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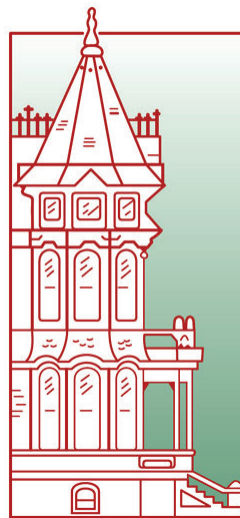
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The Daily Emerald is published by Emerald Media Group, Inc., the independent nonprofit media company at the University of Oregon. Formerly the Oregon Daily Emerald, the news organization was founded in 1900.

**ON THE COVER**

*Doyle Canning, a democrat candidate for congress, held her campaign kick-off rally in Skinner Butte Park on Sept. 21, 2019. (Madi Mather/Emerald)*

everything you need to know  
**EVERYTHING UO**

**NEWS**

# BUSINESS SCHOOL ESTABLISHES NEW SUSTAINABLE BUSINESS MINOR

BY C. FRANCIS O'LEARY



Lillis Business Complex is home to the UO Lundquist College of Business at the University of Oregon. (Emerald Photo Archive)

In response to high student demand, the University of Oregon's Lundquist College of Business is now offering a new minor in sustainable business. About a dozen other universities have similar minor programs, including Loyola, the University of Minnesota and the University of Wyoming. The minor's first courses will begin in winter 2020, but non-business and accounting majors can enroll in the minor starting this fall.

These courses will be at home at the Lundquist College of Business. The Lillis Complex, which houses the business school, is one of the most environmentally friendly business school facilities in the country, according to the college's website.

The business school also offers a sustainability-concentrated MBA program ranked sixth in the nation by the Princeton Review, as well as the Center for Sustainable

Business Practices and the student group Net Impact, which is dedicated to preparing students to make a positive impact on the world.

It was the members of Net Impact who were the catalyst of the new minor. Izabel Loinaz, Net Impact's faculty advisor, called members of the group "the Gretas of the world," referring to Greta Thunberg, the 16-year-old Swedish climate activist who led a global climate strike on Sept. 20.

With no official route to get an education in sustainable business as an undergraduate, the students began taking classes in business, environmental studies, geology, history and more to round out their education.

As Net Impact's faculty advisor, Loinaz learned of the students' desires and paired with Professor Mike Russo to develop a program that would satisfy the students' desire for

a minor that "gives [students] confidence what they're doing really matters."

Since summer 2018, Loinaz and Russo have collaborated with schools across the campus and the students who demanded the minor to develop a curriculum. Loinaz says she "reverse engineered" a lot of the curriculum by asking Net Impact members which classes they had been taking and why. From there, she and Russo reached out to the schools offering those courses and asked them to pair with the business school to offer the minor.

The result is a minor that combines the values of environmental protection and business operation. Russo said this interdisciplinary approach is the best way to bridge the gap between business-oriented and environmentally-minded students.

To complete the minor,

students will first take three classes on the fundamentals of business. The remaining classes are grouped into what Russo called clusters: groups of classes that fulfill the same requirement. From the first cluster, students will choose to focus on a specific aspect of business, whether that be accounting, marketing, financing or something else. The second and third clusters offer a range of classes from Green Product Design to Physics of Solar and Renewable Energy. The result is a highly customizable minor wherein students will be able to pursue their own interests.

Students who are interested in learning more about the minor in sustainable business can visit the College of Business' website or the business school's undergraduate advisors at the Lillis Business Complex.

# UO Daily Emerald vs. UW Daily FUNDRAISING FACE-OFF



While the players will square-off for one night on the field, the Daily Emerald and The Daily of the University of Washington are competing against each other in a fundraiser to support student journalism.

Both papers are coming together to create a special joint-edition for the UO vs. UW game on Oct. 19 and to see which paper can raise the most money to support student journalism.

