SOIL (SOL)

SOL-1150 Agriculture Soils (3 Credits)
A theoretical, laboratory, and field techniques approach to the study and management of agricultural soils with an emphasis on the soils of Western Canada. Theory includes soil formation, physical, chemical and biological soil properties. Laboratory and field techniques introduce students to soil classification, management of salinity, acidity, erosion, tillage and precipitation to optimize crop production.
Instruction (3.0), Lab (2.0)
Equivalent to AGR-1169, AGR-1168, AGR-168, AGR-172.
Requisite courses: Take SOL-1150L (Required, Concurrent).

SOL-2250 Soil Fertility (3 Credits)
Plant nutrient forms, transformations, possible fates and cycles in soils are examined, with an emphasis on Western Canadian agricultural systems. Topics include agronomic practices to enhance soil fertility and nutrient utilization by plants. Techniques for soil sampling, manure application, composting, and commercial fertilizer placement are described. Calculations of commercial fertilizer and manure application rates to meet crop requirements and potential costs per unit of land are covered.
Instruction (3.0), Lab (2.0)
Equivalent to AGR-2266, AGR-266.
Requisite courses: Take SOL-1150 or RRM-2253 (Required, Previous). Take SOL-2250L (Required, Concurrent).