

**UNIVERSITY OF NEVADA LAS VEGAS**  
**GEOLOGY 712 - WATERSHED HYDROLOGY (3 Credits)**

<http://hydro.nevada.edu/courses/gey712>

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### **COURSE DESCRIPTION**

Concepts and processes controlling water movement and distribution within the watershed; analysis techniques for understanding watershed dynamics; numerical simulation of various watershed-scale hydrologic processes.

### **COURSE OBJECTIVES**

Understanding watershed hydrology is crucial to ecological, biological, and hydrological studies for evaluating the effect of environmental changes (e.g., pesticides use and urban development) on the watershed and predicting how any change in the future will affect the watershed system. Main objectives of this course are to introduce the principles and concepts of watershed hydrology and to learn various analysis tools (including modeling) which can be used to evaluate various physical processes and conduct risk assessment for monitoring and restoring watersheds.

### **Additional Information:**

1. Academic honesty / dishonesty matters will be treated in accordance with the Academic honesty / dishonesty statement as printed in the UNLV Undergraduate Catalog.
2. If you have a documented disability that may require assistance, you will need to contact the Disability Resource Center for coordination of your academic accommodations. Students may contact Student Support Services in Room 137 in the Reynold's Student Services Complex, or call the office at 895-0866 (TDD 895-0652).
3. It shall be the responsibility of the student to notify the instructor no later than the last day of late registration of his or her intention to participate in religious holidays which do not fall on State holidays or periods of class recess. This policy shall not apply in the event that administering the test or examination at an alternative time would impose an undue hardship on the instructor or the University, which could not reasonably have been avoided.
4. The University of Nevada, Las Vegas, does not discriminate on the basis of race, color, creed, religion, national or ethnic origin, gender, age, sexual orientation, disability or veteran status.
5. Students are welcome to use the UNLV Writing Center free of charge. Consultants can assist students at all stages of the writing process, from generating ideas to developing and polishing later drafts. Students may make 30-minute appointments by calling the Center at 895-3908, or by dropping by FDH 240.