Milestone 3 (Team) – Cover Page

Team Number: 26

Please list full names and MacID's of all *present* Team Members.

Full Name:	MacID:
Eloise Nguyen	Nguyt126
Sohail Persaud	persas29
Rory Sucharov-Gluck	sucharor
Hassan Bokhari	bokharh

Any student that is ***not*** present for Design Studio will not be given credit for completion of the worksheet and may be subject to a 10% deduction to their DP-2 grade.

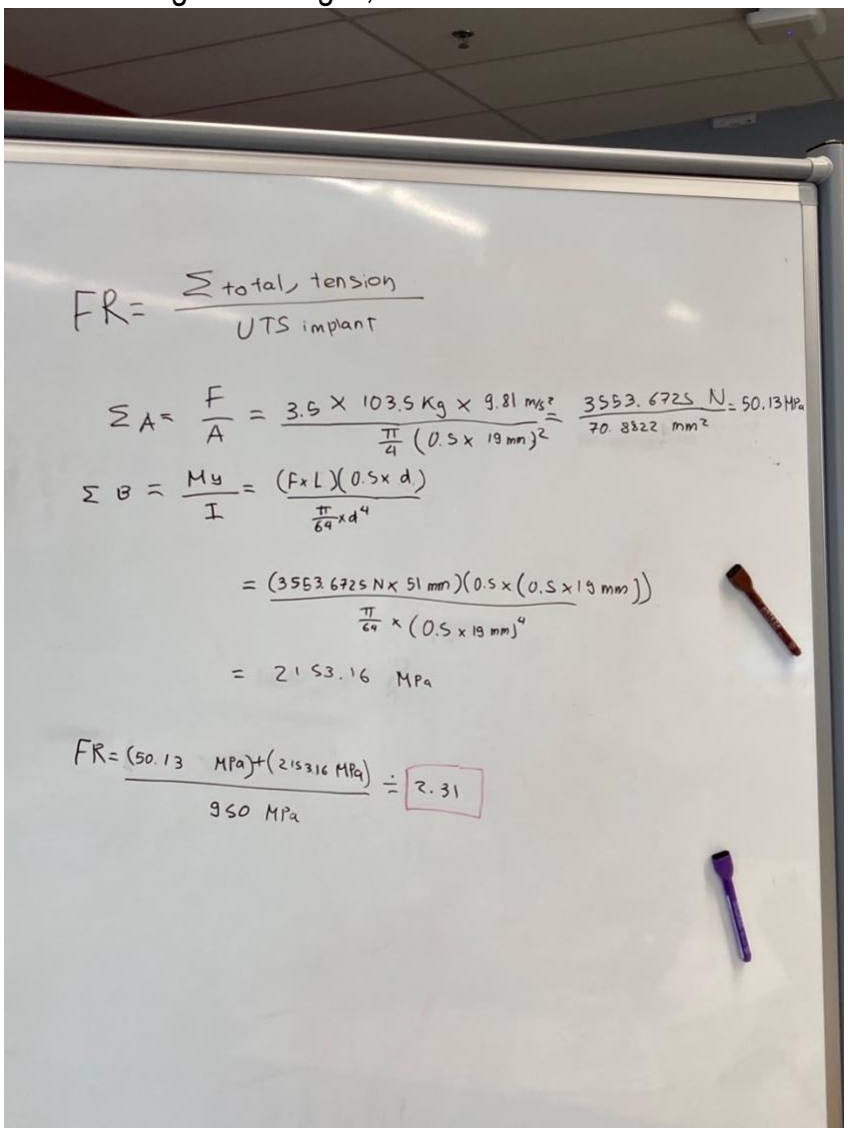
MILESTONE 3 (STAGE 2) – PRELIMINARY DESIGN ANALYSIS
FRACTURE RISK

Team Number: 26

Calculate the fracture risk of the implant stem assuming a combined loading scenario. Don't forget to:

→ Compare tensile stress on the lateral side of the implant to the ultimate tensile strength of your assigned material

→ Show all of your work neatly and in detail (do not skip steps), include the correct number of significant digits, and correct units

