

Presidential candidate open forums



Wheatly

Dr. Michele Wheatly, professor and senior adviser to the president at West Virginia University

- Thursday, Feb. 19, from 1:30 to 3:15 p.m. in University Hall's Doermann Theater on Main Campus
- Friday, Feb. 20, from 8:30 to 10:15 a.m. in Collier Building Room 1000B on Health Science Campus.



Howard

Dr. Christopher Howard, president of Hampden-Sydney College in Virginia

- Monday, Feb. 23, from 1:30 to 3:15 p.m. in University Hall's Doermann Theater on Main Campus
- Tuesday, Feb. 24, from 8:30 to 10:15 a.m. in Collier Building Room 1000A on Health Science Campus



Gaber

Dr. Sharon Gaber, provost and vice chancellor for academic affairs at the University of Arkansas

- Thursday, Feb. 26, from 1:30 to 3:15 p.m. in University Hall's Doermann Theater on Main Campus
- Friday, Feb. 27, from 8:30 to 10:15 a.m. in Collier Building Room 1000B on Health Science Campus

All forums will be streamed live at video.utoledo.edu.

Two online courses recognized nationally for quality

By Samantha Watson

With an ever-growing list of online course offerings, The University of Toledo is striving to make each a high-quality learning experience for every student.

Two online courses are the first at UT to be recognized by Quality Matters, a peer review process designed to certify the excellence of online and blended courses. One of these courses is Grief and Bereavement Issues in Older Adulthood, developed by Dr. Barbara Kopp Miller, associate provost for online education,

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Fulbright scholar from Jordan researching effects of alcohol addiction on brain

By Samantha Watson

This academic year, only seven Fulbright Scholars are visiting the United States from Jordan, and one is right here at The University of Toledo.

Dr. Sawsan Abuhamdah, associate professor of neuropharmacology in the Department of Biopharmaceutics and Clinical Pharmacy at the University of Jordan in Amman, began studying at UT last fall and is here through May. With Dr. Youssef Sari, associate professor in the UT Department of Pharmacology, she is studying the effects of alcohol addiction on the brain.

"My specialty is in neuropharmacology, so anything related to the brain is attractive to me," Abuhamdah said. "Alcohol

addiction is similar to many drug addictions. If you concentrate on solving the problem of alcohol addiction, you solve many drug addictions like morphine and heroine."

The title of her project is "Pharmacological Studies of Compounds Targeting Glutamate Transporter I in Brain for the Treatment of Alcohol Dependence."

Abuhamdah first met Sari at the 2012 International Pharmacy Conference in Amman, Jordan, an event jointly organized by Al-Zaytoonah Private University of Jordan and The University of Toledo College of Pharmacy and Pharmaceutical Sciences. Sari attended along with Dr. Johnnie Early, dean and professor of the UT

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Photo by Charisse Montgomery

BRAINWORK: Dr. Sawsan Abuhamdah, associate professor of neuropharmacology at the University of Jordan, left, and Dr. Youssef Sari, UT associate professor of pharmacology, are sharing research techniques in the lab.

'Feminist Queer Crip' topic of interdisciplinary studies lecture Feb. 19

Dr. Alison Kafer will discuss her 2013 book, *Feminist Queer Crip*, Thursday, Feb. 19, at 7 p.m. in Libbey Hall.

She is an associate professor and chair of feminist studies at Southwestern University in Georgetown, Texas, where she also teaches classes in the Environmental Studies and the Race and Ethnicity studies programs.

Her work on disability, gender and sexuality has appeared in a number of anthologies, including *Sex and Disability* (2012) and *Feminist Disability Studies* (2011).

"Challenging the ways ideas about the future and time are deployed in the service of the illusion of normalcy, Dr. Kafer rejects 'the body' as a predetermined limit," said Dr. Jim Ferris, Ability Center of Greater Toledo Endowed Chair of Disability Studies and director of the UT Disability Studies Program.

"Drawing upon environmental justice, reproductive justice, cyborg theory and transgender politics, she envisions new



Kafer

possibilities for crip futures and feminist/queer/crip alliances, outlining a political framework for a more just world."

Kafer's free, public talk will be the third annual School of Interdisciplinary Studies Distinguished Lecture.

Assistant professors establish Health Disparities Research Collaborative

By Aimee Portala

Mental health, heart disease, diabetes and HIV/AIDS are more prevalent in Lucas County when compared to other counties in Ohio and other states throughout the nation, and the infant mortality rate in Lucas County surpasses that of many developing countries, according to two University of Toledo faculty members.

Dr. Kimberly McBride and Dr. Shipra Singh, assistant professors of health and recreation in the College of Health Sciences, are addressing these issues with a new Health Disparities Research Collaborative that grew out of a shared passion for health equity, social justice and interdisciplinary collaborative research.

The Centers for Disease Control and Prevention define health disparities as "preventable differences in the burden of disease, injury, violence or opportunities to achieve optimal health that are experienced by social disadvantaged populations."

As co-directors of the new research collaborative, McBride and Singh hope to build the collaborative into a program that will be on the forefront of health disparities research, training and service in the northwest Ohio region, as well as nationally and internationally. Specific areas of focus include health communication, mental

health, minority health, mixed methodology, and sexual and reproductive health.

Both new to the University, McBride and Singh joined UT with experience in research aimed at reducing health disparities and creating opportunities for social justice, particularly among minority communities.

"Health equity is increasingly a priority within public health and medicine. Health is now being recognized as a fundamental human right," McBride said. "From that perspective, efforts to eliminate health disparities are critical to ensuring that every human has the opportunity to enjoy health."

