Raw Lab and Prelab Grades as of 04-28-2014 8:30 PM Make-Up Grade is Substituted for Missed Grade in Green

Code	L-0	L-1	L-2	L-3	L-4	L-5	L-6	L-7	L-8	L-9	L-10	L-11	MU	PL-1	PL-2	PL-3	PL-4	PL-5	PL-6	PL-7	PL-8	PL-9	PL-10	PL-11	MU	FE
	Error Analysis	Electric Force & Electric Charge	Electric Fields & Electric Potential	Ohm's Law	Direct Current Circuits	Kirchoff's Laws	Time-Varying Circuits	Magnetic Dipole Moment	Electromagnetic Induction	Spectrometer I – Index of Refraction	Spectrometer II – Diffraction Grating	Properties of Lenses	Make-Up	Electric Force & Electric Charge	Electric Fields & Electric Potential	Ohm's Law	Direct Current Circuits	Kirchoff's Laws	Time-Varying Circuits	Magnetic Dipole Moment	Electromagnetic Induction	Spectrometer I – Index of Refraction	Spectrometer II – Diffraction Grating	Properties of Lenses	Make-Up	
0001	4.9	3.7	5.0	4.6	4.3	0.0	4.4	4.1	0.0	0.0	4.4	0.0		9	5	7	10	0	9	6	0	0	9	0		
0005	4.6	4.9	5.0	4.9	4.9	5.0	5.0	4.8	4.5	5.0	4.8	4.9		8	10	10	10	10	10	4	10	10	10	9	10	
0036	6.0	4.6	4.6	5.3	5.0	5.6	4.9	3.8	4.7	4.7	4.8	0.0		10	10	10	10	10	10	9	10	10	10	0		
0045	6.0	4.7	4.7	5.7	0.0	4.9	4.3	5.0	4.4	4.8	0.0	5.0		10	10	10	0	10	10	9	10	10	0	9	8	
0117	6.0	4.7	5.0	4.2	5.0	4.8	4.8	4.7	4.8	5.0	4.8	4.7		10	10	10	10	10	10	0	10	10	10	0	10	
0129	5.0	4.7	4.8	4.7	4.6	4.7	5.0	4.5	4.7	4.8	4.8	0.0		10	10	10	10	10	10	8	10	10	10	0		
0212	5.3	4.7	4.7	5.5	4.9	4.7	3.9	0.0	3.4	5.0	4.9	4.5		10	9	9	10	10	10	0	10	10	10	9	9.0	
0225	6.0	4.8	4.7	4.9	4.8	4.4	4.5	5.0	4.8	4.9	4.9	0.0		10	10	10	0	10	10	8	10	10	10	0		
0310	5.9	4.9	4.7	5.8	0.0	4.8	5.0	4.9	4.6	4.8	5.0	4.7		9	10	10	0	9	10	9	10	0	10	7		
0325	6.0	3.4	4.0	5.3	4.8	4.8	5.0	4.8	4.6	5.0	4.8	0.0		10	8	9	10	9	10	8	10	10	10	9		
0402	4.9	2.4	4.3	4.2	4.9	4.4	4.8	4.3	4.1	4.7	0.0	4.7		0	9	0	8	9	10	8	10	10	10	9		
0428	6.0	4.2	0.0	5.6	4.8	5.0	4.7	0.0	4.3	4.8	4.9	5.0		10	0	0	10	10	10	0	0	0	10	0	8	
0511	6.0	4.9	4.7	0.0	4.8	4.9	4.6	4.5	4.5	4.4	5.0	4.8		10	9	0	10	9	0	8	10	10	9	6		