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# CONSTRUCTION FOR HAMILTON HALL REPLACEMENT TO BEGIN IN NOVEMBER

BY RYAN NGUYEN

Construction for the new residence hall that will replace Hamilton Hall will begin on the large green space west of Justice Bean Hall in late November.

The new hall marks the first phase of the university's plan of revitalizing student housing to both prepare for a growing student population and drive and support growing enrollment numbers, said Dr. Roger Thompson, the vice president for student services and enrollment management.

"We're also experiencing, even though the demographics are shrinking, tremendous growth in our freshman class," Thompson said. "We've never had interest as high in the University of Oregon as we have now."

Though some site preparation will begin in November, things that "look more like construction," like putting up fencing, moving in heavy machinery and preparing the hall's foundation, will begin sometime in December, said Michael Griffel, the director of University Housing.

The new 700-bed residence hall that will replace Hamilton will have seven floors, new dining venues, a center for visitors and prospective students and an apartment for faculty living in the hall. The university is also considering adding "retail space" to its ground floor, according to documents from the Sept. 6 board of trustees meeting.

This plan, which has been dubbed the "Housing Transformation Project," involves replacing Hamilton and Walton (as well as the green space dubbed as "Humpy Lumpy Lawn") with three new residence halls.

As for Humpy Lumpy Lawn, Griffel says, the university plans to construct a large permanent green space where Hamilton currently sits as a replacement for the student-beloved landmark.

"The design is still pretty early, but it will have some humps and lumps," Griffel said of the new green space.

Together, Hamilton and Walton have 1,400 beds. The three new dorms will have over 1,800 beds.

More recently constructed dorms

like the Living-Learning Center, Global Scholars Hall and Kalapuya Ilihi are among the university's most requested, Thompson said, because of higher demand for residence halls that have more than just "cinderblocks."

Amenities like fresher, healthier food with gluten-free and vegetarian options, Wi-Fi and computers are just some of the services students in the 21st century are asking for, he said.

The university has scheduled to finish building the residence hall replacing Hamilton by early August 2021, Griffel said, when it plans for construction of the two halls replacing Walton to begin. Hamilton, after housing its last round of students in the 2022-23 school year, will be demolished in summer 2023.

Buildings in both dorms date back to the late 1950s and early 1960s.

The UO board of trustees – which approves any capital project costing more than \$5 million – unanimously voted to fund the project's first phase with its requested \$101 million at its Sept. 6 meeting.

"This is a key investment in the University of Oregon," Thompson said of the project at the meeting.

If the first phase of the project turns out to need more than its anticipated cost of about \$101 million, the board would need to approve any additional funding. The university expects the overall project to cost somewhere between \$218 and \$225 million.

The project is being funded largely by a loan from the UO's internal bank, which will pay for the residential and dining portions of the residence hall. The university expects the loan not to exceed \$83 million, according to documents from the Sept. 6 trustees meeting.

Another \$10 million will come from a mix of fundraising, sponsorships and an additional loan for the recruitment and visitors center, and the last \$8 million will come from University Housing funds, which include room and board fees from students.



Renderings show what the new residence hall will look like. (Courtesy of University of Oregon)



Renderings show what the new residence hall will look like. (Courtesy of University of Oregon)

# MOVIE REVIEW

## 'AD ASTRA' IS A STORY OF INTERGENERATIONAL TRAUMA DISGUISED AS A BLOCKBUSTER FILM

BY CHRISTIAN CANCELLA

As a quiet and introspective space movie about a search for truth, with personal ramifications, "Ad Astra" follows Roy McBride (Brad Pitt), a level-headed astronaut in the near future as he journeys to the far reaches of our solar system on a mission to find his father (Tommy Lee Jones). McBride's father, Clifford, is long believed to be dead after communications stopped 16 years into his search for intelligent life. After a catastrophic event dubbed "the Surge" threatens the entire solar system, Roy McBride's search for answers may be the last hope for all mankind.

