**Interdisciplinary Modeling: Water-Related Issues
and Changing Climate
RGSC 618 (Summer 2012)**

Class Schedule (as of 6/6/12)

Monday, June 4, 2012 (Location: GT #338; Lunch in GT #300)

8:00-8:15	General introduction	Saito
8:15-9:15	Ethics of modeling and why model	Saito
9:15-9:55	Model concepts and issues	Koracin
9:55-10:05	BREAK	
10:05-12:00	Conceptual modeling exercise	Saito/Koracin/Steele
12:00-1:00	LUNCH	
1:00-2:55	Weather and climate modeling	Koracin
2:55-3:05	BREAK	
3:05-5:00	GIS, remote sensing and snow hydrology modeling	Steele

Tuesday, June 5, 2012 (Location: GT #338; Lunch in GT #300)

8:00-9:55	Systems dynamics modeling	Ahmad
9:55-10:05	BREAK	
10:05-12:00	Introduction to Stella lab	Ahmad
12:00-1:00	LUNCH	
1:00-2:55	Vadose zone modeling	Heinse
2:55-3:05	BREAK	
3:05-5:00	Groundwater modeling	King

Wednesday, June 6, 2012 (Location: GT #338; Lunch in GT #300)

8:00-9:55	Adding people to the equation	Wulfhorst
9:55-10:05	BREAK	
10:05-12:00	Mathematical modeling	Telyakovskiy
12:00-1:00	LUNCH	
1:00-2:55	Hydrologic/watershed modeling	Stone
2:55-3:05	BREAK	
3:05-5:00	Vegetation-atmosphere, canopy interception modeling	Link

Thursday, June 7, 2012 (Location: GT #338; Lunch in GT #253)

8:00-9:55	Economics modeling	Elbakidze
9:55-10:05	BREAK	
10:05-12:00	Ecological modeling	Boykin
12:00-1:00	LUNCH	
1:00-2:55	Thermal stratification modeling	Kreamer
2:55-3:05	BREAK	
3:05-5:00	Evapotranspiration modeling	Sridhar

Friday, June 8, 2012 (conference/workshop) (Location: KN #238; Lunch in KN #201)

8:00-8:15	Welcome/Introduction	Saito/Link/Fernald
8:15-9:00	Why the past matters	Biondi
9:00-9:45	Use and misuse of models	Wilson
9:45-10:00	BREAK	
10:00-10:45	Issues of scale	Saito/Mejia
10:45-11:30	Uncertainty and calibration	Saito/Tracy
11:30-1:00	LUNCH	
1:00-1:45	Overview of acequia project	Fernald/Guldan
1:45-2:30	Case study (Rio Chama watershed)	Rivera/Gonzales
2:30-2:45	BREAK	
2:45-3:30	Case study (acequia project)	Ortiz
3:30-4:15	Historical perspective (acequia project)	Garcia-Bryce
4:15-5:00	Case study (acequia project)	Boykin
	Assign Projects	

Saturday, June 9, 2012 (conference/workshop) (Location: GT #337/#338; Lunch GT #300)

8:15-9:00	Discussion of JCWRE special issue (INSTRUCTORS ONLY)	INSTRUCTORS
9:00-9:45	CSDMS modeling	Peckham
9:45-10:00	BREAK	
10:00-10:45	Case study	Tracy
10:45-11:30	Case study	Borden
11:30-1:00	LUNCH	
1:00-2:30	Work with students on projects	all
2:30-2:45	BREAK	
2:45-5:00	Work with students on projects	all

Sunday, June 10, 2012 (Location: GT #338; Lunch in GT #300)

8:00-9:55	Lab: Climate modeling	Mejia
9:55-10:05	BREAK	
10:05-12:00	Lab: Hydrologic/watershed modeling	Saito
12:00-1:00	LUNCH	
1:00-2:55	Lab: Vadose zone/groundwater modeling	Link/King
2:55-3:05	BREAK	
3:05-5:00	Lab: Canopy interception/evapotranspiration modeling	Link/Sridhar

Monday, June 11, 2012 (Location: GT #338; Lunch in GT #300)

8:00-9:55	Lab: Economics modeling	Cobourn
9:55-10:05	BREAK	
10:05-12:00	Lab: GIS/remote sensing	Steele
12:00-1:00	LUNCH	
1:00-2:55	Lab: Systems dynamics modeling	Tidwell
2:55-3:05	BREAK	
3:05-5:00	Statistical modeling	Panorska

Tuesday, June 12, 2012 (Location: GT #338; Lunch in GT #300)

8:00-9:55	Lab: Ecological modeling	Boykin
9:55-10:05	BREAK	
10:05-12:00	Students work on projects	
12:00-1:00	LUNCH	
1:00-5:00	Students work on projects	

Wednesday, June 13, 2012 (Location: GT #338; Lunch in GT #300)
8:00-12:00   Students work on projects
12:00-1:00   LUNCH
1:00-5:00   Students work on projects

Thursday, June 14, 2012 (Location: GT #338; Lunch in GT #300)
8:00-12:00   Students work on projects
12:00-1:00   LUNCH
1:00-5:00   Students work on projects

Friday, June 15, 2012 (Location: GT #338)
8:00-12:00   Students work on projects
12:00-1:00   LUNCH
1:00-5:00   Student presentations of projects

Friday, June 22, 2012
5:00 p.m.   Student reports are due to Laurel Saito by email