

the Collegian

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Bob Jones University, Greenville, SC 29614

Shakespeare drama features female cast

10/16
2020

Katie French

STAFF WRITER

An all-female cast from BJU's theatre department will finally get to showcase their work from last semester, Shakespeare's *Measure for Measure* on Oct. 16 and 17 at 6:30 and 9 p.m. in Rodeheaver Auditorium.

This production was originally scheduled for last spring, but the performance was delayed due to COVID-19. The re-schedule and changes in protocol due to the pandemic have provided a challenging yet exciting experience for those involved as there have been role and blocking changes.

Theatre department head and director of *Measure for Measure*, Dr. Erin Naler said



In Shakespeare's original play, only men and young boys were legally allowed to act. Photo: Lindsay Shaleen

the cast put on a spontaneous performance in March right as the academic year pivoted to online instruction. A few seniors from the class

of 2020 had roles in *Measure for Measure* to fulfill their capstone, so Dr. Naler still wanted to provide them the opportunity to act.

As the fall 2020-21 academic year started, a few of the roles had to be recast to

See **MEASURE** p.6 >>

Public Safety highlights protocols after CVS fatality

Olivia Thomas

STAFF WRITER

After a man was fatally shot Oct. 5 in the parking lot of CVS just a few blocks from BJU, Public Safety has encouraged students to review safety procedures for active shootings.

Public Safety sent a campus-wide notification to warn students of the active crime scene and advise them to stay on campus or at least avoid that area. The emergency notification system is designed to alert students, staff and faculty to multiple emergency situations that may occur on campus and deliver serious information as quickly as possible.

Public Safety provides more information on handling



Police were called to the CVS pharmacy on North Pleasantburg Drive around 6 p.m. on Oct. 5.

Photo: Mark Kamibayashiyama

emergency situations on the BJU Intranet under the Emergency Procedures tab, including an emergency response manual and a training video

titled "Shots Fired on Campus." Students can also update their emergency contact notification information through the Intranet.

The Greenville County Forensics Division, a branch of the Greenville County

See **SAFETY** p.3 >>

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THE WEEK

Culinary Arts Bistro & Bakeshop

The culinary arts department is opening the Bistro and Bake-shop from 4:30 to 6 p.m. today in the Culinary Arts building, featuring a menu of soups, salads, sandwiches and desserts.

Trumpet and Tuba-Euphonium Choirs Recital

BJU Trumpet and Tuba-Euphonium choirs present works from their repertoires in Stratton Hall Saturday at 1 p.m.

Faculty Forum Series

The first faculty forum, "Cancel History," will be held at 7 p.m. in Stratton Hall on Tuesday, Oct. 20.

Debate Workshop

A workshop will be held by communication department faculty member Jeanine Aumiller on Thursday, Oct. 22, at 7 p.m. in Alumni 210 for students interested in joining a debate team.

You won't be catching "zzz's" with this professor

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Study a broad selection of Study Abroad programs

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Healing from injuries is a painstaking process

p. 7

Greenhouse helps students be "leaf" in their abilities

p. 8



Comic: Susy Castle

COLUMN



Jewel Schuurmans
EDITOR-IN-CHIEF

"Just remember, Mom, 'you can do all things through Christ which strengtheneth you,'" he said, his little face twisting in a smile. His lisp made me chuckle as I filmed him on my phone and watched him flex his 5-year-old arms in front of the camera. We had been waiting all day to hear if his mom, my sister, had had her baby yet, and Cedric wanted to send her an encouraging video.

Early that morning when he came sleepily downstairs to hear she was in labor, we danced around the room to celebrate. He showed me the

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The Collegian Editorial
Discern the truth about dishonesty

Especially with the 2020 presidential election looming, public opinions are a tangle of pointed fingers obsessed with the exposure of hypocrisy. College students are inundated with the media obsessing over alleged deception tied to President Trump's taxes, former Vice President Biden's autonomy or ballot voting in general. In tandem, the claim to unbiased reporting by the media itself is under fire.