This film is a case study on the relationship between father and son. Pitt delivers a nuanced performance of a man with more complexity than the film, or his character, initially let on. The effects of his work and the disappearance of his father slowly come through the cracks of his

facade. While this film does boast a talented supporting cast list, including Donald Sutherland, this is Brad Pitt's movie. The rest of the cast isn't given much to do beyond push Pitt's character forward in the story, as this is really his role to shine.

It's a visually striking film with effects that are used relatively sparingly, adding to the impact when it shows off its technical prowess. The cinematography and art direction is slick, and its monochromatic palette and minimalistic look adds style to the world of this film. Featuring the same cinematographer, Hoyte Van Hoytema, as other visually delightful films such as "Dunkirk" (2017) and "Interstellar" (2014), there is precedent for this film's beauty. Its grounded depiction of a commercial space-airport on the moon was a small but effective way in which this film sets itself apart from other futuristic films and builds a believable world that

these characters live in.

"Ad Astra" brims with suspenseful action scenes that, while few and far between, are quite impressive. One sequence has Pitt and company respond to an SOS call of a ship doing research on animals that leans heavily to the horror aspects of the situation. Another standout sequence is a lunar rover chase with moon pirates, which offers a fresh glimpse of what this movie could have been if it devoted itself to being an action blockbuster film.

The slow pace of the film and the tendency for it to lean into the psychological and artistic elements make this a movie that likely won't connect with the entirety of the general viewing public. The pace and strong visual choices in its artistic direction are reminiscent of 2014's "Ex Machina," a similar film with a deeply psychological story underneath its mainstream movie concept.

The film is not the space action epic it promotes, as the bulk of the action is highlighted in the trailers. The story, like its protagonist, slowly reveals its true self over the course of the film. "Ad Astra" is not an action blockbuster, and the protagonist is not the cookie cutter "best we've ever seen" astronaut. At its core, this is a story of intergenerational trauma and isolation.

The isolating experiences of McBride in space parallels the personal isolation he subjects himself to, creating distance between him and his wife (Liv Tyler). "Ad Astra" presents grand questions of extra terrestrial nature and the fate of the human race but doesn't seek to provide equally grand answers. The answers that matter to this story are the personal ones of McBride (Pitt), regarding his father and, more importantly, himself.

Brad Pitt in Ad Astra. Image sourced from IMDB  
Production Credit: Twentieth Century Fox



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# DOYLE CANNING CHALLENGES DEFAZIO IN UPCOMING ELECTION

BY JACK FORREST • TWITTER @ JACKMANDU55



Doyle Canning, a democrat candidate for congress, held her campaign kick-off rally in Skinner Butte Park on Sept. 21, 2019. (Madi Mather/Emerald)

Doyle Canning was in kindergarten when her Democratic primary opponent, Peter DeFazio, became congressman for Oregon's 4th Congressional District. Forty-year-old Canning is also 22 years younger than the youngest current member of Oregon's U.S. delegation.

"Things look different here than they did in the 1980s or '90s or even the 2000s," Canning said. "And I'm going to fight for the future."

On Sept. 23, Canning announced that she is running for congress to represent Oregon's 4th Congressional District. Canning said she is part of the new, progressive left and that she is fighting for free college tuition for all, a Green New Deal to combat climate change while introducing jobs in renewable energy, an "affordable future for all" and ending the family separation policy at the border.

Canning said she didn't think that she would run for congress in a state that she'd only lived in for four years. She credits her time studying environmental law at the University of Oregon for playing a large part in her decision to run.

Canning came to UO when her husband, Justin Francese, decided to enter a Ph.D. program at the School of Journalism and Communication. "It was an obvious choice that Oregon was the place to go and raise our family and build our future, and so that's how we ended up in Eugene," Canning said.

After being in Eugene for a short time, Canning said she decided that she would enroll in the

environmental law program at UO. During her time there as a student and as a research fellow, she read climate reports almost every day.

