

Lab 7 Grading Rubric

Total Points: 54 points

- **Function: input_int** **14 points**
 - Function header written correctly 3 points
 - Correctly-named
 - Takes a string
 - Prompts user for input with provided-string 2 points
 - Uses exception handling to check whether input is int 5 points
 - If input not an int, repeats until it is an int 3 points
 - also displays error message
 - Int returned from function 2 points
- **Function: input_float_positive** **9 points**
 - Function header written correctly 3 points
 - Correctly-named
 - Takes a string
 - Prompts user for input with provided-string 2 points
 - Uses input_float function
 - If user's input is not positive, repeats until it is positive 3 points
 - also displays error message
 - Positive float returned from function 2 points
- **Function: Calorie Calculator** **13 points**
 - Function header written correctly 5 points
 - Correctly-named
 - Has two parameters
 - Arguments validated and appropriate exceptions thrown if invalid 5 points
 - Correct energy density value used 1 point
 - Calories calculated correctly 1 point
 - Calories returned from function 1 point
- **Module** **3 points**
 - input_valid module named correctly 1 point
 - Module contains the functions: 2 points
 - input_float
 - input_int
 - input_float_positive
- **Calorie Calculator Program** **8 points**
 - Uses input_valid module 2 points
 - Calls correct functions when appropriate 3 points
 - Program works as described 3 points

- **Documentation and Readability**

7 points

- Variable names are short but descriptive
- Functions properly documented

1 point

6 points