

FORMULA SAE RACING

Pictured to the right is our Formula SAE Team, and the beautiful bare bones chassis. This isn't the most money invested project compared to other universities. We have limited funds so we work hard to design simple parts for simple solutions to take on a simple task. We're able to make most of our parts here, which is beneficial knowing it was made correctly. Or so we know who to point fingers at if those tubes aren't cut straight.

Meet a member



Joe Krause is the Team Leader. Last year he worked closely with Jonathon Luth learning all that he could. Now he's a sophomore and has been prepared to take this role as Team Leader. He's often found working in the machine shop taking full advantage of having one, or underneath a student's car being the campus mechanic.

DOING WHAT WE DO BEST

We wish building a race car was easy, that it wouldn't require understanding vehicle dynamics, or using mathematical equations and formulas to come to a solution. But what's the fun in that? The fun is using what we learn in the classroom and applying it to real world applications. Such as building a race car, using our hands designing and building our own parts. Gaining experience operating machines and tooling equipment. That's what ORU Formula Racing is all about. "We're here to serve the students that want to gain real world knowledge of racing. This year isn't an easy task to take on this project. Being the team leader carries lots of responsibilities, coordinating with people to make sure they're doing their job. It's tough, but it's worth it." Says Joe Krause. When all this hard work and dedication pays off, we'll have the experience that most students won't ever get the opportunity to have. By paving the way, and bringing this project to



ORU, we are also showing the racing world that this is more than a theological school. It is also a successful engineering school that enjoys getting its hands dirty. "This project is very exciting, and having the opportunity to be a part of it is even more thrilling". Says Stephanie Patruska, the Lead Electrical Systems Engineer. Putting ORU on the map in the race world is going to be exciting, competing with state colleges that have substantially more funding than we do

will be exciting. By being able to show off what we are able to create with our limited funds. This year has been made possible thanks to Tristate Midstream, which donated the team \$10,000. A huge appreciation goes out from the school and the team. Now we're able to order necessary parts to continue building but we still need more funding.

PROGRESS UPDATE

To make this simple, it's been like Christmas. Parts have been constantly ordered and being delivered. The A-Arm mounts had to be cut off, re-made, and re-welded onto the chassis. A time consuming process. Now we are working on designing the bell cranks

for the shocks, and shock mounting locations. We are also approaching the steering box mounting, and steering wheel mounting. With the powertrain, we have a senior design group that is designing the intake manifold as their senior design project. Since

there's a required 20mm restrictor for this competition, it is best we work hard on designing a good intake system for the motor. Very soon we will have the motor loaded onto our dyno to start testing.