"It was over the last three years that things really took a nosedive," Canning said. "The tone of these reports began to shift from a kind of a distant, dry academic tone to alarm bells ringing and every dial on the dashboard blaring red."

Throughout her studies, Canning said she found that environmental laws in the United States are not sufficient enough to fix the problems she saw in those reports. "We need to upgrade the frameworks that we have to manage this crisis and to get out of it, and no one is going to do that for us," Canning said. "We are the ones who have to step forward and lead, and that's why I'm running for Congress."

Many of Canning's major policy stances stem from her experience with environmental issues. The Green New Deal and the opposition of the Jordan Cove pipeline, proposed to transport liquified natural gas to a port near Coos Bay, are some of the main drivers behind the Canning Campaign.

"If we are able to build a Green New Deal economy that is able to create jobs in forestry, restoring and expanding the forest that we have, those are jobs that last for generations," Canning said. "Those aren't dead-end jobs like the pipeline."

Canning said that other candidates running for Oregon's 4th Congressional District aren't doing enough to stop the pressing issue of climate change.

She often recites the same line, "I'm the only candidate in this race who is not taking any money from big corporate PACs or fossil fuel companies."

For Canning, Oregon should be leading the United States in creating renewable energy. Wind energy on Oregon's coast, solar energy in the high deserts of Eastern Oregon and the natural, carbon-reducing forests that stretch across the Pacific Northwest make Oregon a prime location to combat climate change.

## Who is Doyle Canning?

The system never really worked for Doyle Canning. That's why she's running to represent Oregon's 4th Congressional District – so she can fix it.

Canning was at a young age when her and her mother were left to fend for themselves as they tried to escape a home of domestic abuse.

"I watched repeatedly as my mother pled with the system for support and the systems failed us," Canning said.

Neighbors reached out and helped Canning and her mother. "I learned at a very young age that we need to look out for each other," Canning said. "And when the system fails us, we need to support each other and work together to change that system."

So that is exactly what Canning and her mother decided to do.

"I attended protests with my mom from a very young age. Nuclear power, U.S. intervention in Central



America, Apartheid – I was connected to those kinds of social movements as a child and a teenager,” Canning said.

This early life filled with social activism brought Canning to Goddard College, which billed itself as a “leader in progressive education.” At first, Canning went to Goddard with hopes of becoming a teacher. Her end goal was to teach social sciences to young people to inspire them to get involved in the political system from as young of an age, as she had.

That plan didn’t last long. “Before I could even finish my degree, I was recruited to work as a community organizer,” Canning said. This community organizing took Canning to rural communities to work with farmers in passing the first statute in the nation to label genetically modified seeds, she said. At 19, her activism led her to the 1999 World Trade Organization protest in Seattle.

“I experienced firsthand the power of a global coalition of labor unions and working people marching arm in arm with environmental movements and human rights activists and how we could work together to confront corporate power and win,” Canning

said. “That became my kind of North Star that guided me here ultimately.”

Canning’s early involvement in activism inspired her to start a collective with fellow organizers in 2003, now called The Center for Story-Based Strategy. The purpose of the organization is to provide movements that already have the facts and data on their side with a compelling story to attract higher levels of involvement, Canning said. She also said she hopes her campaign serves as a model for how to run a story-based progressive campaign.

But unseating DeFazio – a 35-year incumbent who chairs the House Committee on Transportation and Infrastructure, one of the most powerful committees in Congress – won’t be an easy feat.

“I’m ready to fight for the people of the 4th District and fight for the future of my kids. I have a family I’m fighting for, and I’m not going to give up. I’ve only ever fought uphill, and I’ve battled some of the biggest corporations and Wall Street banks in the world,” Canning said. “I’m not afraid of that fight.”