0615	6.0	4.5	4.3	5.3	4.9	5.6	4.9	4.2	4.8	4.8	4.6	4.0		10	10	10	10	10	10	9	10	10	10	7		
0624	6.0	4.6	4.7	5.5	4.9	4.6	4.8	4.7	5.0	4.7	5.0	5.0		10	10	10	10	10	10	10	10	10	10	10		
0626	6.0	4.9	4.8	6.0	4.7	4.9	4.9	5.0	0.0	4.8	4.9	5.0		10	10	10	10	10	10	10	0	4	10	8		
0716	6.0	5.0	5.0	4.7	5.0	5.0	5.0	4.7	5.0	5.0	5.0	0.0		10	10	9	10	9	10	8	10	10	4	0		
0724	5.8	4.5	4.7	3.9	4.8	4.9	4.8	4.6	4.8	4.8	4.8	4.7		10	10	6	10	10	10	7	8	10	10	7		
0810	6.0	4.6	4.7	5.7	4.7	4.9	5.0	4.9	4.9	4.8	4.7	0.0		10	10	9	10	10	10	10	10	10	9	8		
0922	5.6	5.0	0.0	4.7	4.7	0.0	4.4	4.7	5.0	4.5	0.0	5.0		9	5	10	0	0	5	9	9	10	10	9		
1014	6.0	4.9	4.8	0.0	4.8	5.0	4.9	5.0	4.4	4.8	5.0	5.0		10	10	10	10	10	10	10	8	10	10	8		
1050	4.6	4.7	4.7	5.6	4.7	5.0	4.3	4.5	4.3	4.9	5.0	4.9		10	10	8	10	10	10	8	10	10	10	9		
1111	6.0	4.7	4.8	5.9	4.1	4.4	4.2	0.0	3.5	4.9	5.0	5.0		10	9	9	10	9	10	0	10	10	10	8		
1116	5.8	4.8	4.7	5.6	5.0	5.9	4.7	4.8	4.9	5.0	5.0	4.8		10	10	10	10	10	10	10	10	10	10	8		
1123	6.0	4.9	5.0	5.6	0.0	0.0	4.7	5.0	4.3	0.0	4.8	5.0		10	8	8	0	0	10	9	10	0	10	9	9	
1161	5.8	4.8	5.0	5.0	5.0	4.7	4.5	4.7	5.0	5.0	5.0	0.0		10	0	0	10	10	10	8	9	0	9	0		
1196	5.4	4.5	4.9	4.1	5.0	4.9	4.9	4.5	4.8	4.7	4.8	4.4		9	9	9	10	9	10	8	10	10	10	9		
1212	6.0	4.4	4.3	5.8	4.7	4.8	4.9	5.0	5.0	5.0	5.0	0.0		9	9	6	10	9	10	10	10	10	10	0		
1221	6.0	4.6	4.9	4.9	4.9	0.0	4.8	4.7	0.0	4.8	4.8	0.0		9	9	0	0	10	10	9	10	10	10	0		
1221	6.0	4.1	5.0	4.5	4.8	4.7	4.8	5.0	4.8	4.8	5.0	0.0		10	10	10	10	9	10	10	10	10	10	0		
1225	6.0	4.9	4.8	4.9	4.8	4.9	3.9	5.0	4.4	4.8	4.2	5.0		9	10	10	10	10	10	7	10	10	10	6		
1289	6.0	4.7	5.0	4.7	5.0	4.7	5.0	5.0	5.0	5.0	4.6	0.0		9	10	9	10	9	10	10	10	10	9	0		
1337	5.5	4.4	4.8	5.6	4.8	5.6	5.0	4.8	5.0	5.0	4.7	0.0		10	10	10	10	9	10	8	10	10	9	9		
1459	5.8	4.7	4.7	4.9	5.0	5.9	4.7	4.8	4.9	5.0	5.0	4.8		10	10	10	10	10	10	8	0	10	10	6		
1492	6.0	4.4	5.0	6.0	4.9	4.6	4.3	4.9	4.7	4.9	0.0	5.0		9	9	10	9	10	10	9	10	10	9	9		
1998	6.0	4.5	4.7	5.7	4.5	4.3	4.8	5.0	4.9	4.6	4.7	5.0		9	9	7	10	10	10	6	10	10	10	7		
