# What is the Quarterly Cruise?

The Quarterly Cruise is a newsletter distributed to prospective students and published once a term. It’s purpose is to provide a sneak peak of life in the College of Forestry, with articles on people, projects and events. It is a window into our community and gives prospective students an idea of who they’ll be rubbing elbows with if they decide to enroll in one of our fantastic degree programs!

*Front and Back Cover Photo: Broken Top by Nic Horn, Natural Resources student*
*Photo Pictured Above: Dee Wright Observatory by Autumn Metz, Forest Management student*
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The College of Forestry welcomes incoming students with a trip to the forest!

Welcome Week can be a busy (and exciting) time for incoming OSU students. Between moving into the dorms or other housing, trying to find your way around campus and Corvallis, and getting ready for classes to begin, Welcome Week is jam packed with new opportunities. But the College of Forestry still manages to fit in time for our Annual Ring welcome event. Each year the incoming class of CoF students are taken to the Forestry Club Cabin, which is about 15 minutes from campus at the Peavy Arboretum in the College Research Forests. Students, staff and faculty enjoy a BBQ lunch, an official welcome from the Dean, and lots of fun and games! This year, students chose from two informational hikes led by Ryan Brown, Recreation Manager, and Brent Klumph, Forest Manager, for the College Research Forests.

After the hikes, students were divided into teams, handed a clue, and sent off on “The Amazing Forest Race.” The race took students to several spots in the forest, including the Firefighter Memorial, the Telephone Pole research station, the tree farm, and finally to Crone-Miller Lake where students canoed their way across the lake to receive the final clue. It was a fun afternoon of getting to know our newest students and enjoying the forest.

To learn more about the Peavy Arboretum, visit: cf.forestry.oregonstate.edu/peavy-arboretum

Ettihad Cultural Center

The Ettihad Cultural Center (ECC) is a cross-cultural resource for OSU students who have a cultural or ethnic background in central and southwestern Asia and northern Africa. It’s also open to those who are interested in learning more about these regions and cultures. The Arabic word ‘Ettihad’ means unity, and the root of that word can also be found in the Hebrew, Farsi and Urdu languages. The ECC serves as a “home away from home” for OSU students of all faiths and religions.

To learn more about what the Ettihad Cultural Center, visit dce.oregonstate.edu/ecc
CoF Career Resources

The College of Forestry offers a number of events and resources designed to provide students with opportunities to connect with future employers, and apply for temporary and permanent positions. Be sure to take advantage of these great career resources!

SAF JOB FAIR
Each year, the Society of American Foresters (SAF) Student Chapter organizes a job fair for College of Forestry students. The 2015 job fair was held in Richardson Hall, and attracted around 35 employers representing the broad fields of forestry, renewable materials, and natural resources. Employer participants included Georgia-Pacific, Timber Products Co., the Bureau of Land Management, Plum Creek Timber, and Bartlett Tree Experts. These employers were looking to meet and recruit CoF students for a variety of available positions. Some interviewed students during the job fair, while others scheduled additional days to conduct interviews. Plans for the 2016 job fair are already underway!

Employer Information Nights
The College of Forestry organizes numerous Employer Information Night sessions on campus throughout the year. During these sessions, employers give presentations to students about their company and the career paths that are available. So far this year, representatives from the Peace Corps, Plum Creek Timber, Weyerhaeuser, Georgia-Pacific, and AKS Engineering met with our students. It’s not uncommon for these employers to offer refreshments, and accept applications and resumes.

Federal Jobs Workshop
This year, the Student Services Office and Career Development Center (CDC) teamed up to bring a Federal Job Workshop series to students interested in applying for federal positions using the USAJOBS.gov website. In these workshops, students learned how to make their resumes stand out. In addition, a panel of federal employees representing several agencies shared information and answered questions about their own career paths, and available opportunities within their agencies. Students were also invited to a networking event with the employers.

CDC Drop-In Hours
With all of these opportunities to meet employers and apply for jobs, it’s important to be prepared. Which is why we now offer CDC drop-in hours in Peavy Hall. Carolyn Killefer, Career Development Center Assistant Director and CoF Liaison, holds office hours in the College of Forestry’s Self Learning Center (SLC). During this time, she helps students to prepare resumes, cover letters, job applications and interviews. Students can also visit Career Services at their office in the Kerr Administration Building.