Health disparities result from multiple factors, including poverty, environmental threats, inadequate access to health care, individual and behavioral factors, and educational inequalities. These differences are directly related to unequal distribution of social, political, economic and environmental resources.

"Historically, the groups that have had to bear the largest portion of the burden of disease and disability have been poor and marginalized communities. When we look at northwest Ohio, we see the same trend," McBride said. "Our mission is to address the underlying issues that contribute to

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Online courses

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and designed by Christopher Prevette, instructional designer.

The other course is the Learning Ventures Online Teaching Certificate, developed by Phoebe Ballard, senior instructional designer and coordinator of special projects, and Dr. Mingli Xiao, senior instructional designer. Xiao and Ballard also were winners of a Blackboard Catalyst Award for Exemplary Course last summer for this class.

"We work so closely with faculty in helping them to build their online courses," Ballard said. "By participating in the Quality Matters certification process as faculty, we are able to communicate the value of that process more effectively."

In the last decade, the numbers of online classes at UT have more than doubled. Just this semester, there are more than 12,700 enrollments in 531 different online courses. It's no doubt there is

quantity, but Quality Matters allows UT to focus on the value of these courses.

"Our goal in adopting Quality Matters was to make sure that we're hitting key benchmarks in the development of quality online learning experiences for students," Ballard said. "Ultimately, it comes down to the student."

There are more than 800 institutions affiliated with the Quality Matters program, and Ohio has the largest statewide consortium with 65 member institutions. UT became a part of the Ohio Learning Network's Ohio Quality Matters Consortium in 2011.

The review process through Quality Matters begins with a look at Course Overview and Introduction, Learning Objectives, Assessment and Measurement, Instructional Materials, Course Activities and Learner Interaction, Course Technology, Learner Support, and Accessibility and

Usability. Within these eight standards are 43 specific standards that further break down what an online course needs to be effective.

"The rubric was developed using literature on online learning," said Peter You, director of instructional design and development. "It's supported by that literature and research."

Each standard is worth a certain number of points based on how thoroughly the course meets those requirements. The total amount of points possible is 99, which is the score both UT courses received.

"Even though I received 99 out of 99 points, the review that I got back was phenomenal," Kopp Miller said. "We still went back and made a lot of changes and enhancements."

Kopp Miller said she's hoping to have five to seven courses peer-reviewed this semester. Faculty who wish to have their

courses reviewed can either use the Quality Matters self-review system or submit their courses for official review.

"From an instructor and designer point of view, it's a good starting point to use Quality Matters," Xiao said. "Using the Quality Matters standards helps create a successful student learning experience."

Priority is given to courses that are recognized as general education classes, large enrollment courses, master classes, required courses of fully online programs and to faculty who have completed Quality Matters training.

Those who wish to be trained as a Quality Matters peer reviewer or have their online courses reviewed can do so by contacting their instructional designer. UT currently has 14 certified peer reviewers.

If you are unsure who your instructional designer is, visit utoledo.edu/dl/faculty/consultations.html.

Geriatric Medicine Symposium set for Feb. 27

Learning to care for the growing number of aging adults will be the topic of the 19th annual Geriatric Medicine Symposium.

“Palliative Care and the Older Adult” will be discussed Friday, Feb. 27, from 8 a.m. to 4:15 p.m. in the Hilton Garden Inn at Levis Commons in Perrysburg.

The symposium will focus on methods used to identify when treatment changes from curative to palliative care; use of pain and symptom management medications and remedies; and communication tools to improve end-of-life conversations with patients and their families.

Continuing medication education credit is available at the program, which is sponsored by The University of Toledo College of Medicine and Life Sciences, UT Department of Public Health and Preventive Medicine, UT Center for Successful Aging, UT Center for Continuing Medical Education, Ohio Geriatrics Society, and Hospice of Northwest Ohio.

Family doctors, internists, nurses, geriatricians, physician assistants, social workers, counselors, psychologists, physical and occupational therapists, nursing home



administrators, and health-care professionals who work with elderly patients are encouraged to attend.

The cost of the program is \$90 for health-care professionals, \$70 for UT faculty and staff members, and \$25 for UT residents and students.

Friday, Feb. 20, is the deadline to register; go to cme.utoledo.edu.

For more information, call the UT Center for Continuing Medical Education at 419.383.4237.

Two UT leaders headed to University of Akron

By Jon Strunk

Two University of Toledo vice presidents will head east after accepting positions at the University of Akron last week.

Lawrence J. Burns, vice president for external affairs, is set to become UA vice president for advancement, in charge of enrollment growth, fundraising and the UA Foundation, civic and government relations, marketing and branding, alumni and donor relations, and community and business partnerships.

Dr. Godfrey Ovwigho, vice president for information technology and chief information officer, will be UA chief information officer in charge of the IT enterprise for the university and the medical center, including business systems, network and telecommunications, information security services, health-care informatics, and desktop engineering and administration.

“Larry has been an integral part of The University of Toledo — and before that the

Medical College of Ohio — for decades. And while Godfrey’s tenure has been shorter, he has had a strong impact on advancing UT’s technological infrastructure,” said Interim President Nagi Naganathan. “These are great opportunities, and they will be missed.”

Burns said the decision to leave Toledo was very difficult, but the opportunity to impact the University of Akron in so many ways drove his decision.

“Toledo has been home for [my wife] Judie and I for nearly 25 years, and we have made so many wonderful friends,” Burns said. “I believe much has been accomplished at UT to elevate the Rocket Nation brand on a national level, and I am proud of what external affairs and this University has achieved.”

