CE 331 -- Civil Engineering Materials II

Fiber Reinforced Composites

		Criteria			NOTES
	Component	**Marginal (4)**	**Acceptable (8)**	**Exceptional (12.5)**	
1	**Executive Summary**				The Executive Summary section should be a series of paragaphs that flow together to give the reader (your TA) a good summary of the necessary information. If you present an equation, make sure to define each term in the equation
	1. Describes the goals/objectives of the experiment	Identifies one goal of the lab	Identifies most of the goals	Clearly identifies the goals of the laboratory	
	2. Provide an overview methodology	Describes one of the items	Describes two of the items, but not clearly	Concisely and accurately describes the analysis and testing procedures	
	3. Identify the results and conclusions of the experiment	Identify one major items	Identify two major items	Identify all major findings	
2	**Tables and Figures**				Table captions=above table Figure captions=below figure Be consistent with units: metric (mm,N,kPa/MPa/GPa) or English (in,lbs,psi/ksi)
	Table 1: Summary Provide a table with applied load, measured deflection, and computed E (see ex on slide 10)	Table is not clear	Values are correct, but table is badly organized.	Values in the table are correct, clearly organized	
	Figure 1: Plot of P vs Δ	Missing 3 of these items. The units of deflection or load are incorrect	Missing two of these items	Load in Newtons / Lbs, Properly captions, linear fit for each specimen, 5 specimens on the same figure	
	Figure 2: Plot of E vs cut angle	Shape/values are incorrect	Shape is correct, but numbers are not.	Correct values, shape is correct. You can use a line to connect data points, but do not fit a line or curve.	
3	**Format and Organization**	Not organized clearly.	Well-structured, but writing tends to ramble.	Good organization; Succinct write-up. Free of grammatical errors and use of proper spelling. Proper significant figures	
4	**Appendix** Raw Data Example hand calculation with dimension analaysis	Only one item	Both items, calculations errors or no dimensional analysis	Includes both items, calculations are free of errors, include a dimensional analysis	Raw data can be typed or nicely recorded from experiment Dimensional analysis can be example hand calculation with units