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
      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
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| Oct 14 | Dr. Mary Nichols, ARS-USDA, Research Hydraulic Engineer  
Sediment Yield and Transport at Walnut Gulch |
| Oct 21 | Group Discussion, Facilitators: Elzbieta Czyzowska & Serhiy Porovskyy |
| Oct 28 | No meeting                                                            |
| Nov 04 | Dr. Richard Hawkins, SRNR-UA, Professor  
Survey of Methods for Sediment TMDLs in Western Streams of the United States |
| Nov 11 | Veterans’ Day                                                          |
| Nov 18 | Dr. Evan Canfield, ARS-USDA, Hydrologist  
Modeling Hydrologic Impacts of Fire in Los Alamos, NM |
| Nov 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 |
| Dec 09 | Group Discussion, Facilitators: Wiebke Foerch & Francisco Delgado       |