

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

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