

**Fall 2003**

**Graduate Seminar (1 credit)**

**Understanding Hydrologic and Erosion Processes in  
Watersheds for Better Integrated Management**

**WSM 696a – Watershed Seminar (Call # 66295)**

This seminar will focus on hydrology, erosion, and sediment on semi-arid rangeland watersheds. Experts in the field will direct student discussion on various aspects of the hydrologic system, including field measurement techniques, infiltration and runoff processes, erosion mechanics, channel processes, computer simulation modeling, and ending with the integration of hydrologic understanding into the process of participatory watershed management. This seminar represents a unique opportunity to learn from experts who are actively working on each specific topic covered in the program. Format will encourage active student participation in discussions and presentations.

Time: Tuesdays at 4:00 pm

Place: BSE 124

For more information please contact Dr. Vicente Lopes, BSE 310, 621-9389,  
vlopes@ag.arizona.edu

**Program**

- |     |    |  |
|-----|----|--|
| Sep | 02 | Dr. Jeff Stone, ARS-USDA, Research Hydrologist<br>Hydrologic Response of Selected Ecological Sites in Southwestern Arizona<br>and Northern Chihuahua |
|     | 09 | Group Discussion, Facilitator: Jean Lever  |
|     | 16 | Dr. Ginger Paige, ARS-USDA, Research Hydrologist<br>Infiltration and Runoff: Measurement, Scale & Modeling   |
|     | 23 | Group Discussion, Facilitators: Jennifer Wickre & Roberta McGuire  |
|     | 30 | Dr. Mark Nearing, ARS-USDA, Research Hydrologist<br>Soil Erosion and Sediment Transport  |
| Oct | 07 | Group Discussion, Facilitators: Pablo, Jennifer Psillas &<br>Demetrio Fernandez-reynoso  |

- Oct 14 Dr. Mary Nichols, ARS-USDA, Research Hydraulic Engineer  
Sediment Yield and Transport at Walnut Gulch
- 21 Group Discussion, Facilitators: Elzbieta Czyzowska & Serhiy Porovskyy
- 28 No meeting
- Nov 04 Dr. Richard Hawkins, SRNR-UA, Professor  
Survey of Methods for Sediment TMDLs in Western Streams of the  
United States
- 11 Veterans' Day
- 18 Dr. Evan Canfield, ARS-USDA, Hydrologist  
Modeling Hydrologic Impacts of Fire in Los Alamos, NM
- 25 Group Discussion, Facilitators: Yuko Yamaguchi, Natalia Bulygina &  
Haiyan Wei
- Dec 02 Dr. Vicente Lopes, SRNR-UA, Associate Professor  
Collaborative Watershed Management: Integrating Science,  
Policy and Public Participation
- 09 Group Discussion, Facilitators: Wiebke Foerch & Francisco Delgado