2010	5.8	5.0	0.0	0.0	5.0	5.0	5.0	5.0	0.0	4.7	5.0	5.0		9	0	0	10	9	10	7	0	10	10	6	7	
2012	5.7	4.6	4.4	0.0	4.8	5.9	4.8	0.0	4.5	4.8	4.9	4.7		10	10	0	10	9	10	3	10	10	10	10	9.0	
2150	5.9	4.8	4.8	4.5	4.1	4.7	4.6	0.0	4.7	4.5	4.7	4.2		10	8	7	10	0	0	0	10	10	0	8		
2345	6.0	5.0	5.0	4.7	4.1	5.0	5.0	5.0	5.0	5.0	5.0	0.0		9	9	9	10	10	10	10	10	10	10	0		

2352	6.0	4.4	4.8	4.5	4.7	4.7	0.0	5.0	4.8	4.8	4.8	5.0	9	10	10	9	9	0	10	10	10	9	7	
2626	6.0	4.7	0.0	4.7	4.7	4.4	5.0	5.0	5.0	5.0	4.4	5.0	9	10	8	10	10	10	10	10	10	10	10	
2821	6.0	4.5	4.7	4.5	4.8	4.6	4.9	4.4	4.6	5.0	4.3	4.5	10	10	10	10	10	10	8	5	10	10	9	10
2924	5.7	4.8	4.8	4.5	5.0	4.9	5.0	4.9	4.8	4.8	5.0	4.5	10	10	10	10	10	10	0	10	10	0	5	
3135	5.6	5.0	5.0	4.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	0.0	10	10	10	9	10	10	8	10	10	10	8	
3333	6.0	4.7	4.7	0.0	4.4	4.9	4.9	4.9	4.4	4.8	4.8	5.0	10	10	0	10	10	10	8	8	10	10	9	
3362	5.8	4.7	4.9	0.0	4.7	4.9	4.6	4.5	4.6	4.4	5.0	4.6	10	9	0	10	9	10	9	10	10	9	8	
3364	5.6	4.3	5.0	5.1	4.3	4.9	4.9	4.6	4.4	4.7	4.9	4.5	10	10	10	10	10	10	10	10	10	10	9	
3402	0.0	4.8	4.8	4.5	4.4	4.7	4.6	0.0	4.7	4.5	4.7	4.2	10	8	9	10	0	0	0	10	10	0	8	
3524	6.0	4.8	4.8	4.9	4.8	4.5	4.9	4.9	4.5	0.0	4.2	0.0	10	10	10	10	10	10	7	9	10	10	9	
3623	5.9	4.5	4.9	4.0	5.0	4.9	4.9	4.5	4.5	4.7	4.8	4.3	9	8	9	10	9	10	9	9	10	10	8	
3637	5.4	5.0	5.0	4.4	5.0	5.0	5.0	5.0	5.0	4.6	5.0	0.0	10	9	9	10	9	10	9	10	10	10	8	
3735	5.9	4.9	4.7	4.4	4.9	4.6	4.9	4.0	4.7	5.0	4.3	4.6	10	10	9	10	10	10	9	10	0	10	10	
3865	5.9	4.5	4.7	5.0	4.8	6.0	5.0	4.8	4.9	4.9	5.0	0.0	10	10	4	10	10	10	8	10	10	10	0	10
4194	6.0	5.0	5.0	6.0	4.8	4.3	4.8	5.0	5.0	4.8	4.5	0.0	10	10	10	10	9	10	10	9	10	10	0	10
4266	6.0	4.8	4.8	5.7	4.1	4.7	4.2	0.0	3.5	4.9	5.0	0.0	10	9	9	10	9	10	0	10	10	10	0	
4401	6.0	4.0	4.8	5.8	0.0	4.3	4.9	5.0	4.9	4.6	4.6	0.0	10	10	6	0	9	10	8	9	10	10	8	
4444	6.0	4.5	5.0	6.0	4.8	6.0	5.0	4.8	5.0	4.9	4.8	0.0	10	10	10	10	10	10	10	10	10	10	10	
4444	6.0	4.7	5.0	6.0	4.9	4.6	0.0	5.0	4.7	4.9	4.7	5.0	10	10	10	10	10	0	10	10	10	10	10	
