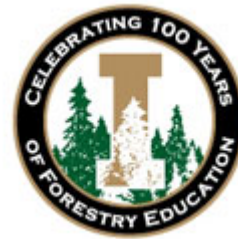


College of Natural Resources

**Department of Forest Resources
Forest Measurements and Inventory
Laboratory 10**



Part 1: Vegetation Cover

Objectives of this laboratory exercise include:

- Perform line intercept shrub cover estimations
- Perform quadrant measurements
- Perform Brown's Transects
- Perform canopy density measurements

Location: Meet at the **Gold Fire Hydrant beside the Old Arboretum**

Materials and Supplies:

- Clipboard + Pencils
- This Sheet – Please bring with you
- Loggers Tape
- 100 foot tapes (supplied)
- Flags (supplied)
- Small clear plastic rulers
- Calculator (this will help!)

Part 1: Using line intercept methods complete the following table:

Transect length: _____

Shrub Species	Length of Cover	% Cover

Percent of Total Coverage: _____

Shrub Species	Length of Cover	% Cover

Percent of Total Coverage: _____

Part 2: For the identified 1/100 acre plot complete the following table as much as possible:

UNDERSTORY DATA

Unit				Elevation					
Stand				Date				Plot center coordinates	
Plot #				Collectors					
Habitat type				Slope placement				x	
Aspect				Fuel Model				y	
% slope								bottom, low, mid, upper, ridge	

Quadrat location	vege. type	species code	% cover code	mean height (ft)	max height (ft)	Quadrat location	vege. type	species code	% cover code	mean height (ft)	max height (ft)
NORTH	grass					EAST	grass				
	forb						forb				
	shrub						shrub				
	tree/regen						tree/regen				
litter					litter						
bare/other					bare/other						

Quadrat location	vege. type	species code	% cover code	mean height (ft)	max height (ft)	Quadrat location	vege. type	species code	% cover code	mean height (ft)	max height (ft)
SOUTH	grass					WEST	grass				
	forb						forb				
	shrub						shrub				
	tree/regen						tree/regen				
litter					litter						
bare/other					bare/other						

% cover class code	
0	<1%
1	1-5%
2	6-25%
3	26-50%
4	51-75%
5	76-95%
6	>95%

Part 4: Take Measurements twenty feet from plot center in the four cardinal directions with the densiometer

Plot 1	Densiometer
North	
East	
South	
West	

Plot 2	Densiometer
North	
East	
South	
West	