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# AN INTERNAL MIGRATION IS COMING AND WE AREN'T READY

BY NOAH JORDAN



Bearers of the 'Let the Youth Be Heard' flag wait for their turn to join the rally's programming. (Sarah Northrop/Emerald)

With the 2020 election bearing down on the country, climate change is undoubtedly on the docket. Candidates express commitment to sustainability, concern over sea temperatures and determination to meet vague emission goals. But the issue is treated abstractly, almost rhetorically. Yet across the United States, in places like Miami, Houston, New Orleans and Jacksonville, the changing climate is all too concrete.

For people like Katelen Harvey, who according to The Charlotte Observer was left homeless after Hurricane Florence, climate change isn't just an ideological discussion pitting science against ignorance – it's the storm that destroyed the house she was renting.

For people like Jade Lopez, who, according to The New York Times, lost her restaurant to Hurricane Dorian, it's the flood that destroyed her livelihood.

For people living in South Florida, it's the reason their houses are depreciating in value. For anyone

unable to purchase full flood and storm insurance, climate change is an ever-present threat that could upend their lives permanently.

And it's only getting worse. The migration of people will be next.

Storms that are increasing in frequency and strength are only the tip of the destructive iceberg. A report by The Union of Concerned Scientists estimates that over 300,000 coastal homes will be in danger of chronic flooding in 30 years. By 2100, that estimation rises to 2.5 million homes with combined property damage exceeding 1 trillion dollars. Simply put, tens of millions of people live somewhere they won't be able to in 80 years. For many, relocation isn't just an inconvenience, it's a financial impossibility.

As areas increase in risk, so do insurance rates, while property value diminishes. People will be left with mortgages for homes they can't sell. The slow drop of the proverbial shoe

that is climate change won't be a one-time shock, but a series of events that will bankrupt communities while trapping them.

Those that can leave will, but many simply can't, which brings us back to the 2020 election. The housing plans released or teased by candidates lack provisions dealing with this eventuality. The Federal Emergency Management Agency is woefully unprepared to deal with a crisis you can't rebuild from. We aren't ready for what experts are telling is likely inevitable. We aren't ready for massive internal migration. We aren't talking about the fact that it's already underway.

The problem we face is unprecedented, so too must be our response. This won't be a matter of pouring billions of dollars into a rebuild, but facilitating a migration, from the purchase of inundated property to the establishment of a new life. It's this facet of our response

to climate change that contemporary political debate neglects, the one that deals not just with the perpetrators of catastrophe but with the victims.

I don't have the relevant expertise to try to predict what this will all look like. We can fairly assume that transplanting millions of people elsewhere will have economic, social and political consequences. We can't know exactly what they will be. We also can't wait to find out.

People are being affected right now, and they need more than some relief aid when the clouds part. As a nation founded on exploitation of both people and the environment, it's not just our duty but a moral imperative that we take action. It's fine if that action looks like the impassioned commitments and concern we see in the Democratic primary, but it also has to take the form of real relief to those that are hurting today, and a plan for how to help those that will be tomorrow.



Members of Cascadia Forest Defenders initiated a week-long tree-sit on April 16, 2019, protest clearcut logging and climate change on the University of Oregon campus. (Sarah Northrop/Emerald)

# GEN Z FRESHMEN CARE ABOUT SUSTAINABILITY

BY KIRA OLIVER

Fall term is starting on the tail end of one of the largest youth movements in history. The global climate strike on Friday, Sept. 20 was led by students, most notably Greta Thunberg, a 16-year-old climate activist from Sweden. All over the world, young people took a stand by demanding climate action.

Here at the University of Oregon, students are falling back into their school routines. I asked students if the recent climate dialogue motivated them to make their daily habits more environmentally friendly.

Chris Engel, a freshman living on campus, said he is focused on limiting his waste. “The biggest thing that I’ve done is try to reuse – I use reusable bottles and try to limit my use of plastic as much as I can,” Engel said.

This shift away from plastic is not a baseless trend. According to NPR, China cut almost all trash imports in January 2018. This was largely due to contaminated recycling that required Chinese workers to sort through it. This left the United States with tons of plastic waste and a big problem.