4593	5.6	3.9	4.8	4.4	4.6	0.0	4.7	4.0	4.5	4.9	4.2	4.5	7	9	10	10	0	10	3	10	10	10	8	
4604	5.8	4.3	4.5	4.2	4.8	4.3	4.8	4.5	4.2	4.8	4.8	4.7	0	9	0	8	9	10	8	10	10	10	9	
4611	4.9	4.4	4.9	4.8	4.7	4.7	4.8	4.9	4.9	4.9	4.4	0.0	10	10	9	10	10	10	8	10	10	9	0	
4636	6.0	4.6	4.6	5.5	0.0	4.9	4.6	4.9	4.6	4.8	4.5	4.4	9	9	9	3	10	10	9	10	10	10	7	
4650	6.0	4.8	5.0	4.7	4.7	5.0	5.0	5.0	5.0	5.0	5.0	0.0	10	10	10	10	9	10	8	10	10	10	8	
5229	5.8	4.4	4.8	5.1	4.8	0.0	4.6	4.6	4.8	4.8	4.8	4.8	10	10	10	10	0	10	8	10	10	10	8	
5273	5.7	4.5	0.0	4.7	5.0	5.0	5.0	0.0	5.0	4.7	5.0	0.0	0	0	0	10	10	10	0	9	10	8	0	
6446	6.0	4.9	4.7	5.8	4.6	4.7	4.8	4.4	4.9	0.0	4.9	5.0	10	8	10	10	9	10	8	9	0	10	10	10
6604	6.0	4.9	4.8	4.9	4.8	4.8	2.8	4.9	4.5	0.0	4.2	0.0	0	7	9	10	0	0	7	10	0	10	0	
6645	5.6	5.0	5.0	4.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	0.0	10	10	10	10	10	10	10	10	10	10	10	
6807	5.7	4.9	4.6	4.2	4.6	4.5	4.8	3.9	4.1	4.8	4.1	4.2	0	9	8	8	10	10	6	10	0	9	9	7
6809	6.0	4.8	4.7	5.6	4.8	5.9	5.0	5.0	4.9	4.9	4.9	0.0	10	10	10	10	10	10	7	10	10	10	10	
6933	6.0	4.9	4.7	5.6	5.0	4.8	4.8	4.7	4.5	5.0	5.0	4.7	10	9	9	10	10	10	7	10	10	10	0	10
7085	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	0.0	10	10	10	10	10	10	9	9	10	10	8	
7656	5.8	4.4	4.8	5.2	4.6	4.8	4.6	4.6	4.6	4.4	0.0	4.6	8	10	10	10	9	10	10	10	9	0	6	
7799	6.0	4.8	4.7	5.5	5.0	5.6	4.9	4.2	4.7	4.7	4.6	4.6	10	10	10	10	10	10	9	9	10	9	9	
7874	6.0	4.8	4.6	5.4	0.0	4.5	4.3	4.9	4.8	4.5	4.9	5.0	10	10	10	10	10	10	10	10	10	10	9	
8118	6.0	4.8	5.0	5.0	4.7	5.0	5.0	5.0	5.0	5.0	5.0	0.0	10	10	10	10	10	10	9	10	10	10	7	
8826	6.0	4.6	4.7	5.3	4.8	4.8	5.0	4.9	4.6	5.0	4.8	0.0	10	10	10	10	9	10	8	10	10	10	0	
8888	5.7	0.0	4.9	3.7	4.5	4.6	4.9	0.0	5.0	4.7	4.4	3.7	10	6	7	10	9	10	0	10	10	10	8	
9297	6.0	4.8	5.0	4.7	4.7	4.5	5.0	4.7	5.0	5.0	0.0	0.0	10	10	5	10	9	10	10	10	10	10	10	
9862	6.0	4.5	5.0	6.0	4.7	0.0	4.3	5.0	5.0	4.9	4.8	5.0	10	9	10	9	9	10	9	10	10	10	9	
a	5.9	4.8	4.9	5.7	0.0	4.7	5.0	4.6	4.7	4.7	5.0	4.6	9	10	10	0	9	10	9	10	10	9	9	
