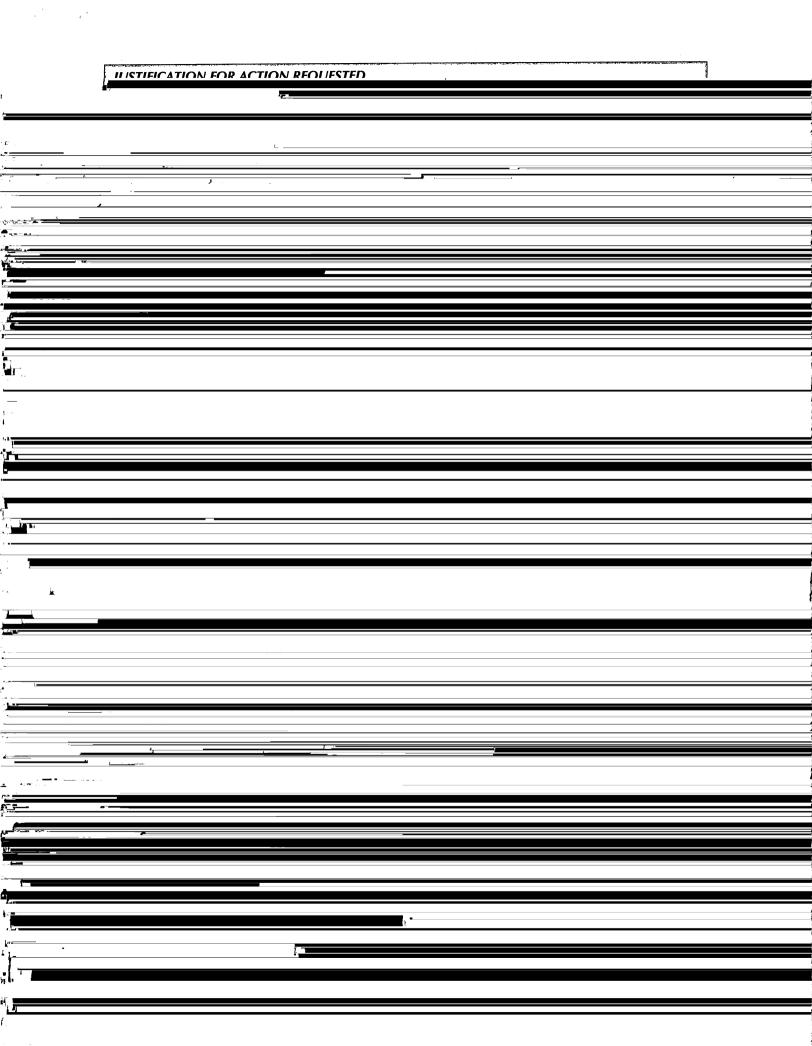
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	ATTACH COMPLETE SYLLABUS (as part of this application).  Note: The guidelines are online: http://www.uaf.edu/uafgov/faculty/cd/syllabus.html  The department and campus wide curriculum committees will review the syllabus to ensure that each of the items are missing or unclear, the proposed course change will be
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· <u>·</u>	Syllabus CHECKLIST for all UAF courses  Puring the first week of class_instructors will distribute a course syllabus. Although modifications may
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## BIOL 4XX/6XX CHEM 6XX ENVE 6XX Environmental Microbiology

Instructor: Dr. Mary Beth Leigh

Office: 228 West Ridge Research Building (WRRB)

Phone: 474-6656

Email: mbleigh@alaska.edu

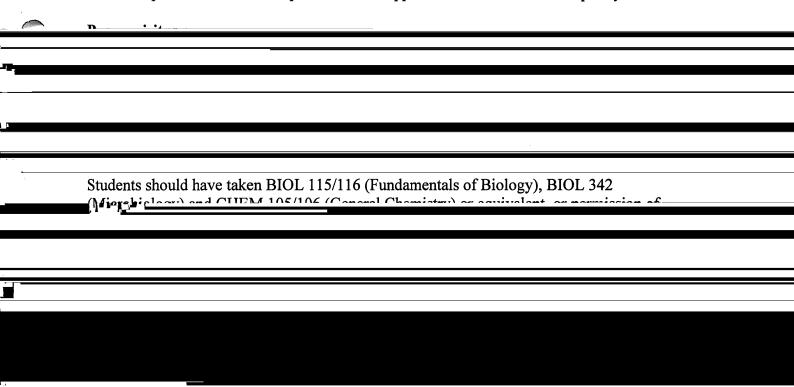
Office hours: XXXXXXX or by appointment

Class time and place

Tuesday and Thursday 9:45-11:15

## **Course overview**

This course provides a comprehensive overview of the role of microorganisms in environmentally-relevant processes including bioremediation of pollutants, biogeochemical cycling and wastewater treatment, and covers modern molecular methods for studying microbes in the environment. Upper level undergraduate and graduate students in Biology, Environmental Chemistry, Environmental Engineering or other related disciplines will gain expertise in microbial processes with an emphasis on their application to environmental quality issues.



• Develop literature research, writing and oral presentation skills

Course format: Lectures with supporting readings from textbooks and primary scientific literature will form the knowledge base of the course. Journal articles relevant to the current topic will be assigned for critical group discussion.

	Assignments: The goals of these everoises are to help develop research writing and and
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	presentation/teaching skills important to success in their postgraduate scientific careers.
	• Reading questions: When journal articles are assigned for reading and discussion, reading
	questions (short answer) will also be assigned which should be completed before the beginning of the discussion class period.
	Invisible Jungle: Practice skills in communicating science to the public by developing a
	• Invisible Jungle: Practice skills in communicating science to the public by developing a short (2-min) radio story about a topic in anxisonmental missabiatana San

Course evaluations: I welcome your positive and negative comments at any time. Opportunities to provide anonymous evaluations will be provided at the middle and end of semester.

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