Burns said the University of Akron offered the chance to put together all the skills he’d developed during his career into one position.

Fulbright

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College of Pharmacy and Pharmaceutical Sciences; Dr. Amanda Bryant-Friedrich, UT associate professor of medicinal chemistry; and Dr. Sharrel Pinto, division head and UT associate professor of health outcomes and socioeconomic sciences.

Sari attended with the help of funding from Dr. Sammy Spann, assistant provost for student engagement. At the conference, Abuhamdah presented a topic dealing with the use of extracted compounds from plants in neuropharmacology.

When Abuhamdah saw the Fulbright announcement in April 2013, she contacted Sari for help preparing a proposal for the scholarship so that she could join his research lab at UT. She was attracted to UT not only because she already had a contact here, but because the University offered research techniques she had not used before.

One technique is called microdialysis, which she uses to look at protein expression related to drug addiction, including alcohol. To do this, researchers extract fluid directly from the brain and then analyze its content using an electrochemical detection machine.

“When I go back to Jordan, I will use the techniques that I learned to progress my research,” Abuhamdah said.

The University of Toledo also will benefit from having Abuhamdah on campus this year. Though she may be learning new

techniques here, she also is passing on her knowledge to those who work with her, including Sari and the students in his lab.

Abuhamdah also helped Sari write a grant proposal for Qatar University to fund nicotine addiction research. She has helped him put together abstracts and collected literature, publication and techniques for the research.

She also has written a review article focused on treatments for nicotine addiction and will co-author at least two other publications from Sari’s laboratory.

“Ideally, if we get the funding from Qatar University, we can keep collaborating long term,” Sari said.

Doing research together and publishing will help both of their careers, adding to the already lengthy list of benefits they both receive from Abuhamdah studying here.

“In Jordan, it’s highly respected if you publish with someone in the U.S.,” Abuhamdah said. “And Dr. Sari is known in the field.”

For making the trip possible, they both would like to thank Dr. Ekhleif Tarawneh, president of the University of Jordan, Dr. Azmi Mahafza, vice president for scientific faculties affairs at the University of Jordan, and Alain McNamara, executive director at the Binational Fulbright Commission in Jordan.

In memoriam

D. Michael Collins, mayor of Toledo, died Feb. 6 at age 70. The Toledo resident was a visiting associate lecturer of criminal justice from 1999 to 2011. Collins also served as director of the Ohio Police Corps, a state academy funded by the U.S. Department of Justice. The UT alumnus received a bachelor’s degree in 1975 and a master of business administration degree in 1998.

Silvio “Sil” Cornachione, Mentor, Ohio, who coached the running backs during Toledo’s undefeated seasons from 1967 to 1970, died Feb. 7 at age 87.

Dr. Robert E. Forche, Toledo, a member of the Satellites Auxiliary who volunteered in the Pastoral Care Office at UT Medical Center, died Feb. 7 at age 83. He received a bachelor’s degree in pharmacy from UT in 1953.

Dr. Gloria R. Freimer, professor emerita of library administration, died Feb. 6 at age 87. She joined the UT faculty as an instructor of composition and then became an education specialist in University Libraries in 1981. She was named coordinator of bibliographic instruction in 1990. Freimer served on several committees, including the University Authors Exhibit Committee. She received a doctorate in education from UT in 1982.

Dr. Charles F. Kahle, Perrysburg, an assistant professor of geology at UT from 1963 to 1965, died Feb. 7 at age 84.

Dr. Thaddeus W. “Ted” Kurczynski, Akron, a longtime faculty member at MCO, died Jan. 31 at age 74. In 1981, he joined the Department of Pediatrics as an associate professor with a joint appointment in neurosciences. He added a joint appointment in obstetrics and gynecology in 1987. Kurczynski was promoted to professor in 1994 and added another joint appointment, medicine and pathology, in 1996. He retired from the University in 2006.

UT students hosting Project Prom Dress

By Cassandra DeYoung

The Catholic Student Association at The University of Toledo is collecting prom dresses to give to students in Toledo Public Schools.

“The idea came to me while I was still in high school,” said Grisoranyel Barrios, a sophomore majoring in political science and social work. “After all of my dances, I would donate my dresses, no matter how much I loved them. I always figured some girl would give it another amazing night out. After all, it was just going to sit in my closet for years because the likelihood of me wearing it again was close to none.”

Dresses and accessories can be dropped off Friday, Feb. 20, from 9 a.m. to 5 p.m. at Corpus Christi University Parish, 2955 Dorr St.

Alternate drop-off or pick-up times can be scheduled with Barrios for those who can't come on this day.

“As a former high school student, I know how difficult it was to try to find a dress that would be nice enough for prom and was affordable for my mom to purchase,” Barrios said. “It always blew my mind that some girls would spend \$400 for a dress and my family could hardly afford to pay \$80.”

Students from Toledo Public Schools can pick out a dress Sunday, March 1, from 10 a.m. to 3 p.m. in the Student Union Auditorium.

Cash donations will be accepted.

“All the donations we collect from this event will be donated to the Daughter Project, which is a local organization that rescues young girls from sex-trafficking situations,” Barrios said.

For more information or to schedule an alternate drop-off or pick-up time, contact Barrios at grisoranyel.barrios@rockets.utoledo.edu.

Student-athletes earned 3.174 GPA fall semester

By Paul Helgren

UT student-athletes earned a grade point average of 3.174 fall semester. It is the 12th consecutive semester in which UT student-athletes earned a combined GPA of 3.1 or higher.