Work Experience Practicum
Work experience is an excellent way for students to boost their resumes. For students majoring in Forestry, Forest Engineering, Forest-Civil Engineering, Recreation Resource Management or Renewable Materials, work experience is a graduation requirement. It’s never too early to start gaining experience! Check out our new process for submitting work experience online at workexperience.forestry.oregonstate.edu

International Internships
College of Forestry students can now hone their professional skills, not just in the U.S., but all over the world! The College’s International Programs team has established opportunities to work and learn abroad for students in every major and with a variety of employers.

With international internships, students can go abroad at a point in their academic career that works best for them, and gain global insight into their future careers. Employers are very interested in hiring graduates with international experience, not just for their professional background, but also because of what the experiences say about a students’ character—that they are adventurous, motivated and willing to move outside their comfort zones.

In the summer of 2015, Renewable Materials student Raquel Albee interned at an advanced wood product development in Küchl, Austria. She says, “The internship shaped my overall experience in the [wood products] industry and made me think about what I want to do later on. I’m so glad that I took a leap of faith and took this opportunity to gain irreplaceable international experience.”

Learn more at: internationalprograms.forestry.oregonstate.edu
Sandy Jameson has a long history with Oregon State University. She earned her degree in Physical Education from OSU, ran the ¼ mile and mile relay on the OSU track team, and was a member of the Alpha Gamma Delta sorority. Her advising career started almost 20 years ago in the College of Engineering. She’s been advising in the College of Forestry for the past two years, for students majoring in Forestry, Forest Engineering and Forest Engineering/Civil Engineering.

Sandy enjoys working with students on a day-to-day basis and getting to know them. Helping them succeed and earn their degrees is one of the most rewarding aspects of advising. Growing up in Roseburg, a timber town, she feels a sense of connection with students in the College of Forestry.

When you walk into Sandy’s office, there’s no mistaking how much she loves the Oregon State Beavers. You could argue that she has the most orange and black gear in the entire College of Forestry! And don’t be surprised if you run into Sandy and her husband at a Beaver sporting event. She is a season ticket holder for football, men’s and women’s basketball, baseball and gymnastics.

In addition to her love of Beaver sports, Sandy is the finance advisor for the Alpha Gamma Delta sorority.

Sandy would advise new students in the Forestry, Forest Engineering or Forest-Civil Engineering majors to make sure they are getting the right background in high school. She encourages students to take plenty of math, physics, and chemistry. In addition, taking the ALEKS math placement test well in advance of attending a START orientation session is also helpful for both students and advisors.

Sandy’s words of wisdom for soon-to-be CoF graduates are to have their resume’s done early, look at all the available job sites, and go on as many interviews as possible. She explains that the more often you go through the interview process, the easier it will become. Sandy is happy to say that there are currently plenty of jobs that need to be filled by CoF graduates in the fields of Forestry and Forest Engineering-Civil Engineering.

As the sole advisor in the Department of Forest Engineering, Resources & Management (FERM), chances are pretty good that you will be speaking with Sandy if you enroll in one of the three FERM majors. Just don’t plan on wearing any yellow or green in her office!

Major Spotlight: Forest & Civil Engineering (FECE)

Did you know that Oregon State offers the nation’s only ABET-accredited programs in Forest Engineering, and the only dual degree in Forest -Civil Engineering in the U.S.?

The five-year dual degree program in Forest Engineering-Civil Engineering (FECE) will prepare you to execute solutions to complicated forest, natural resource and civil engineering problems, while also understanding the biological needs of the forest and protecting soil and water resources.

In addition to ABET-accreditation, the FECE degree program is accredited by the Society of American Foresters (SAF), the largest professional society for foresters in the world!

FECE students gain hands-on experience performing forest engineering tasks including designing and constructing forest roads, bridges, culverts and other structures, and developing and adapting logging systems and harvest units. Students are also trained to perform civil engineering tasks such as designing and building roads, bridges, railways, dams, tunnels, and other structures.

This dual degree expands the career opportunities of graduates by allowing them to work in rural and/or urban areas, and for a wide variety of employers. Career opportunities include: licensed forest engineer, licensed civil engineer, professional land surveyor, city engineer, and GIS (geographic information system) specialist.

For more information, visit forestry.oregonstate.edu
New Faculty Profile
Mariapaola Riggio, Wood Design and Architecture

From Italy to Oregon: Mariapaola joins the College of Forestry family

The College of Forestry welcomes Mariapaola Riggio, Assistant Professor of Wood Design and Architecture in the Wood Science & Engineering (WSE) department. While Mariapaola has only been here since September, she’s already discovered that Oregon State University, specifically the College of Forestry, has an incredible sense of community.