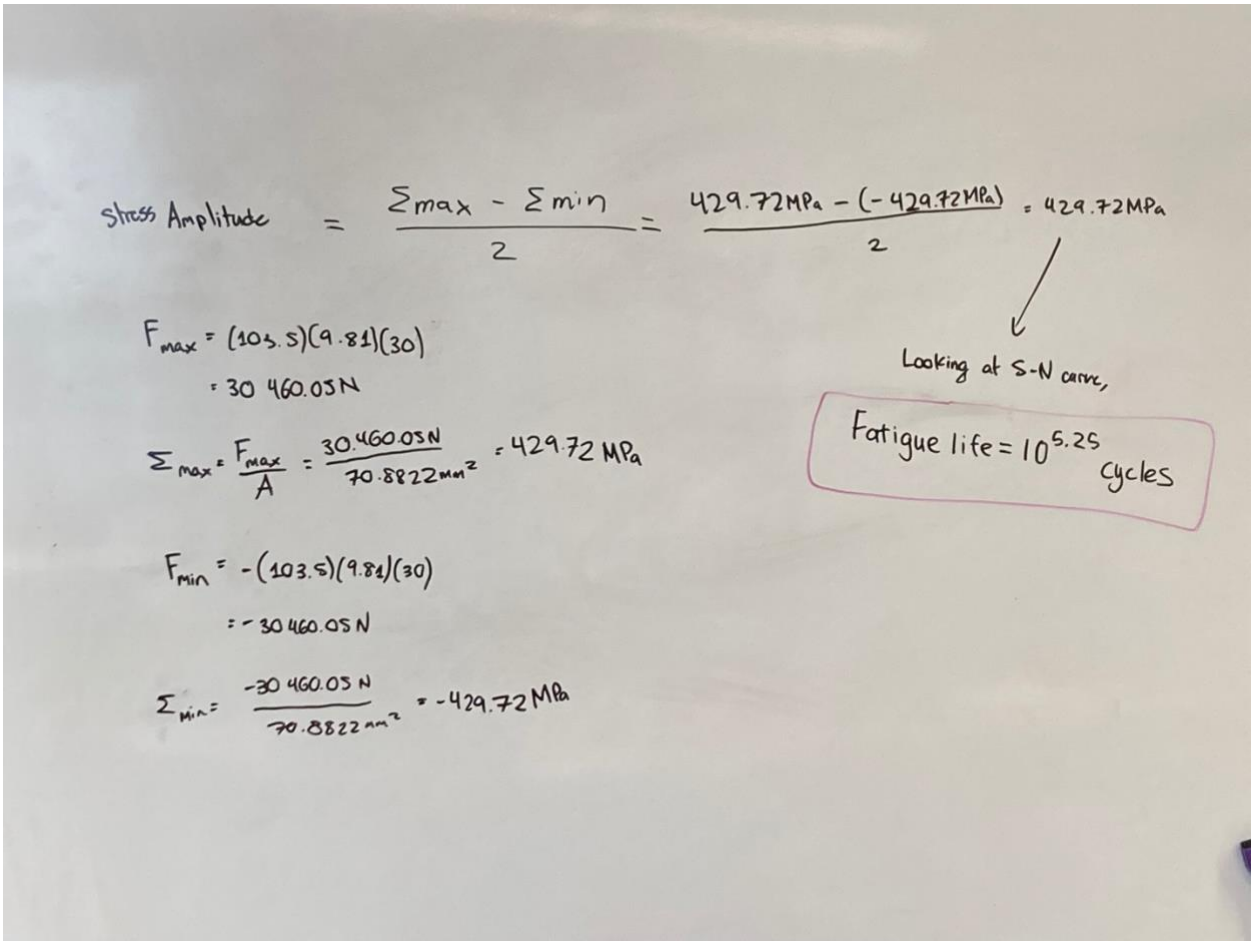


MILESTONE 3 (STAGE 2) – PRELIMINARY DESIGN ANALYSIS
FATIGUE LIFE

Team Number: 26

Calculate the fatigue life of your assigned material.

→ Show all of your work neatly and in detail (do not skip steps), include the correct number of significant digits, and correct units



MILESTONE 3 (STAGE 2) – PRELIMINARY DESIGN ANALYSIS

BONE STRESS REDUCTION

Team Number: 26

Calculate the magnitude of bone stress reduction after implant reconstruction. Don't forget:

→ Calculations should not consider a combined loading scenario, like in Part 1 of this Milestone

→ Show all of your work neatly and in detail (do not skip steps), include the correct number of significant digits, and correct units