

**College of Science
Proposed Catalog Changes
Effective Summer 2018**

GEOLOGICAL SCIENCES

1. Add the following joint and cross-listed courses:

Geol J428/J534 Geostatistics (3 cr)

See GeoE 428.

Geol 534 Geostatistics (3 cr)

See Geol J428/J534.

Available via distance: No

Geographical Area: Moscow

Rationale: This course should be available as a more intensive 500-level course for graduate students, while still being available as a 400-level technical elective for undergraduates. Furthermore, if this course is made available at the 500 level, more room is available on the 30-credit graduate study plan for supporting CE courses in geotechnical engineering and hydrology at the 300 and 400 level, which are important courses for graduate students in the MS Geological Engineering program with geology backgrounds. The graduate level course will be taken by both Geol and GeoE grad students. The course will be both cross-listed and joint-listed.

Note that this cross-listing proposed is for an existing GEOE course to be also available as a GEOL course. The instructor will be Jerry Fairley in the Geosciences Department. CEE has not offered this course since Stan Miller retired seven years ago, but the course has not gone dormant, probably because of its significance to the fields of geological engineering and hydrogeology.

Editor's note: Patricia Colberg (Chair, Civil Engineering) and Chris Williams (Chair, Statistics) expressed support for this proposal via email

GeoE 428 description: Same as Stat 428. WSU Geol and Stat 428. Applications of random variables and probability in geologic and engineering studies; regression, regionalized variables, spatial correlation, variograms, kriging, and simulation. Recommended Preparation: Stat 301. Cooperative: open to WSU degree-seeking students.