Mariapaola is an architect, and her professional and scientific interests are focused on multidisciplinary approaches to bring the tools of architecture to bear on questions regarding wood design and engineering. Mariapaola moved here from Italy to join the WSE team as an architect responsible for developing new courses on architecture and wood design for the Renewable Materials program.

If you are wondering how Mariapaola got to where she is today, it might be helpful to know a little bit about her educational background. In 1997, Mariapaola earned an M.S. in the Faculty of Architecture from the University of Florence, Italy. She’s been a chartered architect since 1998. Mariapaola earned a Ph.D. from the Department of Mechanical and Structural Engineering at the University of Trento, Italy in 2007. She then performed research for the National Research Council of Italy, Trees and Timber Institute, until 2015 when she transitioned to her current position at Oregon State.

Bringing her expertise in architecture and design from Europe, Mariapaola is helping to create a new curriculum that can involve students from WSE, engineering, and architecture, to form a new generation of professionals that can understand the qualities and potential of renewable materials for advanced products. She is excited that, in addition to the wonderful resources we have here at Oregon State University, this program will collaborate with University of Oregon’s architecture program. This collaboration and the inclusive environment of everyone here in the College of Forestry are two of the things that Mariapaola enjoys most about working here.

The coursework that Mariapaola is helping to create will be available for students to take in the beginning of the 2016-17 academic year. Her goals for the new program include using innovative teaching and learning methods to emphasize the direct experience for the students, while keeping a nature to the coursework that encourages innovation on the students’ part.

Mariapaola loves art and nature. She says that Corvallis is an amazing place for outdoor activities, and she takes the time to communicate the importance of nature to her children.

Having a background in the international wood products industry, Mariapaola’s advice to young women pursuing a career in forestry is to keep their uniqueness. She explains that, “women do not have to behave as men to compete in a man’s world.” For Mariapaola, the secret to success is to keep your creativity, collaborate, and work hard.

To learn more about Mariapaola, visit woodscience.oregonstate.edu/people/faculty/riggio-mariapaola

To see more faculty profiles, visit undergrad.forestry.oregonstate.edu/student-services/meet-our-faculty
Eating sustainably at Oregon State

UHDS dining services is committed to sustainable food sourcing and offers a growing number of locally grown and produced food and organic options. Check out some of the sustainability efforts that UHDS has implemented:

**Food Forests**

With sustainability in mind, University Housing & Dining Services (UHDS) have made some changes in how they are serving campus students. Outside a few of the residences halls, new ‘Food Forests’ have been planted to provide fresh organic produce to students. Students have the opportunity to help in the garden and talk to their food preparers about their meals.

**Local 6**

The UHDS’ goal is to broaden student’s horizons and to educate students on where their food comes from. Unfortunately, not all produce can be grown on site. But UHDS is making an attempt to source their food from regional and local farms within the six counties that surround Benton county. For those local items that are grown, made or processed in our nearest six counties that include Benton, Lane, Linn, Lincoln, Marion and Polk, UHDS partners with the First Alternative’s local six program to distinguish those items with the local six icon (pictured to the right).

**Eco2Go**

To reduce the amount of waste that OSU makes every year, UHDS has also implemented a new and free Eco2Go Food Container program. This allows residents and other customers to utilize reusable take-out containers. These containers can be returned to any dining hall on campus, and are designed to be reused to help reduce the amount of plastic and other food container waste going into landfills each year.

Delicious & Diverse Dining Options at Oregon State

OSU has a plethora of dining options for students, faculty, staff and visitors to enjoy. With choices ranging from salads, smoothies and sandwiches, to burgers, burritos and desserts, there’s something for everyone’s taste buds to savor. Our dining facilities also offer options for gluten-free, vegan and vegetarian diets.

In addition to offering a variety of menu choices, there are several dining plan options that make it easy for students to pay for meals, whether it be a few small meals a day or three full meals. UHDS Dining Dollars gives students the flexibility to eat at more than 15 dining venues. The dining plan also offers a 25% discount in all UHDS restaurant and a 10% discount in convenience store and coffee shop locations. Students are welcome to change their plan at any time.

Another program that is available to those affiliated with OSU—Orange Rewards—offers a 10% discount at all 30 campus restaurants, coffee shops, and markets.

