

## Rubric for MANE 4280/6710 Project #1

Criterion	Excellent 4	Good 3	Fair 2	Unacceptable 1	Weight
<b>Methods</b>	Methods are implemented correctly and efficiently; design parameterization is effective; analysis accuracy is verified	Many methods are coded well with only a few errors; parameterization has minor limitations; analysis accuracy may be compromised	Methods have substantial errors and use brute force; parameterization has short-comings; analysis accuracy is questionable	Numerical methods are not coded correctly and/or incorrect methods are used; design parameterization is not appropriate; analysis is invalid	× 3
<b>Matlab Code</b>	Code is easy to read; comments are clear and helpful; inline and subroutine-header documentation is used; code is modular	Code is fairly easy to read; comments are included and often helpful; header documentation is used	Reading code is difficult and few comments are used; limited use of modularity	No comments are used and code is very difficult to understand.	× 1
<b>Results</b>	Results are correct; methods behave as expected; relative performance between methods is correct; optimal heat flux is 4x greater than the nominal flux	Minor errors, but most of the results are correct; some methods behave in unexpected ways; optimal heat flux is 1.5x greater than the nominal flux	Results have several errors; the methods do not generally perform as expected; optimal heat flux is 5% greater than the nominal flux	Results are not correct; none of the methods behave as expected; limited improvement over nominal heat flux	× 2
<b>Report</b>	Report is very well written; flow is logical; results are easy to find; text has no spelling mistakes and few grammatical errors	Report quality is good; results are generally displayed well; text has few spelling mistakes and the number of grammatical errors is limited	Report is acceptable; results are included but difficult to find; text has several spelling and grammatical errors; some pen and pencil mark-up is used	Report is poorly written; some results are missing; text has many spelling and grammatical errors; report is not typed	× 2
					Mark /32
<b>Delievery</b>	Report and code handed-in on or before due date	Report and code were handed in less than two days late	Report and code were delivered within a week, but more than two days of due date	Report and code were not handed in within a week of due date	
<b>Penalty</b>	0%	10%	25%	100%	

**Assignment Grade** /32