

MEETING MINUTES

Topic: EGR 486C Team Meeting

Date: Wednesday, October 29, 2018

Time: 6:00 pm - 6:30 pm

Location: Engineering Building

Minutes recorded by Nestor Rodriguez

Meeting called by Dr. Trevas

Attendees: All group members

Table 1. Record of meeting.

6:00 pm to 6:05 pm	Item 1 <ul style="list-style-type: none">● Discuss issue of force application<ul style="list-style-type: none">○ Suggested we negotiate for more lenient size constraint○ Use of hydraulic pump (actuated by a motor), ram, and reservoir suggested○ Look into micro hydraulics (LaDuke)	EGR Building
6:05 pm to 6:10 pm	Item 2 <ul style="list-style-type: none">● Discuss issue of shaft strength<ul style="list-style-type: none">○ Strength requirements need to found iteratively with MATLAB○ For R12 torsion requirement is 10^3 Psi, and shear is 10^5 Psi○ For R14 shaft size is 0.875<ul style="list-style-type: none">■ Shear requirement is 10^6 Psi■ Torsion requirement is 10^4 Psi○ These values are not entirely accurate, Berek will revise and report new numbers	EGR Building
6:10 to 6:20	Item 3 <ul style="list-style-type: none">● Discuss use of strain gauges<ul style="list-style-type: none">○ Look into Rosette for orientation of strain gauges	EGR Building

Table 2. Tasks Assigned.

Task	Person Assigned	Due Date	Date Complete
Calculate forces acting upon frame, recommend material/design	Aj	11/9/18	11/8/18

Calculate forces acting upon shaft, recommend best material	Barek	11/9/18	11/8/18
Research strain gauges, find an acceptable kit	Jeff	11/9/18	11/8/18
Research belts and pulleys, recommend best combination	Nestor	11/9/18	11/8/18

Next formal meeting: 10/31/18, Engineering building, at 5:15pm.
Next member responsible for meeting minutes: Nestor