Additionally, 13 UT sports earned team GPAs of 3.0 or above.

Individually, 32 student-athletes earned a perfect 4.0 GPA, while nearly 38 percent (144 of 380) garnered at least a 3.50 GPA, and 63 percent (241 of 380) achieved a 3.0 grade point average or better for fall semester.

Women's soccer had the highest team GPA at 3.694, the highest semester GPA ever recorded by a UT sport. Baseball had the highest GPA for a men's team with 3.421.

“Congratulations to our student-athletes for another outstanding semester in the classroom,” Vice President and Athletic Director Mike O'Brien said. “Though we've come to expect this kind of academic performance at UT, we should never take for granted the hard work and commitment it takes to achieve these kinds of results. And, of course, we should also recognize the major roles played by the coaches, athletic department academic staff and University faculty members in supporting and

nurturing the pursuit of academic excellence by our student-athletes.”

Toledo 2014 Fall Semester Team GPAs (3.0+)

Women's Soccer	3.694
Softball	3.487
Women's Tennis	3.461
Women's Golf	3.432
Baseball	3.421
Women's Swimming	3.417
Women's Cross Country	3.370
Volleyball	3.328
Women's Basketball	3.290
Men's Cross Country	3.254
Women's Track	3.205
Men's Golf	3.172
Men's Tennis	3.125

UT documents from 1885 discovered in storage

By Samantha Watson

While cleaning out one of The University of Toledo's document storage areas, staff members found dust, boxes and even frogs — but that's not what really caught their attention.

“I saw a box,” said Tina Patrick-Redd, UT senior processing financial analyst. “A brown box that was different from all the others.”

Inside the box, Patrick-Redd found University documents dating back to the late 1800s and early 1900s, when the University was just getting started. When she saw names like Jesup W. Scott, Edward Drummond Libbey and Albert E. Macomber, she knew she had found something important.

Patrick-Redd first showed the two students that were helping her organize — Logan Griesinger, who is studying professional sales and marketing, and Sarah McNutt, who is majoring in new media design. She then told others in her department about the find.

Toni Blochowski, executive assistant to the vice president for finance, suggested archiving the documents in the Ward M. Canaday Center for Special

Collections. Blochowski helped Patrick-Redd set up a meeting with Barbara Floyd, director of the center.

“It was a wonderful find. Among the items they discovered was the first annual report of the Toledo Manual Training School of Toledo University from 1885,” Floyd, who is also university archivist, said. “The Manual Training School was a unique educational idea where students attended academic classes for half the day and vocational training classes for the second half.”

Floyd said the idea was that such education would not just educate the head, but also the hand, and make for a well-rounded person. Students took classes in subjects such as woodcarving, carpentry, welding, domestic science (more commonly known today as home economics) and also classes in history, literature, geography and political science.

University archives did not have any of these documents, which made these materials even more important.

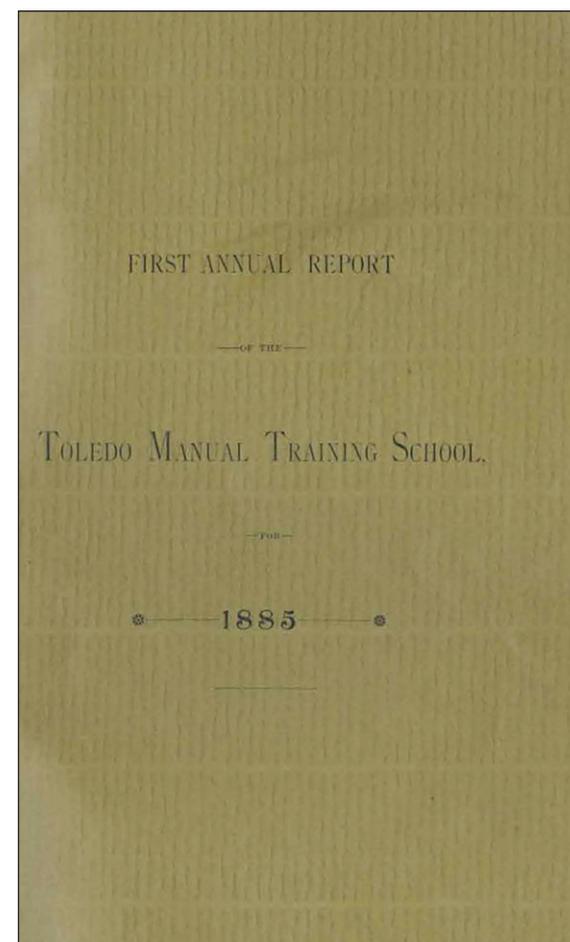
After countless hours of organizing and cleaning since last April, Patrick-Redd, McNutt and Griesinger are happy to have been a part of this important discovery.

“We're honored because we were able to find a part of UT's history,” Patrick-Redd said.

Instead of being left to the elements of a warehouse, the collection was added to the Canaday Center's climate-controlled archives. There, it joins the rest of the University's collection of historical documents, which are available for viewing by the public in the center.

“I just think it's cool that it's something that's going to be around for a while longer,” McNutt said. “Now that it's been found, it's going to be taken care of properly and preserved so that other people can see it.”

The documents have been scanned and can be viewed electronically from the Canaday Center's electronic archives at <http://utole.do/archives>.



Shakespearean comedy 'Twelfth Night' up next

A little midsummer madness will warm up winter when the UT Department of Theatre and Film present Shakespeare's "Twelfth Night" this month.