The waste that was once sold to China, recycled and sold back to the United States had to be shipped to

other countries. Imports were sold to Malaysia and Indonesia before the countries became overwhelmed and turned away imports. Plastics are now being incinerated or are finding a new home in American landfills. Neither method is sustainable, as toxins from incineration are harmful to the environment and landfill capacity is limited.

Eugene has done its part in limiting plastic use over the years. In May 2013, the city implemented a ban on single-use plastic carry-out bags in all retail establishments. Effective Oct. 1, Portland will require customers to ask for disposable utensils and plastic straws, according to *The Oregonian*.

I approached several UO freshmen and inquired about what they had changed to make their daily routine more sustainable.

Tyler Matthews uses environmentally friendly transportation to get around campus. “I ride my bike – just to try and minimize impact as much as possible,” Matthews said. “I try to be more considerate in terms of what I’m doing, whenever I’m taking any product that is not recyclable or entirely reusable. I try to think about the best way to minimize the impact.”

The students I engaged with showed awareness about the climate crisis, sharing examples of how they shifted their habits.

UO student Diem Pham explained how she limited her use of disposables. “The famous one right now is the metal straw. I actually like the thermal cups, that’s actually critical too. I have three Hydroflasks, so I won’t be using plastic cups,” Pham said.

Coffee consumption has increased consistently since 2009. Most individuals don’t invest in a thermal cup like Pham does, but get a plastic or paper cups with each beverage. Along with coffee consumption comes waste.

“Hot to-go cup use has increased significantly over the past decade, along with the plastic lids that almost always top them,” wrote Annaliese Griffin in *Quartz*. “And that’s not even getting into cups and lids designed for iced coffee drinks, and their ocean-clogging straws.”

Whether it be the metal straw, a reusable bag for grocery shopping or taking public transport instead of driving a car, every small action limits your impact on the environment.



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# OREGON WRAPS UP NIKE COLLEGIATE INVITATIONAL IN 14TH PLACE

BY CLAYTON FRANKE · TWITTER @CLAYFRANKE1

The Ducks shot 9-over par to finish in 14th place in the three-day at the Nike Collegiate Invitational at Witch Hollow at Pumpkin Ridge Golf Club.

Oregon's lone bright spot was freshman Nate Stember, shooting an eagle on the par-5 11th. He finished the day at 1-over and tied for 30th overall.

Other notables included Kevin Geniza and Yin Ho Yue, tying for 44th overall and 4-over par, propelled by their strong front-

nine performances.

The Ducks 9-over day three performance followed two consecutive days of shooting 4-over as a team, putting them at 17-over on the invitational. The Oklahoma Sooners took home the NCI championship, led by Logan McAllister's 11-under par performance.

Oregon will take two weeks off before heading to Corvallis for the Oregon State Invitational at Trysting Tree Golf Club.

# OREGON WOMEN'S GOLF PLACES SECOND AT MOLLY COLLEGIATE INVITE

BY BRADY LIM · TWITTER @BRADYLIM619

The Oregon women's golf team turned in a strong showing at the Molly Collegiate Invite, placing second overall and turning in three individual top-15 finishes on Tuesday at Waverley Country Club in Portland, Oregon.

The Ducks finished 12-over for the tournament and were paced by two freshmen in Briana Chacon (fifth) and Sofie Kibsgaard Nielsen (T-13th), with junior Amy Matsuoka placing 12th. It was just Chacon's second collegiate tournament and the second consecutive runner-up finish for the Ducks as a team.

Chacon overcame a double bogey at seven to finish 1-over for the day and 3-over for the tournament. Nielsen also finished 1-over on Tuesday for a three-day score of 8-over. Matsuoka shot her second consecutive 2-over 75 after a 73 on Sunday, giving her a 7-over for the tournament.

The Stanford Cardinal ran away with the team title, shooting 4-under as a team and 16 strokes better than the Ducks.

The Oregon women will be back on the course at the Stanford Intercollegiate in the Bay Area on Oct. 11.

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