

Schedule for Sustainable Agriculture (AGRIC 1101/RUSOC 2203) – Fall Semester 2008
University of Missouri – Instructors: Dr. Fred Martz and Bill McKelvey

Section 1: Defining and Describing Sustainable Agriculture

Date	Topic	Reading	Assignment
August 26	Introductions and Overview		Homework Assignment #1: Visiting the Farmer's Market. Go to Blackboard (https://courses.missouri.edu/) and complete Homework Assignment #1, found under the Assignments Tab. Due by Tuesday, October 21
August 28	What is Sustainable Agriculture? (Fred and Bill)	<i>Exploring Sustainability in Agriculture</i> at http://sare.org/publications/explore/explore.pdf .	
September 2	A personal story – The past 100 years in agriculture (Fred)	Chapters 1& 2 in Tom Lyson. 2004. <u>Civic Agriculture</u>	
September 4	Field Trip #1: Visit the farm of Fred Martz	Martz Farm Overview and <i>Exploring Sustainability in Agriculture</i> at http://sare.org/publications/explore/explore.pdf .	Field Trip Report #1 (A guideline for writing reports can be found under the Assignments tab on Blackboard at https://courses.missouri.edu/ . Due by Thursday, September 11
September 9	Contrasting the past with the present – A look at Biomimicry and the importance of place based applications (Fred)	Pp. 1-10 and 285-297 in Benyus, Janine. 1997. <u>Biomimicry – Innovations Inspired by Nature</u> . Harper Perennial.	

September 11	Field Trip #2: Jefferson Farms and Gardens	Jefferson Farms and Gardens website (http://www.jeffersonfarm.org/index.php) and <i>Exploring Sustainability in Agriculture</i> at http://sare.org/publications/explore/explore.pdf .	Field Trip Report #2 (A guideline for writing reports can be found under the Assignments tab on Blackboard at https://courses.missouri.edu/ . Due by Thursday, September 18
Section 2: People and Sustainable Agriculture: Families, workers, and communities			
September 16	Community Food Systems (Bill)	A Primer on Community Food Systems: Linking Food, Nutrition and Agriculture http://foodsys.cce.cornell.edu/primer.html	Quiz: Section 1
September 18	Urban Agriculture and Community Gardening (Bill)	Winne, Mark. 2008. Chapter 4: Community Gardens, in <i>Closing the Food Gap</i> City Farmer News at http://www.cityfarmer.info/	
September 23	Community Food Security (Guest Speaker, Mary Hendrickson)	“Promoting Food Security and Building Healthy Food Systems” http://www.foodsecurity.org/PerspectivesOnCFS.pdf	
September 25	Sustainable Agriculture and labor issues (Guest Speaker, Mary Hendrickson)	Mello, Felicia. 2006. "Hard labor: For farmworkers, it's not easy being organic." <i>The Nation</i> 283(7):21-28	
Section 3: The Environment and Sustainable Agriculture			
September 30	The Ecology of Sustainable Agriculture, Part I: Agroecology (Fred)	Gliessman, Stephen, “Agroecology: Ecological Processes in Sustainable Agriculture”, Section 1, Chapter 2, p. 17-28.	Quiz: Section 2
October 2	Can Sustainable Agriculture Feed the World? (Bill)	Dianna Deumling, Mathis Wackernagel, and Chad Monfreda, “Eating up the Earth: How Sustainable Food Systems Shrink our Ecological Footprint” http://www.resourcesaver.org/file/toolmanager/CustomO16C45F60895.pdf Read article “Organic Farming Can Feed the World” and listen to Podcast at http://www.ns.umich.edu/htdocs/releases/story.php?id=5936	

October 7	Biological Diversity and Working Landscapes (Bill)	Jackson, Laura. 2002 "The farm, the nature preserve and conservation." Pp. 39-55 in Dana L. Jackson and Laura L. Jackson (eds). <i>The Farm as Natural Habitat</i> . Island Press: Washington DeVore, Brian. 2002. "Stewards of the wild." Pp. 97-106 in Dana L. Jackson and Laura L. Jackson (eds). <i>The Farm as Natural Habitat</i> . Island Press: Washington	
October 9	Sustainable Agriculture and Water (Guest Speaker, Bob Broz)	"Smart Water Use on Your Farm or Ranch." Published by the Sustainable Agriculture Network at USDA, and available at www.sare.org/publications/water.htm	
October 14	Sustainable Agriculture and Soil (Guest Speaker, Bob Kremer)	Part 1 (pp 1-20) of Preston Sullivan. 2004. "Sustainable Soil Management." Available at www.attra.ncat.org/attra-pub/PDF/soilmgmt.pdf	
October 16	Quiz		Quiz Section 3
Section 4: Sustainable Agriculture and Economic Viability			
October 21	Return Quiz 3 and Visit Sanborn Field	Sanborn Field Website Read "Objectives and Management" and "The Second Century Plan Summary" at http://aes.missouri.edu/sanborn/research/index.stm and 1998 Annual Weather and Management Report at http://aes.missouri.edu/sanborn/research/anlrpt/intro.stm	
October 23	Field Trip #3: Walk About Acres	Explore the Walk About Acres Farm website at http://www.walk-aboutacres.net/ <i>Exploring Sustainability in Agriculture</i> at http://sare.org/publications/explore/explore.pdf .	Field Trip Report #3 (A guideline for writing reports can be found under the Assignments tab on Blackboard at https://courses.missouri.edu/ . Due by Thursday, October 30
October 28	Agroforestry (Guest Speaker, Michael Gold)	Training Manual for Applied Agroforestry – 2006 edition. http://www.centerforagroforestry.org/pubs/training.pdf (pp. 1-15). Optional reading: What is Agroforestry?, The 5 key practices of Agroforestry, http://www.centerforagroforestry.org/practices/index.asp	

