Fall 9-1-2005

FOR 480.01: Forest and Rangeland Area Planning and Design (PDA)

Donald F. Potts
University of Montana - Missoula, Donald.potts@umontana.edu

Elizabeth Coulter
University of Montana, Missoula

FOR 480 P D A - Lecture and Lab Schedule - Fall 2005 AS OF 8/29/05

	Tuesday	Thursday	Friday Lab 1:00 - 5:00 PM
Week 1 8/29	Course introduction Resource Planning, NEPA, MEPA, CWA, NFMA & FLPMA D. Potts	Resource Assessment - Federal Guide for W.S. Analysis. Specialist Team assignments D. Potts	Field Trip to Miller/Schwartz Creek planning area
Week 2 9/05	Wildlife Considerations J. Firebaugh MTFWP	Issues, Questions, and Reference Conditions D. Potts	Lab orientation; log-on codes; review of file procedures **Lab 1** – Intro to ArcGIS; Miller/Schwartz Creek GIS; Lab Assignment #1
Week 3 9/12	Montana's Forestry BMPs Dan Rogers DNRC	Fire issues in Miller/Schwartz Creek R. Wakimoto	Specialist Teams meet and work Lab open for assistance
Week 4 9/19	Specialist Teams meet and work	Recreation Opportunity Spectrum S. McCool	**Resource Assessment Outline Due** Specialist Teams meet and work Lab open for assistance
Week 5 9/26	Valuation E. Coulter	10-Step Project Planning D. Potts	Lab open for assistance
Week 6 10/03	ID Planning Team & Project Assignments Questions and Answers	Scoping D. Potts	**Lab 2** – Lab Assignment #2 Assignment #1 due Lab open for assistance
Week 7 10/10	Writing Resource Goals, Objectives and Strategies - D. Potts	ID Team Leadership Bev Yelczyn (USFS)	**Resource Assessments Due** ID Teams meet and work; Lab open for assistance
Week 8 10/17	Direct, Indirect and Cumulative Effects S. Woods	Evaluating Significance of Impacts D. Potts	Planning Teams meet and work Lab open for assistance
Week 9 10/24	Comparing alternatives and making tradeoffs E. Coulter	ID Planning Teams meet and work	**Lab 3** - Lab Assignment #3 Assignment #2 due Lab open for assistance
Week10 10/31	Planning teams meet and work	Project Planning on State Lands TBA	Lab open for assistance
Week11 11/07	Planning Teams meet and work	Planning teams meet and work	**No class – Veterans' Day**
Week12 11/14	**Planning Team** (Scoping, Goals, Obj's.)	**Preliminary Presentations**	**Lab 4** - Final Lab Assignment Lab Assignment #3 due
Week13 11/21	Planning Teams meet and work.	**No class - Thanksgiving**	**No class - Thanksgiving**
Week14 11/28	Planning Teams meet and work.	Implementing, Monitoring and Revising the Plan D.Potts	Planning Teams meet and work Lab open for assistance
Week15 12/05	**Final Presentations**	**Final Presentations**	Final Lab Assignment due
	FINAL EXAM	Tuesday, 12/13 10AM	

FOR 480 Forest and Rangeland Area Planning and Design (PDA)
Fall 2005

Instructors:	Donald Potts and Beth Coulter	
Office:	FOR 203	FOR 201A
Phone:	243-6622	243-5542
Email	don.potts@cfc.umt.edu	
	elizabeth.coulter@cfc.umt.edu	
Office Hours:	"Open door policy"	

Teaching Assistant:	Rob Ahl
Office:	FOR 201
Email:	rob.ahl@umontana.edu

Course Objectives:

Roughly the 1st half of PDA involves resource assessment at the watershed scale using an interdisciplinary team (ID) approach. The chosen methodologies allow: (1) development of an understanding of the past and present factors influencing watershed condition and a comprehensive view of the cumulative effects of management practices and land use; and (2) location (using GIS) of any watershed areas sensitive to erosion, hydrologic change, riparian or wildlife habitat change, establishing the level of sensitivity based on risk to public resources for which prescriptions must be developed. The resource assessment becomes the common data base for the project-level planning exercises that follow.

The second half of PDA involves development of NEPA compliant project plans again working in an interdisciplinary team environment, then presenting those plans to the class using 2 PowerPoint presentations. Projects assigned to ID teams will range from Forest Health to Recreation development. Specific objectives include: (1) gaining familiarity with NEPA requirements in natural resource planning; (2) working in an interdisciplinary planning team environment; (3) learning some of the uses of GIS in planning.

Grading Policy:

- 30% Resource Assessment - Group Grade
- Additional 1 to 5% peer evaluation of individual contribution to the Resource Assessment
- 40% Project Plan - Group Grade (25% Presentations / 15% Final Document)

- Additional 1 to 5% peer evaluation of individual contribution to the Project Plan
- 10% GIS
- 5% Miscellaneous Assignments
- 5% Final Exam

The +/- grading system will be used. It is anticipated that traditional “break points” will be in force (e.g. 93 and above = A; 90-92 = A-; etc.)