

Northern Arizona University  
Society of Automotive Engineering  
2017-2018 Baja Team

**Meeting Date:** October 29, 2017

**Start Time:** 7:10 pm

**Members Not Present:** Rhyan Brogmus, Sam Hunker, Dylan Cappello (late)

**Front Suspension**

Update: Lotus  
ADS Suspension

Future Tasks: CAD/Lotus Geometries

Questions:

**Rear Suspension**

Update: Rough TA design  
U-Joints from McMaster  
Hub Design?

Future Tasks: Brakes – Drivetrain communication  
Transaxle location – Drivetrain, frame, and rear end communication  
Hub housing design

Questions: Compression/droop ratio? -

**Frame**

Update: Seat work  
Carbon fiber/Kevlar  
Foam Template complete  
Material  
ANSYS on MEP Computers, 112, 108, Shop

Future Tasks: \$250 for material  
Material Lengths by FRI Oct 3

Questions:

### **Drivetrain**

Update: Gear Calcs  
45 degree ujoints

Future Tasks: Finish Gear Calcs  
Housing SolidWorks

Questions: Splines?? – Keys????? - Rhyan  
Rough Mockup of transaxle to Frame/Rear end – Rhyan  
Engine Adjustability – Shims  
Brakes?? Who will take the lead? - Rhyan

### **Team Business**

Old Business: Engine Ordering on Monday – Send link to Marco  
SAE International Questions – must go through Team Lead  
Housing – still a work in progress  
Website 90%

New Business: Vote Next Meeting on Departure Date and Time  
SAE Deadlines

**Cost System Initial Setup**-Thur January 18, 2018 at 11:59 PM EST

Fundraising: Dylan  
David – O'Reillys  
Keep getting money

Comments, Questions, Concerns: