WMHS WATER MGMT & HYDROL. SCI.

WMHS 601/GEOG 634 Hydrology and Environment
Credits 3.3 Lecture Hours.
Examination of hydrologic processes affecting surface and groundwater resources; impact of climate, soils, vegetation, land-use practices and human effects on hydrologic processes; natural-scientific perspectives emphasized.
Prerequisite: Graduate classification.
Cross Listing: GEOG 634/WMHS 601.

WMHS 602 Contemporary Issues in Water Resources
Credits 3.3 Lecture Hours.
Examination of contemporary issues in water resource systems including water quantity, water quality, ecosystem sustainability and water supply; focus on economic, legal, political and social considerations, and alternatives in water resource systems.
Prerequisite: Approval of instructor.

WMHS 640/GEOL 640 Geochemistry of Natural Fresh Waters
Credits 3.3 Lecture Hours.
Chemistry of aqueous solutions; weathering/redox reactions and controls on fresh waters; natural and anthropogenic factors affecting major, minor, and trace elements in fresh waters; evaluation of fresh water composition; application of water-quality measurements to quantitative hydrology.
Cross Listing: GEOL 640/WMHS 640.

WMHS 681 Seminar
Credit 1.1 Other Hour.
Presentations on important developments and current research in hydrological sciences and water management; seminars presented by faculty, graduate students, visiting scholars and water professionals. May be repeated 3 times for credit.
Prerequisite: Approval of instructor.

WMHS 685 Directed Studies
Credits 1 to 4.1 to 4 Other Hours.
Special topics in water not within scope of thesis research and not covered by other formal courses.
Prerequisite: Graduate classification and approval of instructor.

WMHS 689 Special topics in...
Credits 1 to 4.1 to 4 Lecture Hours.
Selected topics in an identified area of water management or hydrological science. May be repeated for credit.
Prerequisite: Approval of instructor.

WMHS 691 Research
Credits 1 to 23.1 to 23 Other Hours.
Research toward thesis or dissertation.