MB 540. Environmental Microbiology. 3 Credits. (3 Ind) F
PREREQUISITE: MB 536 and MB 541 or equivalent course. COREQUISITE:
BS in biology or equivalent; Graduate standing or petition approval from the
Vice Provost of Graduate Education. Biotechnology, industrial microbiology,
antimicrobial chemotherapy, public health, epidemiology, climate change,
food water, wastewater, extreme environments, space travel, biodegradation,
bioenergy and bioaugmentation. Ideal for middle/high school/college teachers,
and others in education/outreach, e.g., museums, zoos, National Parks, nature
preserves, environmental health.

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<th>Section</th>
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<th>Days</th>
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MB 541. Microbial Genetics. 3 Credits. (3 Lec) Su alternate years, to be offered
odd years.
Prokaryotes provide much of the understanding of fundamental genetics for all
organisms, especially through in vivo and in vitro genetic tools. Transcription,
translation, mutation and recombination are considered, so that science teachers
understand of fundamentals of genetics. This course is intended for practicing
teachers and those in the MSSE program.

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MB 547. Thermal Biology of YNP. 2 Credits. (1 Lec, 1 Lab) Su
Thermal Biology, an interdisciplinary science that incorporates biology, geology,
and chemistry to discover where and under what conditions life can exist in the
thermal features of Yellowstone National Park. As such, it lends itself easily to
incorporation to most science curricula. The two goals of this are to: 1) provide
a basic understanding of the ecology of a variety of life forms and their thermal
habitats, and 2) provide a survey of observational techniques and hands-on
activities appropriate for science educators.

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MB 591. Special Topics. 1-4 Credits. (1-4 Lec; 12 cr max) On Demand
PREREQUISITE: Upper division courses and others as determined for each
offering. Courses not required in any curriculum for which there is a particular one
time need, or given on a trial basis to determine acceptability and demand before
requesting a regular course number.

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Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.