Explore all of OSU’s dining options at: [oregonstate.edu/uhds](http://oregonstate.edu/uhds)

To learn more about UHDS and their Sustainability Initiatives visit: [oregonstate.edu/uhds/sustainability-efforts](http://oregonstate.edu/uhds/sustainability-efforts)
Roxanne Kanable shares the importance of natural resource education

Senior Roxanne Kanable is currently working towards her Natural Resources degree with the Conservation Technology option at OSU—Cascades. What originally drew her to the OSU—Cascades campus were the small class sizes, which average about 17 people. Roxanne explains that, “the Cascades campus is a community of students who are all working towards the same goal and have gone through the programs together. We have all gotten to know each other really well and are always willing to help each other with classes.” In addition to the small class sizes, Roxanne also appreciates that she can have one-on-one conversations with professors, which allows her to make more personal connections.

Last December, Roxanne had the opportunity to travel internationally to Costa Rica with her Natural Resources class. While abroad, Roxanne was able to study the energy systems that Costa Rica has in place, and how they are striving to be carbon neutral. On this trip, she was also able to participate in a short internship where she sampled trees that were being used in reforestation projects.

Once she earns her Natural Resources degree, Roxanne hopes to go into water resource management and work with children to enhance their appreciation for the environment. She has already gained hands-on experience with the Upper Deschutes Watershed Council teaching environmental education to kids from kindergarten through eighth grade. She taught them about the watershed they live in and how their actions affect the rest of the watershed. Roxanne stresses the importance of natural resource education, explaining that it helps people to gain a “respect for nature, and by teaching them, they gain knowledge and are encouraged to make a difference in the world.”

In addition to her role as a student, Roxanne is an R.A. (resident assistant) at the OSU—Cascades campus and a first year student mentor. As an R.A. and mentor, she collaborates with others to provide articles, videos and events for incoming students to inspire community excellence and wellness. When she isn’t working, Roxanne enjoys skiing on Mount Bachelor and taking hikes around the beautiful landscapes of Central Oregon.

To read more student profiles, visit: undergrad.forestry.oregonstate.edu/student-services/meet-our-students
New OSU—Cascades campus is underway

OSU—Cascades, located in Bend, OR, is the first and only branch campus of Oregon State University. OSU—Cascades has offered a 2+2 partnership with Central Oregon Community College (COC) since 2001. In August 2012, it was announced that the branch campus would be expanding to a four-year university. In July 2013, OSU—Cascades was granted capital funding to establish its own campus in order to accommodate freshman and sophomore classes.

The first phase of the branch campus expansion will be completed in the fall of 2016, with the opening of a 44,000 square-foot academic building. The new building will be larger and more sustainable than Cascades Hall, the current building used to conduct classes for OSU—Cascades students on the COCC campus. The new building will house eleven classrooms, plus labs, learning commons areas, student service offices and informal student gathering areas.

The ultimate goal is to have a net-zero energy campus. OSU—Cascades plans to achieve this goal with insulated windows, photovoltaic panels, biomass boilers and landscaping that features the native plant communities.

To learn more about the new OSU—Cascades campus, visit: osucascades.edu/feature-story/new-campus-underway

Tree Trivia!

Time to test your tree knowledge! Try to guess what this odd tree of the Pacific Northwest is with these clues:

- Large, truncated leaves with four lobes
- Tulip-shaped; greenish yellow with bright orange flares
- Distinctive cone-like fruits containing seeds with one long wing

To learn more about species of the Pacific Northwest visit: oregonstate.edu/trees

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Major Spotlight: Tourism & Outdoor Leadership (TOL)

The Bachelor of Science in Tourism & Outdoor Leadership is exclusively offered at the OSU—Cascades campus in Bend, Oregon, giving students access to some of the best tourism opportunities in Oregon. This degree program prepares students to educate, protect and promote the sustainable use of the outdoors while supporting human health and wellness.

This unique program combines a broad understanding of the tourism and outdoor leadership sectors with the business, communication and other skills needed to operate a tourism or outdoor recreation business.

Career opportunities include: outdoor guide or trip leader, environmental interpreter, outdoor recreation planner, nature-based tourism specialist, tourism policy analyst, international ecotourism specialist, and entrepreneur in tourism and outdoor leadership.

For more information, visit: osucascades.edu/academics/tourism-and-outdoor-leadership
Small insects, big impacts

Darrell Ross is a Forest Entomologist for the College of Forestry. Ross specializes in developing knowledge and tools for resource managers to use to protect trees from native and invasive insects that can have a large impact on tree stands.

One of the current insect threats to forests that Ross is working on is the infestation of the hemlock woolly adelgid (HWA). This species was introduced to the eastern U.S. from southern Japan in the 1950s and has caused tremendous hemlock tree mortality. The insects are very small and spend the majority of their lifecycle at the base of hemlock needles “sucking” nutrients out of the tree. Ross describes this insect as harmful because eastern hemlock trees do not have a resistance to them. In addition, the HWA has no natural enemies in the eastern U.S. which is causing the species to spread rapidly. Ross’ solution to this issue is to remove the insects using a strategy called classical biological control. Ross and his collaborators have been working to find a predator in the Pacific Northwest (where the insect is a native species) that can help to regulate HWA populations in the east.