Beyond national media circles, the questioning of honesty hits personal lives. During the pandemic, many college students are taking proctored tests at home to prevent cheating. But on social media, it's entertainment to not only flaunt cheating methods but also make comedy bits on deceiving parents.

Christians must learn both how to discern dishonesty in the world and how to guard against it in their own lives.

The first lie in the Garden of Eden set a rampant precedent of dishonesty throughout the human race. Abraham asked Sarah to lie about her relationship to him. Ananias and Sapphira, who lied about the way they used their money, and Peter, who lied about knowing Jesus, are also potent examples of dishonesty in the Bible.

Lies are so natural to our sinful state that they can slip out without our even knowing, especially in social situations. You know you're not really going to look up the website someone recommended. Do you actually remember who that person is? Even "white" lies can callous a heart against the Holy Spirit's prompting in more serious situations.

But not all dishonesty comes in the form of direct lies. Deceit is intentionally misleading someone to believe something that is not true,

even if you have not directly told an untruth in order to do it. Omitting a flaw when you sell something, positioning yourself to be an expert on an unfamiliar topic and cheating on a quiz are examples of deception. Jacob's sons deceived him into believing a wild animal had killed their brother Joseph by showing his bloody coat and answering his questions indirectly.

However, the easiest and perhaps the most dangerous form of deception isn't external. James 1:22 directly addresses self-deception, saying, "But be ye doers of the word, and not hearers only, deceiving your own selves." Deceiving yourself into believing you're right with God when you're not is a sin. Convincing your conscience that something is acceptable when it's not is a sin. James 1:8 says a double minded man is unstable in everything he does, and 1 John 2:4 says a person who says he knows God but doesn't do what God commands is a liar.

Dishonesty, whether a direct lie or conscious deception of others or yourself, dishonors God. Colossians 3:9 calls Christians to honesty now that lying has been put away with the old self. Proverbs 28:13 says, "He that covereth his sins shall not prosper: but whoso confesseth and forsaketh them shall have mercy."

Christians are called to come out from the sinful habits of the world. If you find yourself trapped in dishonesty, make it right with both God and man. Allow the Holy Spirit to guide your conscience by catching yourself in a lie and humbly correcting it in the moment. Directly address your wrongdoing with those whom you deceived, and examine yourself under Scripture to know if you are deceiving yourself.

TALKBACK

What's the best thing that's happened lately?

Elisabeth Tantillo
JUNIOR
"My friend brought his dog on campus. I was missing mine."

Felicity Faris
SOPHOMORE
"I went on a 5k with my sister last weekend."

Jared Jenkins
JUNIOR
"I had dinner with my pastor and a couple of guys last weekend."

Tari George
FRESHMAN
"I went cliff jumping, so that was fun."

Photos: Andrew Pledger

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outfit he had set out for his new baby brother and told me all about the toys they would share together. "But not yet," he said, tilting his head and raising his eyebrows. "He's not old enough yet, but soon! I'm going to teach him how to be strong." He started flexing on that last word, his favorite move.

Cedric has a way of loving the best in everybody he meets. I cheered while watching a movie and little year-and-a-half-old Cedric raised his fists, a goldfish cracker clutched in one, to cheer with me. What we were cheering for was irrelevant - to him, my cheer was reason enough.

When he was a toddler, he would wave to strangers, offering hugs to anyone who smiled back at him. A month ago, my sister texted me while I was gone from a family party to tell me Cedric had looked

around, sighed and said, "Isn't it sad to not see Jewel here?"

Since he was a baby, Cedric has absorbed my love, tripled it and radiated it back to me. Everything he does is saturated with passion. You start to think you can do anything when he looks at you with his sweet, closed-mouth smile pushing up his cheeks and his eyes so full of confidence and trust.

And yet, he has no idea the extent that he has changed me. When he jumps into my arms, he's unaware he's healing the pain from the day. He doesn't know whether his optimism and friendliness makes any difference to me; that's just who he is. When he turns 13, he'll be oblivious to the way his baby dimples opened my heart or the way his 4-year-old jumps made me forget the weight adulthood imposes. I thank the Lord that He uses so much of what my nephew does as avenues

for His tender mercies.

