

TFES Lab (ME EN 4650)  
Blackbody Radiation: Grade Sheet\*

**Student Name:**

**Lab Section:**

	Possible	Score
<b>Plots &amp; Tables:</b>		
1a. $q_{\text{theory}}$ versus $q_{\text{data}}$	7	
1b. $q_{\text{data}}$ versus $1/h^2$ with curve fit line	7	
1c. $q_{\text{data}}$ versus $T^4$ with curve fit line	7	
1d. $q_{\text{data}}$ versus $D^2$ with curve fit line	7	
Figure/Table Captions: 2 pts per caption	8	

<b>Short-Answer Questions: none</b>		
2a. Quantify agreement in $q$ between measurements and theory	2	
2b. Assess whether theory adequately supports the measurements	2	
2c. How to determine emissivity of "gray body"	2	
<b>Matlab Code:</b>	8	

**Total: 50**

\* see the posted Handout for details regarding the specific requirements for each part