

EOSC 433: OPEN ENDED DESIGN PROBLEM 2 – SET BACK DISTANCE

Grading Rubric

Name:

	EXCELLENT (90 – 100%)	GOOD (89 – 72%)	SATISFACTORY (71 – 60%)	NEEDS IMPROVEMENT (≤59%)	PTS.
OVERALL CONTENT	Maximum 60%				
INTRODUCTION	Very clearly and concisely: ○ Identifies the problem AND ○ States the purpose of the report	Adequately: ○ Identifies the problem AND ○ States the purpose of the report	Vaguely: ○ Identifies the problem OR ○ States the purpose of the report	Inadequately: ○ Identifies the problem AND ○ States the purpose of the report	___/5
PROJECT DESCRIPTION	Clearly describes the project in detail, taking into account the: ○ Site geology AND ○ Other given parameters	Describes the project in detail, taking into account the: ○ Site geology OR ○ Other given parameters	Describes some details of the project (but misses key aspects) in: ○ Site geology OR ○ Other given parameters	Lacks to describe the project in detail	___/5
MODELING AND INPUT PARAMETERS	Clearly identifies all the information needed to run the model: ○ States and describes the software ○ Describes the model ○ States and briefly <i>justifies</i> the input parameters ○ Describes any other assumptions, including the water table, external load, and seismic coefficient values	Identifies the information needed to run the model: ○ States and describes the software ○ Describes the model ○ States and briefly <i>justifies some</i> input parameters ○ Describes some assumptions (water table, external load, and seismic coefficient values)	Identifies basic information needed to run the model: ○ States the software ○ Describes the model ○ <i>Only states</i> the input parameters ○ Describes one or two assumptions (water table, external load, and seismic coefficient values)	Lacks to identify basic information needed to run the model: ○ Does not state the software or describe the model used ○ States a few or no input parameters ○ Does not describe any other assumptions	___/15
LIMIT EQUILIBRIUM ANALYSIS	Effectively evaluates the static and pseudo-static case scenarios in the analysis and: ○ Specifies the methods used ○ States and <i>explains</i> of the limit equilibrium method(s) chosen ○ Assesses the FoS at different set-backs AND ○ Clearly explains determination of set-back distance ○ Effectively interprets the controlling slip surface	Adequately evaluates the static and pseudo-static case scenarios in the analysis and: ○ Unclear specification of the methods used ○ States the limit equilibrium method(s) chosen ○ Assessment of the FoS at different set-backs AND ○ Attempts to explain the determination of set-back distance ○ Adequately interprets the controlling slip surface	Evaluates the static and pseudo-static case scenarios in the analysis BUT one or two of the following is missing/not clear: ○ Specification of methods used ○ Statement of the limit equilibrium method(s) chosen ○ Assessment of the FoS at different set-backs AND ○ Lacks to explain the determination of set-back distance ○ Vaguely interprets the controlling slip surface	Evaluates the static OR pseudo-static case scenario in the analysis AND two or three of the following are missing: ○ Specification of methods used ○ Statement of the limit equilibrium method(s) chosen ○ Assessment of the FoS at different set-backs AND ○ Does not explain the determination of set-back distance ○ Does not interpret the controlling slip surface	___/25
RECOMMENDATION	Clearly gives a final recommendation based on the controlling slip surface AND ○ Acknowledges the limitations of the analysis ○ Recommends other factors to consider for future analysis	Gives a final recommendation based on the controlling slip surface BUT misses one of the following: ○ Acknowledges the limitations of the analysis ○ Recommends other factors to consider for future analysis	Only gives a final recommendation based on results	Does not give or clearly state a final recommendation based on the results	___/10

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TECHNICAL COMMUNICATION Maximum 25%						
ORGANIZATION	<ul style="list-style-type: none"> ○ Report is clearly organized in a logical manner ○ Report contains headings and subheadings, which contribute to clarity 	<ul style="list-style-type: none"> ○ Report is adequately organized in a logical manner ○ Report has headings and subheadings 	<ul style="list-style-type: none"> ○ Report is organized but contains some weak sections ○ Report has headings and subheadings 	<ul style="list-style-type: none"> ○ Report is poorly organized ○ Report might have headings and subheadings, but do not contribute to clarity 	___/5	
MECHANICS	<ul style="list-style-type: none"> ○ Well-written. Excellent grammar, spelling, and punctuation ○ All numerical values have the appropriate number of significant figures 	<ul style="list-style-type: none"> ○ Report is easy to read but may contain a few errors in grammar, spelling, and punctuation ○ Most numerical values have the appropriate number of significant figures 	<ul style="list-style-type: none"> ○ Report is somewhat difficult to follow due to errors in grammar, spelling, and punctuation ○ Some numerical values have the appropriate number of significant figures 	<ul style="list-style-type: none"> ○ Report is difficult to follow due to many errors in grammar, spelling, and punctuation ○ All numerical values do not have the appropriate number of significant figures 	___/5	
FIGURES AND TABLES	All figures/tables selected contribute to meaning of the report. Also: <ul style="list-style-type: none"> ○ All tables/figures are legible and well-placed on the page ○ All table/figure captions are descriptive ○ All tables/figures clearly link to the text 	Figures/tables selected generally contribute to meaning of the report, and misses one of the following: <ul style="list-style-type: none"> ○ All tables/figures are legible and well-placed on the page ○ All table/figure captions are descriptive ○ All tables/figures link to the text 	Figures/tables selected slightly contribute to meaning of the report, and misses two of the following: <ul style="list-style-type: none"> ○ All tables/figures are legible and well-placed on the page ○ All table/figure captions are descriptive ○ All tables/figures link to the text 	Figure/tables selected slightly contribute to meaning of the report and misses the following: <ul style="list-style-type: none"> ○ All tables/figures are legible and well-placed on the page ○ All table/figure captions are descriptive ○ All tables/figures link to the text 	___/10	
REFERENCES	<ul style="list-style-type: none"> ○ Report includes relevant references using appropriate format ○ All references are appropriately cited within the text 	<ul style="list-style-type: none"> ○ Report includes some relevant references appropriate format ○ Might use appropriate format AND/OR citation within the text 	Includes irrelevant references	Does not include references (0 points)	___/3	
REPORT PRESENTATION	Report contains a: <ul style="list-style-type: none"> ○ Title page AND <ul style="list-style-type: none"> ○ Page numbers 		Report contains a: <ul style="list-style-type: none"> ○ Title page OR <ul style="list-style-type: none"> ○ Page numbers 		Report lacks a (0 points): <ul style="list-style-type: none"> ○ Title page AND <ul style="list-style-type: none"> ○ Page numbers 	___/2
PEER-REVISION Rough-draft submission (5%) and providing good feedback to peer (5%)						
TA'S DISCRETION Maximum of 5% given for exemplary work and effort						
TOTAL					___/100	

Additional Comments: