MgS 4120 Project	
	P R I N T your name, last name first, one letter per box

Project 2:

Part 1: Correct any errors in part a of the Virulence project at the end of Whalen & Churchill. Answer each question, a through e. with five separate complete, clearly labeled paragraphs, one for each question. Justify your answer numerically using only the printout for the original situation; your justification must not rely on rerunning the model. (You may rerun the model as a check, but do not include the printout or any references to it in your report!)
Part 2: Attach one 3 page printout consisting of the main page, the answer report, and the sensitivity report. Each of these three must be well laid out on a single page with appropriate choice of font size and landscape or portrait alignment. All three pages must have grid lines and row/column headings.
Part 3: Write a second draft of the executive summary addressed to the President. The summary must be correct (mathematically AND grammatically), cogent, and simple. It must be based on all you've learned in questions a through e, but it should not be organized that way; the focus should be strongly on what is most important. The second draft should be no more than three pages double spaced.
Part 4: Staple your work with a single staple in the upper left corner as follows: this two-page cover sheet, the executive summary, the five separate single-paragraph answers to questions a through e, and the three Excel printout pages.
Turn in your work ON PAPER or fax it to 1-626-605-2586. Email submissions will not be accepted. except pdf.

Grading Rubric

Part 1a	Developed	Developing	Emerging
1	One clear well organized paragraph for question a	Poorly organized or unclear	Not a paragraph
2	Correct spelling, grammar, punctuation	One or two errors	Multiple errors
3	Correct answer and numeric justification	Minor copying error	Major error or missing numeric justification
4	No extraneous data	Some extraneous data but focus on the question is clear	Extraneous data creates lack of focus

Part 1b	Developed	Developing	Emerging
1	One clear well organized paragraph for question b	Poorly organized or unclear	Not a paragraph
2	Correct spelling, grammar, punctuation	One or two errors	Multiple errors
3	Correct answer and numeric justification	Minor copying error	Major error
4	No extraneous data	Some extraneous data but focus on the question is clear	Extraneous data creates lack of focus

Part 1c	Developed	Developing	Emerging
1	One clear well organized paragraph for question c	Poorly organized or unclear	Not a paragraph
2	Correct spelling, grammar, punctuation	One or two errors	Multiple errors
3	Correct answer and numeric justification	Minor copying error	Major error
4	No extraneous data	Some extraneous data but focus on the question is clear	Extraneous data creates lack of focus

Part 1d	Developed	Developing	Emerging
1	One clear well organized paragraph for question d	Poorly organized or unclear	Not a paragraph
2	Correct spelling, grammar, punctuation	One or two errors	Multiple errors
3	Correct answer and numeric justification	Minor copying error	Major error
4	No extraneous data	Some extraneous data but focus on the question is clear	Extraneous data creates lack of focus

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Part 1e	Developed	Developing	Emerging
1	One clear well organized paragraph for question e	Poorly organized or unclear	Not a paragraph
2	Correct spelling, grammar, punctuation	One or two errors	Multiple errors
3	Correct answer and numeric justification	Minor copying error	Major error
4	No extraneous data	Some extraneous data but focus on the question is clear	Extraneous data creates lack of focus

Part 2	Developed	Developing	Emerging
1	Spreadsheet complete and correct	Incorrect numbers	Parts missing
2	Good page layout	Poor column width, orientation, labeling, etc	Pages broken across 2 sheets of paper
3	EASILY readable font size: at least 10 point	Requires extra magnification	Unreadable
4	Grid Lines generated by page setup	Grid lines put in by other means	No Grid Lines
5	Row/Column Headers generated by page setup	Row/Column headers put in by other means	No Row/Column Headers

Part 3	Developed	Developing	Emerging
1	Very well organized	Minor flaws in organization	Major flaws in organization
2	Correct spelling, grammar, punctuation	One or two errors	Multiple errors
3	Clear correct cogent restatement of the goal without numbers or jargon	Jargon or extraneous detail	Incorrect or seriously unclear
4	Clear correct cogent restatement of all the constraints without numbers or jargon	Jargon or extraneous detail	Incorrect or seriously unclear
5	Clear correct cogent statement of the <u>optimal value</u> of the <u>objective function</u>, appropriately rounded, without use of any of the underlined words	Unclear, or uses prohibited words	Incorrect
6	Clear correct cogent summary of the sensitivity analyses using the concepts and the numbers but not the jargon of the s<u>hadow price</u>, <u>allowable</u> increase, and <u>allowable</u> decrease, emphasizing the binding constraints	Unclear, or uses prohibited words	Incorrect or missing discussion Incorrect or missing use of numbers from the sensitivity analysis

"First things first, but not necessarily in that order" - Dr. Who