Cornel Gabara, UT associate professor of theatre, will direct the production. He has extensive experience acting in and directing the bard's work.

He said the humor of "Twelfth Night" reflects the timeless search for love and how appearances can be comically deceiving.

A shipwrecked Viola, believing herself alone in the world, dresses as a man in order to earn a living. Humorous and inevitable complications arise when she falls in love with a man who doesn't know she's a woman, and a woman who thinks she's a man falls for her.

UT students appearing in the play will be Keely-Rain Battle as Antonio, Sarah E. Bittner as Maria, Davion T. Brown as Sir Toby Belch, Jeffrey A. Burden II as

Orsino, Richard A. Clever as second officer/ sea captain/priest, Ian Davis as Curio, Nicholas M. Finsel as first officer, Sarena K.M. Jackson as Valentine, Andrés A. Medina as Sir Andrew Aguecheek, Olivia M. Pierce as Olivia, Christina M. Pinciotti as Viola, Khara N. Sims as Fabian/ Fabiana, Cory R. Sprinkles as Malvolio, Nolan M. Thomaswick as Sebastian and Victoria L. Zajac as Feste.

The play will open Friday, Feb. 20, and run through Sunday, Feb. 22, and from Friday through Sunday, Feb. 27-March 1, in the Center for Performing Arts Center Theatre. Friday and Saturday performances are at 7:30 p.m.; Sunday shows are at 2 p.m.

Tickets are \$12 for general admission; \$10 for faculty, staff, alumni and seniors; and \$7 for students. They can be purchased online at utoledo.edu/boxoffice, by calling 419.530.2375, or by visiting the Center for Performing Arts Box Office.

Student artwork appearing on area digital billboards through February

In collaboration with Lamar Outdoor Advertising, the UT College of Communication and the Arts is displaying the work of some of its students on digital billboards in the Toledo area through February.

Barry Whittaker, UT assistant professor of art and coordinator of the project, said this is the third year Lamar Outdoor Advertising has invited art students to have their work displayed.

"This is a chance for them to share their artwork with the city and see it in a format not as frequently accessible by students and artists in other areas of the country," he said.

To see images in this year's exhibition, visit the online photo album UT Art Student

Billboards 2015 on the Art Department's Facebook page.

Student artists participating in this year's exhibition are Aaron Brandt, Nikka Geiermann, Kayla Kirk, Victor Lewis, Michael Miller, Abhishek Mutha, Shaun Nagle, Blake Ody, Grace Parr, Brandy Save, Rebecca Solomon, Michelle Trivisonno and Mark Yappueying.

Their works can be seen at Reynolds Road at Glendale Avenue, Anthony Wayne Trail at City Park Avenue, Alexis Road at Lewis Avenue, Monroe Street at Laskey Road, Byrne Road at Airport Highway, and Monroe Street at Douglas Road.

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to
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Sundays at 2 p.m.

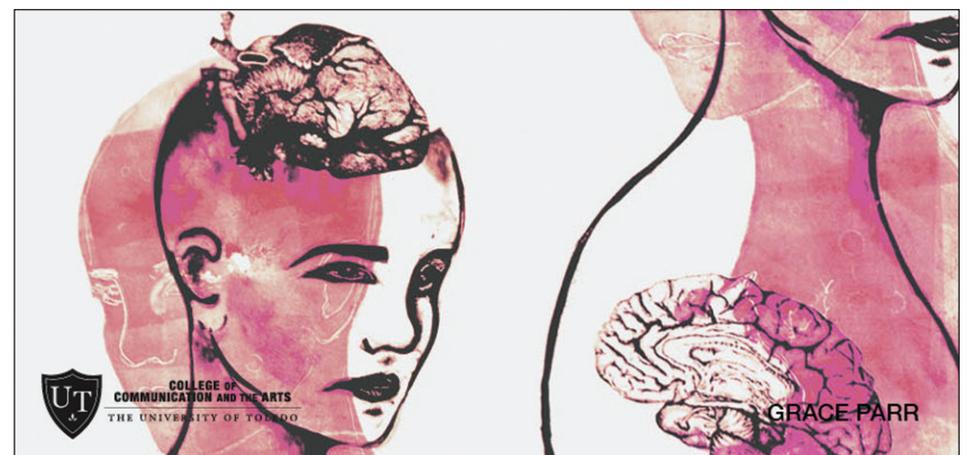
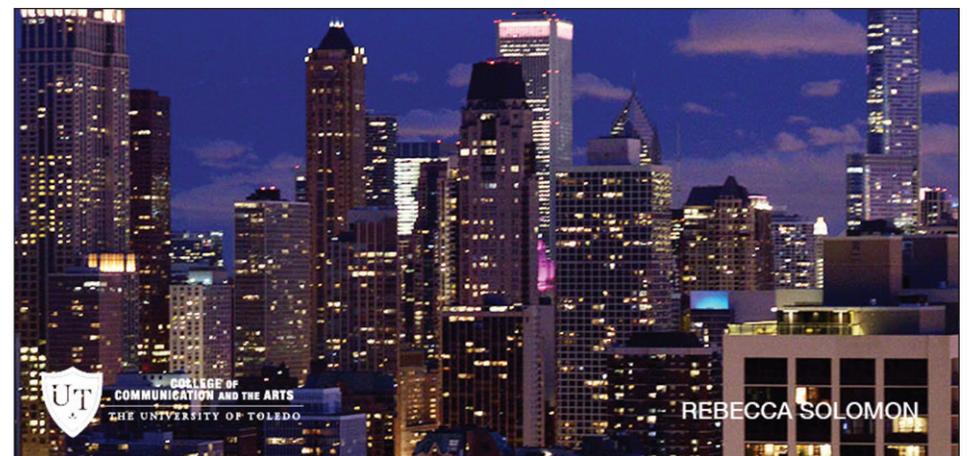
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University sets goals for sustainability in new plan

By Samantha Watson

At the University, blue and gold continue to make green with UT's new sustainability plan.