a	0.0	2.1	5.0	3.6	4.7	4.9	4.8	4.3	4.4	0.0	4.7	3.7	0	9	8	9	10	10	9	0	0	10	7	7
a	6.0	4.0	5.0	5.2	5.0	0.0	4.9	4.6	4.8	4.7	4.2	4.5	9	10	10	10	10	10	9	10	10	10	9	
a	6.0	0.0	4.7	5.7	4.9	4.1	4.3	0.0	4.4	4.9	5.0	4.8	10	9	9	10	10	10	0	10	10	10	9	
a	5.8	4.7	5.0	4.4	4.6	4.8	5.0	4.7	4.7	0.0	4.7	4.7	7	10	0	10	9	10	10	10	0	10	7	
a	4.3	4.5	4.2	5.2	4.3	4.6	4.7	0.0	4.4	4.8	4.7	4.6	10	10	10	9	10	9	0	10	10	10	7	
a	4.3	4.5	4.6	5.6	4.5	4.5	4.7	4.7	4.7	5.0	4.7	4.6	10	10	10	10	10	10	9	8	10	9	6	9.0
a	0.0	1.3	4.6	5.4	4.8	4.9	4.6	4.8	4.6	0.0	0.0	0.0	0	0	0	10	0	9	9	10	0	0	0	
a	5.6	3.4	4.0	5.3	4.7	4.8	4.8	4.9	3.9	5.0	5.0	0.0	10	9	10	9	10	10	8	10	10	10	0	
a	0.0	4.2	4.2	4.5	4.5	4.6	3.8	4.3	4.3	4.7	4.8	4.1	10	8	9	10	9	0	5	10	10	9	7	8.0

a	5.8	4.8	5.0	4.3	4.8	4.9	5.0	4.8	4.8	4.7	4.7	0.0	8	10	10	10	9	10	8	10	10	10	0	
a	5.6	4.9	4.8	4.7	4.6	4.6	4.9	4.5	5.0	4.8	4.8	0.0	10	9	10	10	10	10	8	10	10	10	0	
a	4.8	5.0	5.0	4.7	5.0	5.0	5.0	0.0	5.0	5.0	5.0	5.0	10	10	8	10	4	10	4	10	10	10	6	
a	6.0	5.0	5.0	0.0	5.0	5.0	5.0	5.0	5.0	4.6	5.0	4.8	10	10	0	7	10	10	6	10	10	9	0	10
a	5.8	5.0	5.0	4.7	0.0	4.7	5.0	5.0	5.0	4.7	5.0	5.0	9	0	8	0	10	10	6	9	10	9	8	
a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	10	0	0	0	0	0	0	0	0	0	
a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	
a	5.6	4.5	5.0	4.4	4.7	0.0	4.5	5.0	5.0	0.0	0.0	0.0	0	0	0	10	0	0	0	0	0	0	0	
a	5.6	5.0	5.0	5.0	5.0	4.7	4.5	4.4	5.0	4.7	5.0	0.0	9	10	10	10	10	10	9	0	10	10	0	
a	5.8	4.8	5.0	4.4	4.7	4.5	5.0	4.7	5.0	5.0	0.0	5.0	9	8	7	10	10	10	10	9	10	0	8	
a	5.4	0.0	5.0	4.4	5.0	5.0	5.0	5.0	5.0	4.6	5.0	4.7	0	10	9	10	10	10	9	10	10	10	8	
a	6.0	4.8	5.0	4.4	4.7	4.5	5.0	4.7	5.0	5.0	4.4	0.0	9	9	9	9	9	10	10	10	10	10	0	
a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	
a	6.0	4.3	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	
a	6.0	4.8	5.0	6.0	4.9	4.6	4.3	5.0	4.7	4.9	4.7	5.0	10	10	10	9	10	10	10	10	10	10	10	
a	6.0	4.8	4.8	4.9	4.8	0.0	0.0	5.0	4.9	4.9	4.9	5.0	10	10	10	10	0	0	9	10	10	10	10	10