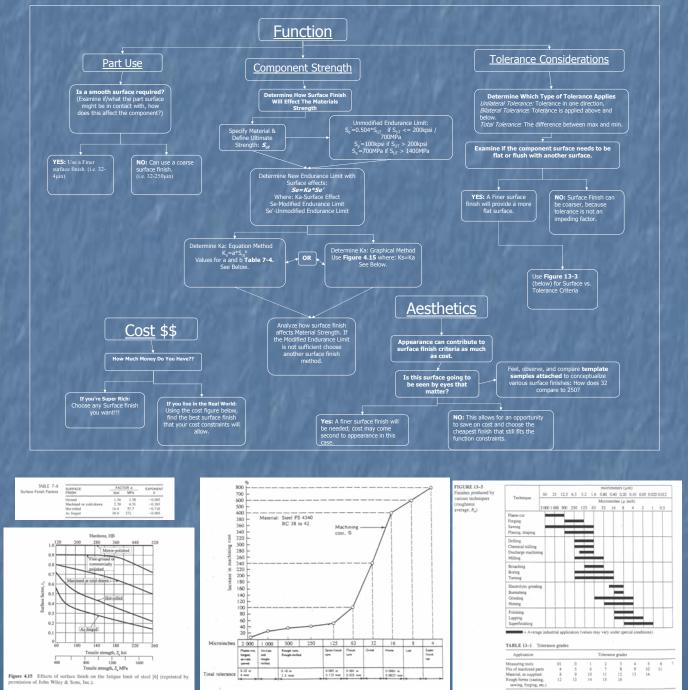
When determining a surface finish for a component one must use function, cost, and aesthetics for criteria. Out of these three components function has the greatest significance followed by both cost and appearance equally contributing. By evaluating the component one can weight the contribution of each and apply this logic to determine the finish for each surface.



The surface finish availability for the University of Idaho Machine Shop is 250 micro-inches to 4 micro-inches.



References:

Mischke, Charles R., Joseph Edward Shigley. Mechanical Engineering Design. McGraw Hill. p. 278, 283, 2002