After two years of collecting data, researching and collaborating, the plan is ready for action and focuses on four major goals: active engagement; energy and water efficiency and conservation; zero waste; and carbon neutrality.

"We wanted to create a large plan that would guide our actions for the next several years," Brooke Mason, UT sustainability specialist, said. "And we're hoping it will be an evolving plan that will constantly be looked at and revised."

The first goal, active engagement, focuses on getting the campus population involved with the University's sustainability practices. Engagement will be tracked by the percentage of UT's population that the Sustainability, Energy Efficiency and Design (SEED) Initiative interacts with directly.

SEED's goals are to increase engagement by 10 percent by 2020, 20 percent by 2025, 30 percent by 2030 and 40 percent by 2035. Some projects already involve the campus community, including BlackoUT, a residence hall energy competition, and Friday Night Lights, where student volunteers turn off lights in academic buildings each week.

"I think the biggest part of the plan is the engagement piece," Mason said. "I hope that by using our partnerships and getting more students involved, we can make a significant change on campus."

The second goal is energy and water efficiency and conservation, which involves reducing energy use, increasing the use of renewable energy, reducing water consumption, and increasing the use of grey water, which is wastewater that is clean enough to be recycled onsite and used for things such as toilet flushing.

Along with decreasing energy use, UT is hoping to expand its use of natural sources of energy like wind, photons and earth-generated thermal energy transfer. The University already uses a cogeneration plant at the Computer Center, steam and chilled water lines, natural gas, solar panels, and wind turbines.

Goal three is zero waste, which is defined as diverting 90 percent or more of the solid waste generated on campus from landfills through recycling, repurposing, reusing and composting. In the plan, UT wants to achieve this goal by increasing recycling on campus by 2 percent annually,

increasing item reuse, and decreasing excess purchasing.

According to the plan, diverting waste from landfills is not only environmentally responsible, but economically beneficial for the University. When solid waste is no longer going to a landfill, UT no longer has to pay for that service, saving thousands of dollars.

Last year, Rocket Recycling increased the University's recycling rate from 14.7 percent to 18.2 percent and brought in \$38,000. The University also created five student jobs and one full-time job for recycling on campus and installed 11 water bottle refill stations.

The fourth and final goal is carbon neutrality, which is defined as having no net greenhouse gas emissions. The University will accomplish this by reducing greenhouse gas emissions by 2 percent annually, reaching carbon neutrality by 2058.

Several projects — many of which are in progress — will help the University to accomplish these four goals.

Over time, the goal of expanding the bicycle-sharing program is to help reduce the need for the bus loops, which operate for approximately 122 hours each week during spring and fall semesters. Replacing 17 vehicles of the UT fleet with newer, more efficient models also will reduce emissions.

Over the summer, UT replaced four boilers in Savage Hall, reducing carbon emissions by 566 metric tons and saving the University more than \$128,000 each year. Improving the efficiency of the steam system would cut costs of basic maintenance and prevent leaks, saving more than \$122,000 annually.

Each year, the University generates approximately 219 tons of food waste that can be composted and used to replace the current synthetic fertilizer used on campus.

Last summer, UT replaced the lighting fixtures with more efficient lighting throughout the University, which will save more than \$116,000 each year and reduce metric tons of carbon dioxide by 1,478.



The SEED Initiative



The University of Toledo's SEED Initiative, housed within but not limited to Facilities & Construction, focuses on Sustainability, Energy Efficiency, and Design to ensure the University is operating in a manner that better our neighbors, economy, and planet. Through environmental sustainability projects, energy conservation measures, innovative building renovation and design, and a comprehensive educational campaign, SEED commits itself to leaving behind a better planet than when we started.

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<p>WELCOME</p> <ul style="list-style-type: none"> Home Facilities & Construction UT Sustainability Policy Student Involvement & Resources Faculty/Staff Resources Community Resources Meet the SEED Team Current SEED Projects <p>IN THE SPOTLIGHT</p> <ul style="list-style-type: none"> Recycling competition set to begin Feb. 1 New bins to be used for trash, recycling Iowa legislator to speak on climate change UT revamps Rocket Recycling program Students to present climate action and cost reduction plan UT Improves in national recycling competition Talk on the ethics of addressing climate change Electronics recycling drive to be held at UT March 22 County Sustainability Commission asking for input 	<div style="background-color: #0056b3; color: white; padding: 10px; text-align: center; margin-bottom: 5px;"> PRESIDENTS' CLIMATE COMMITMENT </div> <div style="background-color: #0056b3; color: white; padding: 10px; text-align: center; margin-bottom: 5px;"> ENERGY MANAGEMENT </div> <div style="background-color: #0056b3; color: white; padding: 10px; text-align: center; margin-bottom: 5px;"> RECYCLING & WASTE </div> <div style="background-color: #0056b3; color: white; padding: 10px; text-align: center; margin-bottom: 5px;"> BUILDINGS & LANDSCAPES </div> <div style="background-color: #0056b3; color: white; padding: 10px; text-align: center; margin-bottom: 5px;"> TRANSIT </div> <div style="background-color: #0056b3; color: white; padding: 10px; text-align: center; margin-bottom: 5px;"> DINING </div> <div style="background-color: #0056b3; color: white; padding: 10px; text-align: center; margin-bottom: 5px;"> WATER QUALITY & CONSERVATION </div> <div style="background-color: #0056b3; color: white; padding: 10px; text-align: center; margin-bottom: 5px;"> PURCHASING </div> <div style="background-color: #0056b3; color: white; padding: 10px; text-align: center;"> UT STUDENT GREEN FUND </div>	<div style="font-size: small; margin-bottom: 5px;"> AASHE <small>Error: Feed failed! Causes may be (1) No data found for RSS feed http://www.aashe.org/blog/rss.xml: (2)</small> </div> <div style="font-size: small; margin-bottom: 5px;"> Journals Feed RecycleMania Starts Sunday! </div> <div style="font-size: small;"> SEED Event Calendar Community Electronics Recycling Drive </div>
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Other projects include a heating, ventilating and air conditioning reduction (HVAC) policy, installing new HVAC sensors, building a solar field on Health Science Campus, creating and implementing student and faculty-led initiatives, toilet and urinal retrofits, a carpool program, paper use reduction, recycling and composting programs, and education.