October 30	Alternative Cropping Systems (Guest Speaker, Rob Myers)	Diversifying Crop Systems www.sare.org/bulletin/diversify	
November 4	Marketing (Guest Speaker, Mary Hendrickson)	“Marketing Strategies for Farmers and Ranchers” Published by the Sustainable Agriculture Network at USDA and available at: http://www.sare.org/publications/marketing.htm	
November 6	NO CLASS – Field Trip #4 (On Your Own): National Small Farm Trade Show and Conference (November 6-8)	Explore the Small Farm Trade Show & Conference website: http://www.smallfarmtoday.com/tradeshows/default.asp and read the following articles from the Small Farm Today Magazine. Klober, Kelly. 2006. “Teetering on the edge.” <i>Small Farm Today</i> . Pp. 14-15 in March/April. Ikerd, John. 2006. “Reclaiming the dignity of rural America.” <i>Small Farm Today</i> . Pp. 21-23 in March/April.	Small Farm Trade Show Report: A guideline for writing reports can be found under the Assignments tab on Blackboard (https://courses.missouri.edu/). Due by Thursday, November 13
November 11	Coffey Ranch-What progress looks like (Fred)	Griffith, Charles, 2000, Grazing management effects on native plant communities. Noble Foundation, Ardmore, OK. (Proceedings of 2000 Missouri Forage & Grassland Council pp 35.)	
November 13	Sustainable Vegetable Production (Guest Speaker, Jim Quinn)	“Market Gardening: A Start-Up Guide.” By Janet Bachman. Available at http://www.attra.org/attra-pub/PDF/marketgardening.pdf	
November 18	Getting Started in Farming (Guest Speaker, Jill Lucht)	http://www.columbiamissourian.com/stories/2008/04/29/mu-extension-course-helps-new-farmers/ http://extension.missouri.edu/growyourfarm/ http://www.attrainternships.ncat.org/	
November 20	Whole Farm Planning: (Fred)	“Building a Sustainable Business Plan.” This is a SARE publication available at http://www.sare.org/publications/business/business.pdf . Please read pages 11-26. Pp. 1-22 and 227-231 in Judy, Gregg. 2002. <u>No Risk Ranching—Custom Grazing on Leased Land</u> . Green Park Press: Ridgeland, MS.	Homework Assignment #3: Whole Farm Planning. Go to Blackboard (https://courses.missouri.edu/) and complete Homework Assignment #3, found under the Assignments Tab. Due Tuesday, December 2

November 25	No Class	Thanksgiving Recess – Have a good Thanksgiving!	
November 27	No Class	Thanksgiving Recess – Have a good Thanksgiving!	
December 2	Farming for Profit – A look at business analysis and management of sustainable farms (Fred)	<p>These are all bundled into one PDF on the Readings Page.</p> <p>Pratt, Dave. 2000. “Building a business that works for you.” <i>Beef Magazine</i>. May</p> <p>Pratt, Dave. 2000. “The three secrets for increasing profit.” <i>Beef Magazine</i>. June.</p> <p>Pratt, Dave. 2000. “Ranching with nature.” <i>Beef Magazine</i>. July.</p>	
Section 5: Ethics and Policy in Agriculture			
December 4	Federal Farm Policy (Bill)	Farm Bill 101: A quick and easy guide to understanding the Farm Bill http://www.oxfamamerica.org/files/OA_Farm%20Bill%20101.pdf	Quiz: Section 4
December 9	Ethics and Agriculture (Guest Speaker, Maria Rodriguez)	Michael Pollan, Farmer in Chief, NY Times Magazine, Oct 9, 2008	
December 11	Farmer-owned Cooperatives (Guest Speaker, Russ Kremer)	TBD	
December 18			In-Class Final Exam, 10:30 am, Schweitzer 28