Ross and his colleagues believe they have found two fly species that have the potential to control the HWA populations. These flies have the ability to prey upon the egg stage of the HWA’s lifecycle, killing the HWA insects. The fly species were released last spring in eastern forests, and the preliminary results are encouraging. The adult flies that were released mated and reproduced at a high level. Their offspring fed on eastern HWA and developed to the adult stage. The next phases of their research will determine whether the flies are capable of surviving throughout the year in the eastern climate and, ultimately, reducing the rate of hemlock mortality.

Ross has also had success creating a pheromone management strategy to deter the Douglas-fir beetle. At high densities, this insect can kill large numbers of Douglas-fir trees, particularly in forests east of the Cascades and in the Rocky Mountains. To deter Douglas-fir beetle infestations, they have used a plastic bubble-like capsule that puts a “cloud” of beetle pheromones around the stand. Pheromones are chemical substances that are released by beetles to send a nonverbal message to other beetles. In this case, Ross and his colleagues have used a pheromone that sends a message to the beetles that those trees are already infested. Ross explains that, “Basically, it makes the beetles think that there is no vacancy on the trees and makes them move on to another area.” This treatment is designed to protect high-valued trees and stands during Douglas-fir beetle outbreaks.

As small as insects are, they have the potential to have disastrous effects on a landscape if they get out of control. According to Ross, “with the proper strategies, insects can be managed and have reduced impacts.”

To learn more about Ross’ research, visit: oregonstate.edu/ua/ncs/archives/2015/jun/scientists-release-predatory-flies-protect-eastern-hemlocks-insect-attack

To see more faculty profiles, visit: undergrad.forestry.oregonstate.edu/student-services/meet-our-faculty
The sky is the limit for Kyle Stevens

Kyle Stevens is from Gresham, OR, and his passion for being outdoors is what drew him to the College of Forestry. Kyle began his journey at Oregon State as a business major. But he soon realized that he did not want a job that required him to be inside all day, so he changed his major to Natural Resources. He explains that, “My biggest influence in this switch to Natural Resources was growing up on my Grandpa’s tree nursery and working alongside him throughout my childhood. He influenced me to follow what I’m passionate about instead of what makes the most money.”

The Natural Resources program intrigued Kyle because it combines all of the natural sciences with ecological restoration and conservation, which directly correlates with what Kyle wants to do when he graduates. After graduation, Kyle plans to work for (and eventually start his own) a non-profit that operates on pure conservationist efforts.

“I want to help improve the resilience of land rather than continue to blindly support its degradation. My goal is to have a career in which I enjoy going to work every day, and also feel like I’m making a positive difference in my community.”

The culture of the College of Forestry, with its supportive faculty, staff and students, is what Kyle loves most.

He explains that everyone is trying to find better ways to do things that the world needs. People take a genuine interest in what others are trying to do, and there are so many ways that students can get involved. For example, Kyle is a member of a fraternity on campus, and he’s interested in joining the newly formed Natural Resources Club.

On top of classes and student clubs, Kyle also finds time to work for his family business in the summer, and serves as a student fundraiser for the Oregon State Foundation during the school year. In addition, he is an Ambassador for Agriculture, Forestry & Natural Resources. Serving as an Ambassador has pushed Kyle to try new things, and has helped him to get out of his comfort zone. Kyle’s favorite part of being an Ambassador is helping potential students to realize they don’t have to have a forestry background to be in the College of Forestry. Rather, anyone with an appreciation and respect for nature can easily call the college their home.

To see more student profiles, visit: undergrad.forestry.oregonstate.edu/student-services/meet-our-college

Student Ambassadors

Students in the Colleges of Forestry and Agricultural Sciences have the opportunity to serve as a student Ambassador, where they can enhance their public speaking and time management skills, individual and group dynamics, prepare for pre-professional success, and engage in activities that promote the College of Agricultural Sciences and the College of Forestry.

Ambassadors attend on-and off-campus recruitment events, attend professional conferences, industry and alumni events, engage in the marketing and promotion efforts of both Colleges, and host students and parents to campus.

If you are interested in learning more about the Ambassador program or how to apply, visit their website at: agsci.oregonstate.edu/student-clubs/ambassadors
Oregon State University

College of Forestry

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