We don't always know the way we affect people. We don't see their hearts as God does, we can't feel their emotions as He feels or turn the river of their thinking as He can. Sometimes your impromptu smile to a stranger is what keeps them from losing hope that day. Maybe the respect you showed someone with a disability prompted someone else to think about their own awareness. Maybe someone saw you when you picked up a stray napkin to throw it away and was reminded of faithfulness in the little things.

Proverbs 20:11 says, "Even a child is known by his doings, whether his work be pure, and whether it be right."

We should realize two things: one, whether we are aware of it or not, our actions influence others. Two,



Cedric cuddles his baby brother, Spartan. Photo: Emily Mitton

God can shape those influences into instruments for His glory based on what is in the heart of others. Don't underestimate the power of your own actions and the Lord's ability to craft them as He wills, and keep your own heart ready to be redirected back to Him through the influence of those around you - even that of a child.



The suspected shooter has been denied bond. Photo: Mark Kamibayashiyama



Officer Bryan Stock is a sophomore. Photo: Mark Kamibayashiyama

>> From **SAFETY** p.1

Department of Public Safety, recorded 92 ballistics incidents and 143 armed robberies in a 2019 report. However, there have never been any active shooter cases on the BJU campus.

Active shooting situations are intense emergencies that can cause a lot of fear and confusion, but preparing appropriately for them will help students, faculty and staff to refrain from panicking in the event one does happen on campus.

If an emergency occurs on campus, Public Safety is ready to respond as quickly as possible. Student officers are not armed nor permitted to respond to violent situations, but full-time Public Safety staff are trained officers with many years of law enforcement experience. Those Public Safety officers regularly train with other agencies, including the Greenville County Sheriff's Office, to prepare themselves for emergency situations.

Until Public Safety or police can arrive and stop the situation, students may have to make quick life-or-death

decisions in order to keep themselves and those around them safe. The primary principle Public Safety recommends students follow is run, hide and fight.

First, students should run. If it is possible to evacuate the building or area without putting yourself in danger, then quickly leave the area and immediately call Public Safety or 911. Do not assume that anyone else is calling and continue to call even if the line is busy.

"We have to hear about it," Public Safety Chief Joseph Mulinix said. "Then we [can] respond to the violence as quickly as we possibly can."

If it is not possible to evacuate, the second thing students should do is hide. Find a room to hide in or remain in the room you are currently in. Lock and barricade the door, turn off any lights and silence any device that may draw attention to you.

If you are with other people, spread out and hide, do not stay close together. Stay quiet so the assailant cannot find you.

If the assailant manages to enter the room or students

find themselves confronted by the assailant, they need to fight. Throw objects at the assailant, rush at the person as a group and overpower them and fight back in any way possible until law enforcement arrives or safe escape is possible.

"This is a life or death situation," Mulinix said. "It requires absolute pushback or fight [to] resist the assailant."

Last, when law enforcement officers enter the situation, open your hands and lift them up so that the officers can see that you are not a threat. Answer any questions they may have and follow any instructions they give you.

These principles apply to both on-campus and off-campus situations. Mulinix said the dynamics of the situation change depending on the layout of the space students may be in, so it is a good idea for students to observe any building or room they enter to make themselves aware of all exits and entrances. The more students train themselves to be aware of their surroundings, the better prepared they will be to respond in an emergency.



Students can also contact public safety for help with car trouble. Photo: Mark Kamibayashiyama

FACULTY SPOTLIGHT

Mr. Z shapes student cinema

Johanna Huebscher

STAFF WRITER

It is freshman Abigail Serviss' first day of class. She finds her class, Introduction to Visual Storytelling, makes her way to her seat and pulls out her notebook. Suddenly a door slams and the room goes black. A booming voice echoes around the room, "In the beginning, God created the heaven and the earth."