Though organized by SEED, the plan could not have come to fruition without citywide collaboration, Mason said. Primary contributors include Facilities and Construction, Transit Services, civil engineering and sustainability engineering

classes, the Student Green Fund, and the city of Toledo.

"I couldn't have done it without the help of the committee and my student interns," Mason said. "These are really lofty goals, but if we work together even accomplishing half of them, we will have made a huge impact on the University and our environment."

To learn more about sustainability at The University of Toledo or to get involved in the goals of the plan, visit utoledo.edu/sustainability.

UT offers Saturday Morning Science programs

By Cassandra DeYoung

The University of Toledo's College of Natural Sciences and Mathematics will host Saturday Morning Science programs.

The free, public lecture series will cover a diverse range of scientific topics and feature tutorials, demos and hands-on activities.

"We look for presenters who will relate the topic in a way that is accessible to the general public; we try not to bring in people who will give a PhD-level talk," said Dr. Joseph Schmidt, UT associate professor of chemistry and program co-organizer.

"Our attendees range anywhere from middle school, high school, undergrads to retirees, some of whom have been coming for eight consecutive years," Schmidt said. "We get between 100 and 120 people showing up almost every time."

All programs will start at 9:30 a.m. and take place in Wolfe Hall Room 1205 on UT's Main Campus.

Listed by date, topics and speakers are:

- **Feb. 21:** "Computable Numbers: Algorithms and Complexity From Ancient Iraq to Modern Particle Physics" with Dr. Paul Hewitt, associate professor in the UT Department of Mathematics and Statistics.
- **Feb. 28:** "Improving Water Quality for Maumee Bay — Restoring Ecosystems for Health and Fun!" with Dr. Daryl Dwyer, associate professor in the UT Department of Environmental Sciences and director of the Stranahan Arboretum.

- **March 21:** "Natural Polymers From Fungi Used as Glues: Reducing Global Pollution by Plastics and Other Petroleum Derivatives" with Julian Hadley, ecologist and data analyst at Ecovative Design LLC.
- **April 18:** "Exoplanets: The Discovery of Alien Worlds and Habitable Planets" with Dr. Steve Howell, project scientist for the NASA Kepler Mission at NASA Ames Research Center.
- **May 2:** "Animals Conservation in a Modern Age: Presented With Animal Ambassadors" with Steve Oswanski, children's zoo manager at the Toledo Zoo.

"Our goal is to invite presenters from a variety of fields so that we have fresh topics every year," said Dr. John Bellizzi, UT associate professor of chemistry and program co-organizer.

"One of our most popular guests is zookeeper Steve Oswanski from the Toledo Zoo; he will be returning this year, and he always brings several of his animal friends," Bellizzi said. "It's been an opportunity for people, especially kids, to get up close and personal with animals that they may have never seen before."

A light breakfast prior to the program will be provided.

Free parking is available in area 13 and the west parking ramp.

For more information, visit the Saturday Morning Science Facebook page at facebook.com/SaturdayMorningScience.

UT Federal Credit Union offers \$5,000 in undergraduate scholarships for members

The University of Toledo Federal Credit Union is giving 2015 high school graduates or any current college student the opportunity to win scholarships for the 2015-16 school year.

There will be three scholarships granted within the \$5,000 limit: \$3,000 for first place, \$1,500 for second place, and \$500 for third place.

In order to qualify, the applicant must be a member of UT Federal Credit Union in good standing, be a high school student expected to graduate in 2015 or a college student who has graduated from high school within the past three years, and planning to pursue an undergraduate education at least part time.

Eligible participants must complete an essay in 500 words or fewer in response to the question: "Describe a current event and propose the solutions you would suggest to improve or resolve the current issue, such as health care, the economy, discrimination, or another topic of your choice."

All essays will be judged by the board of directors on originality, grammar, attention to detail and specific examples.

The entry deadline is Friday, March 13.



Winners will be announced Tuesday, March 31, and be recognized at the credit union's annual meeting Friday, April 10.

The application can be printed from uoftfcu.com through the scholarship information link on the left side of the page.

Essays and applications should be mailed to: Scholarship Selection Committee, UT Federal Credit Union, 5248 Hill Ave., Toledo, OH 43615.

Locations for the credit union include Student Union Room 3019 on Main Campus and Mulford Library Room 013E on Health Science Campus. The main office is located at 5248 Hill Ave.

