

Table 1: ECE 230L Laboratory 6 Grading Rubric

Criteria	Points Possible
<b>Circuit Schematic used to simulate MOSFET</b>	<b>10</b>
<b>Verification of ZETEK BS170 Plots</b>	<b>8</b>
<b>Extracted BS170 parameter simulation</b>	<b>15</b>
Plot of $I_{DS}$ vs $V_{DS}(V_{GS})$	15
<b>Class average BS170 parameter simulation</b>	<b>20</b>
Average Calculation	5
Plot of $I_{DS}$ vs $V_{DS}(V_{GS})$	15
<b>Manufacturer specified BS170 parameter simulation</b>	<b>15</b>
Plot of $I_{DS}$ vs $V_{DS}(V_{GS})$	15
<b>Compare values of <math>V_{TH}</math>, <math>K_p</math>, and <math>\lambda</math> for all three simulations</b>	<b>15</b>
<b>Comment on the effects of <math>V_{TH}</math>, <math>K_p</math>, and <math>\lambda</math> on the graphs</b>	<b>10</b>
<b>Extension</b>	<b>7</b>
<b>Total</b>	<b>100</b>