"I knew [then] that it was going to be an epic class, and I was going to love it,"

Serviss said. The class professor, Christopher Zydowicz, nicknamed "Mr. Z," starts this class the same way every year. He chose to start the class this way to illustrate the idea of a story in everything, including the Bible. Zydowicz is a professor in the cinematic arts department, teaching five to six classes each semester and producing student projects.

"I've always liked and dabbled in film," Zydowicz said. "The ability to come to school and learn more about filmmaking was pretty cool, [as

well as] the ability to help students tell their stories through film." He has been teaching at

Zydowicz teach, she noted his energy and constant humor. "I didn't know anything he was

producer on the student projects, I make [students] pay attention to details and paperwork, [which is] something I hate," Zydowicz said. His advice for cinema students is to be diligent. "Work hard," Zydowicz said. "Be the first to arrive and the last to leave. Anticipate. Anticipate. Anticipate."

Zydowicz has had several notable experiences in the cinema field. Zydowicz has a *Toy Story 3* poster in his office from when he went to opening night at El Capitan Theater and went to the premiere party and the after-party. He had a friend who worked in animation who invited him to the event.

Zydowicz also visited the set of *Pirates of the Caribbean* where he talked to Johnny Depp. "I realized how short he is," Zydowicz said. "He's shorter than me." He has also met with Richard Sherman, one of the composers for *Mary Poppins*, and talked about the movie *Saving Mr. Banks*.

"It's things like spending time with Steven and Alex Kendrick and understanding their vision and passion for filmmaking," Zydowicz said. "This is an incredible field and sitting and talking to people and finding out their hearts . . . Connecting [with] people is one of the greatest things in this field."

Work hard. Be the first to arrive and the last to leave. Anticipate. Anticipate. Anticipate.

BJU for 26 years. He got his undergraduate and master's in cinema and video production at BJU after choosing to attend BJU on a campus visit. "I came down on a bus trip to visit the University and I thought, 'I'm coming to school here,'" Zydowicz said.

After Zydowicz graduated from his undergrad program, he wasn't sure what he wanted to do with his life. He went to Seoul, South Korea, for two years to teach fifth and sixth grade at a school for the children of diplomats and embassy workers.

When Zydowicz returned, he worked on his MA in cinema and video production and then started teaching at BJU. "It was the faculty that made a difference in my life and [I wanted] to have that same impact and help [the students]," Zydowicz said.

Freshman Holly Knighten said the first time she saw

talking about, but I was so excited to be there," she said. "[You could tell] just hearing him talk."

After several years of teaching, Zydowicz decided to further his education. He got his master's of fine arts in motion picture and television online from the Academy of Art University in San Francisco in 2011.

Zydowicz said his favorite part about his job is the students and the variety of projects.

"Each student is trying to accomplish something different with their film," Zydowicz said. "[I like] being the producer and helping them accomplish their goals." One example of a project that Zydowicz has helped with was BJUgrass's recent video performance.

Zydowicz's least favorite part of his job is the paperwork and details. "As the



Zydowicz wrote the script for Unusual Films' Project Dinosaur.

Photo: Caleb Olivero



Zydowicz's office features several posters, including one as a souvenir from the *Toy Story 3* opening night. Photo: Caleb Olivero

Study Abroad develops skills

Ashley Dougherty
STAFF WRITER

Whether studying communication or art, French or history, business or health, the BJU study abroad program offers opportunities for students to experience new cultures, learn about their passion hands-on and expose themselves to the vastness of the world.

BJU alternates each summer among various study abroad programs. This upcoming summer, BJU is hosting nine trips, an increase because of COVID-19 cancellations last summer. The Office of BJU Study Abroad offers courses in communication, business, art, French, health, science, history, music and Spanish.

The Office of BJU Study Abroad and Study USA has been an official department for two years. Dr. Jeremy Patterson, the chair of the Division of World Languages and Cultures, is the director of BJU Study Abroad and Study USA. Under Patterson's leadership and with the help of many faculty members, the program continues to grow.

