

2017-2018
Lisnyk Student Ship Design Competition
Submarine Score Sheet

Technical Content	Maximum Points	Points Awarded
Concept selection/initial definition and sizing	8	
Table of principal characteristics	1	
Hull form development	2	
Lines drawing	2	
Weights, Volumetrics and Ship Balancing estimates	6	
Trim and intact stability analysis	2	
Submerged Equilibrium analysis	2	
Controllability analysis	1	
General Arrangements	7	
Machinery Arrangements	5	
Control/Operations Room/Weapons Spaces Arrangements	3	
Curves of Form	1	
Resistance and powering analysis	4	
Area/Volume summary	3	
Manning estimate	2	
Structural analysis	3	
Structural drawings	2	
Major H, M, & E systems and equipment characteristics and description	4	
Major Command & Control and Mission systems and equipment characteristics and description	4	
Propulsion plant trade-off study	5	
Electrical Load Analysis/electric plant sizing	2	
Endurance calculations	2	
Cost analysis	3	
Risk assessment	2	
Sub-total	76	

Documentation		
Organization	5	
Completeness	3	
Text and graphics (figures and tables)	5	
Sub-total	13	

Originality	6	
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Compliance with Owner's Requirements	5	
Grand Total	100	

Reviewer: _____

Date: _____