Thompson Slough Hydrology Monitoring Internship
1-2 Credits
Fall 2018 Internship Application

About the Organization
The Friends of Buford Park & Mt. Pisgah (Friends) plans and implements native habitat restoration and enhancement projects in the Mt. Pisgah area. We use a variety of techniques such as native plant propagation, invasive species control, prescribed fire, and monitoring surveys to help restore and steward native riparian, upland, and prairie habitats. The Friends also have a goal to cultivate a culture of stewardship. One of the strategies to realize this goal includes partnering with educational institutions and community organizations to provide outdoor environmental education opportunities. It is imperative to the functioning of our organization to have involved, engaged and well-trained interns and volunteers, and we believe in giving our interns robust opportunities for learning and participating in our projects.

Overview
For the Thompson Slough Hydrology Monitoring Internship Project, interns are needed to gather hydrologic and geographic information, which will help to inform an intensive, process-based, interdisciplinary, multi-species approach to floodplain restoration design scheduled to begin in 2019-2020. Participants will gain understanding of geophysical relationships and insight into the process of floodplain restoration planning. This opportunity will hone field and observational skills, and bolster resumes for students looking for careers associated with Environmental Science & Natural Areas Management.

Description
A professional surveyor will be hired to survey remnant channels of Thompson Slough in September at the start of the rainy season and will likely take 2-3 full days. Interns will work alongside the contractor, in shifts if necessary depending on student availability, to assist and identify high and low elevations in the floodplain. After this initial data collection, each intern will return to the site on a weekly basis to observe and record site conditions, measure pool depth and extent, assist with datalogger data management and datalogger site management. These accumulated data will paint a picture over the rainy season as to how the current topography affects surface water and will inform if, how, and where to make grading changes to reconnect the floodplain to the Coast and Middle Forks of the Willamette River. Students will also be asked to make phenological observations of plants and wildlife.

1-2 Credits
Typically, 30 hours are required for each academic credit. One 3-hour monitoring survey weekly for a 10-week term will yield 30 hours for one credit. Additional hours are possible with additional survey time. Hours and schedule are flexible.
**Where to Meet**
Friends of Buford Park Native Plant Nursery (directions below). Walk to survey sites from there.

**Interns are expected to:**
- Follow directions and ask questions.
- Complete or make progress on tasks as assigned.
- Log all hours spent working on the internship.
- Wear clothing that can get dirty, be aware of the weather and dress in layers. Work will be outside even if it is raining, or hot and sunny.
- Attend to personal safety, stay hydrated, be aware of surroundings and promptly report any injuries.

Conscientious interns who communicate regularly and fulfill their duties responsibly will gain valuable work experience in this field and can expect to receive a positive written recommendation.

**To apply, fill in the form below and email to our Volunteer Coordinator at volunteer@bufordpark.org**

**Name:**

**Email:**

**Phone:**

**Address:**

**Academic Department:**

**Year in Studies:**

**Your goals for the internship:**

**Your related academic or work experience:**

I agree to do my best to meet the expectations listed above.

**Signature: ___________________________  Date:**
DIRECTIONS TO NURSERY: 34639 Frank Parrish Rd.

Please note that it takes 15-20 minutes to drive to the nursery from the UO Campus and about 11 minutes from LCC. Biking takes about 40 minutes from the UO Campus and about 25 minutes from LCC. There is no bus service to the park.

From UO:
Head east on Franklin Blvd and get on I-5 heading south. Take the 30th avenue (LCC) exit. At the first stoplight, stay to the right, heading south on McVay Hwy, the road paralleling the freeway, approximately 3/4 mile to another stoplight. Turn left on 30th and cross over I-5. Turn left again at the stop sign (Franklin Boulevard). Take the next right after the Shell station (Franklin Boulevard East) and pass under the railroad tracks. After the road curves to the right take the next left onto Seavey Loop and follow it east all the way to the mountain (Mt. Pisgah is ahead of you the whole time). After you cross the river, turn left onto Frank Parrish Road. (Do not go right to the main parking lot and the Mt. Pisgah Arboretum). Drive past the North Trailhead parking area and through the yellow gate to the left (not the cattle gate near the trail head). The gate will be partway open with a sign saying “event access only” (the “event” is the volunteer work party). Continue about 1/4 mile to the nursery and park on the left side. You do not need a parking pass for the nursery.

From LCC:
Head east on 30th and cross over I-5. Turn left at the stop sign (Franklin Boulevard). Take the next right after the Shell station (Franklin Boulevard East) and pass under the railroad tracks. After the road curves to the right take the next left onto Seavey Loop and follow it east all the way to the mountain (Mt. Pisgah is ahead of you the whole time). After you cross the river, turn left onto Frank Parrish Road. (Do not go right to the main parking lot and the Mt. Pisgah Arboretum). Drive past the North Trailhead parking area and through the yellow gate to the left (not the cattle gate near the trail head). The gate will probably be partway open with a sign saying “event access only” (the “event” is the volunteer work party). Continue about 1/4 mile to the nursery and park on the left side. You do not need a parking pass for the nursery.