ASTRO 125 Assignment #1 Fall 2012 54 points Name: _____

This is an exercise in pointing small telescopes at interesting deep sky objects, to be completed over the whole observing season. For this exercise you may use any of the scopes with at least a 10" aperture (except the 14" in the dome).

Each time you point a scope at one of these 21 objects you will earn one point. Only one point per object per night may be earned. A maximum of three points per object may be earned over the whole semester, for a total of 63 points. (Extra points allow for the three more elusive objects on the list.)

Forms are available in the shed for recording your observations each night. An observing assistant will OK each pointing and collect your forms before you leave. Use this page to keep track of your progress by recording the date of each successful pointing. I will also keep a record of your point total on this assignment as the semester progresses and will keep you advised of your standing in the class.

			(Record of Pointing Dates)		
OBJECT	**CONST.**	**TYPE**	**1st**	**2nd**	**3rd**
M8	**SGR**	**DN**	_____	_____	_____
M22	**SGR**	**GC**	_____	_____	_____
M13	**HER**	**GC**	_____	_____	_____
M11	**SCT**	**OC**	_____	_____	_____
M57	**LYR**	**PN**	_____	_____	_____
M71	**SGE**	**GC**	_____	_____	_____
M27	**VUL**	**PN**	_____	_____	_____
M30	**CAP**	**GC**	_____	_____	_____
M15	**PEG**	**GC**	_____	_____	_____
M2	**AQR**	**GC**	_____	_____	_____
M31	**AND**	**Sp**	_____	_____	_____
M33 *	**TRI**	**Sp**	_____	_____	_____
NGC 253 *	**SCL**	**Sp**	_____	_____	_____
M52	**CAS**	**OC**	_____	_____	_____
h & χ	**PER**	**OC**	_____	_____	_____
M34	**PER**	**OC**	_____	_____	_____
NGC 1502	**CAM**	**OC**	_____	_____	_____
M37	**AUR**	**OC**	_____	_____	_____
M35	**GEM**	**OC**	_____	_____	_____
M1 *	**TAU**	**SNR**	_____	_____	_____
M42	**ORI**	**DN**	_____	_____	_____

* Very low surface brightness – best seen during dark moon.

DN = Diffuse Nebula OC = Open Cluster Sp = Spiral Galaxy
PN = Planetary Nebula GC = Globular Cluster SNR = Supernova Remnant