

## GEOG 474

Note: this is a new course, and thus you need to email Miljana Kovacevic for permission. You should be in a good position to do well in this course if you have GEOG 201, ENVS 274 F19 or GEOG 209.

***The course:*** Eutrophication, caused by excess nutrients (phosphorus and nitrogen) entering water bodies, results in nuisance and harmful algal blooms, and is a major global threat to water quality and water security. This new course, designed for graduate and upper-level undergraduate students, will explore: eutrophication drivers and impacts on freshwater quality, from watershed to global scales; sources and biogeochemical cycling of nutrients along the land-river-lake continuum; ecological responses and nutrient water-quality standards and criteria; the benefits and challenges of sustainable nutrient stewardship; and application of this knowledge in water-quality management.

***How it's moved online:*** There will be 90 minute synchronous sessions for discussions weekly. If you are unable to participate in these, you will be able to access the content later.