

RoboBoat 2019 Points Breakdown

Subjective Measures	
Category	Maximum Points
Utility of team website	50
Technical Merit (from technical design report)	50
Written Style (from technical design report)	50
Technical Accomplishment (static)	75
Craftsmanship (static)	75
Team Uniform (static)	10
Video presentation (video)	25
Discretionary points	40
Total	375

Performance Measures	
Weight and Thrust	Maximum Points
Weight (see Table 1 in Rules and Tasks document)	See Table 1
Thrust (see Table 1 in Rules and Tasks document)	See Table 1
Autonomous Navigation	
Autonomous Navigation	100
Speed Challenge	
Entered thru gates	50
Circle blue buoy	100
Exited thru gates	100
Speed gate points	0...250
Fastest Vehicle	250
Automated Docking	
Entered any bay	50
Entered bay with active pinger	400
Exited bay with active pinger	50
Perfect docking	250
Raise the Flag	
Launched UAV	200
Raised any flag	50
Raised the correct flag	250
Recovered UAV	250
Perfect Raise the Flag	750
Find the Path	
Entered obstacle field	100
Circled can buoy	200
Exited obstacle field	200
Buoys Points	200
Perfect Find The Path	400
Return to Dock	
Return to dock after x (number of) tasks	100*x
Bonus for completing all tasks and returning to dock	100
Time Bonus (only if all tasks are completed)	0....1200 (sec)