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 684 Professional Internship
Credits 0-1. 0-1 Other Hours.
An on-the-job supervised experience program, conducted on an individual basis in the area of the student’s specialization in water management and hydrological science.
Prerequisites: Graduate classification or 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.