

COURSE TITLE: Bioremediation
COURSE NUMBER: Biol-831*
TERM OFFERED: 2159 FALL 2015
INSTRUCTOR: Dan Lefebvre
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OUTLINE OF TOPICS:

Bioremediation is the use of organisms to alleviate environmental problems. Topics will include the biology of the organisms involved and their bioremediation processes. Plants act to absorb and concentrate heavy metals from soils whereas micro-organisms, invertebrates and plants degrade organic contaminants and remove excess nutrients from soils, substrates and water. The processes include extraction, absorption, concentration, and degradation of contaminants.

EVALUATION:

One essay on basic principles 20%
Two essays on specific areas of bioremediation 60%
One oral presentation on one of the above specific areas 20%