For more information, contact Kara Mominee, marketing manager, at kara.mominee@utoledo.edu.

Health Disparities Research Collaborative

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disparities through collaborative, community-engaged research and practice."

Aside from research initiatives, a significant focus of the Health Disparities Research Collaborative is the training and mentoring of future public health researchers, teachers and practitioners to prepare the next generation of professionals to adequately respond to critical issues in public health.

McBride and Singh are working to bring together faculty, graduate students and community-based organizations with plans to include undergraduate training opportunities in the future.

"Right now, our country is in crisis when it comes to the health status of the

population," McBride said. "The field of public health is supposed to be committed to improving social justice, which means that anyone who is working in the field should be making efforts to address health disparities and health equity."

"Our perspective with the Health Disparities Research Collaborative is that bringing together people with diverse perspectives, skills and experiences improves our chances of making a meaningful contribution to these efforts," Singh said.

For more information, visit utoledo.edu/healthsciences/depts/health_rec/healtheducation/HDRC.html.

UTNEWS

UT News is published for faculty, staff and students by the University Communications Office weekly during the academic year and periodically during the summer. Copies are mailed to employees and placed in newsstands on the Main, Health Science, Scott Park and Toledo Museum of Art campuses. UT News strives to present accurate, fair and timely communication of interest to employees. Story ideas and comments from the UT community are welcome. Send information by campus mail to #949, University Communications Office, Vicki Kroll. Email: vicki.kroll@utoledo.edu. Fax: 419.530.4618. Phone: 419.530.2248. Mailing address: University Communications Office, The University of Toledo, Toledo, OH 43606-3390.

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PHOTOGRAPHERS: Crystal Hand, Daniel Miller
CONTRIBUTING WRITERS: Amanda Benjamin, Kevin Bucher, Meghan Cunningham, Cassandra DeYoung, Kim Goodin, Lindsay Mahaney, Aimee Portala, Samantha Watson
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UT slates events for Engineers Week

“Engineering New Horizons” is the theme of 2015 Engineers Week.

The University of Toledo College of Engineering, the UT Engineering Council and several student groups have activities scheduled to celebrate Monday through Friday, Feb. 23-27.

“Each year, Engineers Week celebrates the many contributions of engineers to society,” Dr. Steven LeBlanc, interim dean of the UT College of Engineering, said. “From cell phones to automobiles, from clean burning fuels to medical devices, engineers are involved in producing most of the things we use on a daily basis. Engineers improve lives and make the world a better place.

“Our UT College of Engineering produces top-notch engineering graduates, and Engineers Week allows us to showcase our students. It gives us an opportunity to engage the community and local students in some engineering-related activities.”

Listed by date, events will include:

MONDAY, FEB. 23

- Engineers Week Kickoff, 11:30 a.m., first floor of Nitschke Hall. Stop by for a free slice of pizza and sunglasses.
- Minute to Win It, noon, first floor of Nitschke Hall. Students will race to complete a series of tasks in the least amount of time.
- Jeopardy, 2 p.m., Nitschke Hall Room 1027. Students will test their engineering knowledge.
- Egg-Drop Contest, 3 p.m., first floor of Nitschke Hall. Students will test their small, lightweight containers designed to protect a raw egg dropped from successive heights.
- Straw Tower, 4 p.m., North Engineering Building Room 1022. Students will attempt to build the tallest straw tower.
- Corn Hole Tournament, 6 p.m., Nitschke Hall Auditorium.

TUESDAY, FEB. 24

- Engineer for a Day, 9:30 a.m., Nitschke Hall. Area high school students will visit the University to tour engineering facilities. After a luncheon on campus, the students will shadow professional engineers in the community.
- Tug-of-War, 1 p.m., first floor of Nitschke Hall. Students and faculty

members will see who has more pull.

- Bingo, 3 p.m., North Engineering Building Room 1022.
- Homemade Ice Cream, 4 p.m., first floor of Nitschke Hall. Who knew an endothermic reaction could make such a tasty treat? Stop by to make some frozen goodness in less than 15 minutes.

WEDNESDAY, FEB. 25

- Engineering Career Expo, 12:30 to 4:30 p.m., Nitschke Hall. UT engineering students and alumni may register to attend this event, where some 130 companies will have representatives on hand to recruit employees.

THURSDAY, FEB. 26

- Life-Size Jenga, 11:30 a.m., first floor of Nitschke Hall. Try your skill removing wood blocks and building a tower.
- Static Cling Challenge, 12:30 p.m., first floor of Palmer Hall. Students will use static electricity to see how many balloons will stick to them.
- ChmE Crosswords, 1 p.m., Nitschke Hall Room 1027. Crossword clues will be based on concepts from chemistry and chemical engineering.
- Putt-Putt Golf, 2 p.m., first floor of Nitschke Hall. Student organizations

will tee it up and design challenging miniature golf holes.

FRIDAY, FEB. 27

- Rube Goldberg Competition, noon, Thomas and Betsy Brady Innovation Center. Student teams will construct the most creative and complex contraptions with more than 20 steps to complete a simple task.
- Build a Bridge, 2 p.m., Thomas and Betsy Brady Innovation Center.

Students will build bridges using toothpicks and white glue, then test the bridges by adding weight until the structure fails.

For more information, contact Jon Pawlecki, director of student services in the College of Engineering, at jon.pawlecki@utoledo.edu or 419.530.8045.

Engineering New Horizons

Join us in celebrating the engineers who make the world a better place.

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