Faculty members Dr. Amos Kasperek and Dr. Paul Radford and retired faculty member Marcy Wolsieffer are considered some of the pioneers of the BJU Study Abroad program.

Students sometimes have doubts about studying abroad, wondering why it is important or if it is worth it. "The biggest benefit of [studying abroad] from my perspective is intercultural development," Patterson said. While abroad, students are constantly exposed to different practices and traditions. "It's human nature to react negatively to difference, and as Christians specifically, that is not the reaction we want to have," Patterson said. "There is always commonality because we are humans. We are all made in God's image."

At BJU, Patterson said the professors and faculty want to intentionally train students to suspend judgment before trying to evaluate difference. "[Studying abroad] gives you a whole new perspective on whatever your academic studies involve," Patterson

said. "[It] allows you to see things that you only really talk about in a classroom."

Julie Estelle, a senior international studies major with a French minor, said, "Being able to study your topic in the culture it originated from is so invaluable." Estelle went to Paris with Dr. Patterson on the BJU French program in 2018. The group studied French history, architecture and culture.

One of Estelle's favorite memories was a day trip to Normandy. Estelle said, "I was able to go outside of Paris with three of my classmates to Normandy on D-Day. That was something that I will never forget." If students get the chance, Estelle recommends studying abroad because it helps you experience the adventure of knowing and interacting with what you're learning."

Estelle said Dr. Patterson emphasized spending time in the culture and in fellowship as vital to the study abroad trip. Homework and classroom time varied by week, but Estelle said Patterson evenly balanced academics

with experience.

One of the challenges for Estelle was trying to connect with her group. Because the group had to speak in French, Estelle said trying to express herself was challenging. "That was probably one of the hardest things about the trip for me," Estelle said. But at the end of the trip, Estelle could confidently say, "We really became a family."

Studying abroad is not just about the academics. Patterson said it allows students to see the breadth of Christian experience because we are very different around the world. For example, while on Dr. Patterson's trip to Paris, the students are serving one local church. They attend all of the services of a local French

Protestant church, providing testimonies and serving in ministries.

The biggest current concern for the study abroad program is the continuing effects of COVID-19. Patterson said, "The sort of thing we're anticipating is that they may require certain vaccines or testing before, during or after travels," Patterson said. If students want to study abroad this next summer, they must be willing to submit to whatever the government requires of them. "It won't be our decision; it will be the European Union's," Patterson said.

As the Study Abroad program continues to grow, the BJU community is excited to build new opportunities for students and watch them thrive in their field.



The 2019 Spain Study Abroad trip toured Madrid, Cartagena, Aranjuez and Toledo. Photo submitted



The 2019 France Study Abroad team stayed south of Paris. Photo submitted

STUDY ABROAD					
Division	Instructor	Credits	Date	Location	Price
Art + Design	Lewis Carl	3	5/19-6/3	Italy	\$5,200
Business	Robert Hucks	6	7/3-7/31	Portugal	\$6,800
Communication	Paul Radford	3	5/13-5/26	U.K.	\$3,900
French	Jeremy Patterson	6	5/17-6/18	France	\$4,600
Health Sciences	David Eoute Jr.	3	7/14-7/31	Switzerland	\$4,900
History-Paris	Linda Abrams	3	5/15-5/29	France	\$4,900
History-U.S.	Brenda Schoolfield	6	5/10-5/31	Eastern U.S.	\$4,800
Music	Laura Brundage	3	5/18-5/28	U.K., France	\$4,500
Spanish	Amos Kasperek	6	5/17-6/21	Spain	\$4,800

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fill the roles of the seniors who had graduated.

Junior nursing major Susan Smith, playing Claudio, went from having a few lines in her previous role to now acting in several scenes. She said she is grateful for the opportunity to hold a more major role than before. "[My character] is very young, somewhat impulsive and very passion driven in everything that he does," Smith said.

Senior theatre major Mary Conn, playing lead role Isabella, said changing roles from Claudio to Isabella has been a challenge. "My type cast is the opposite of who [my character] is," Conn said.

Naler sums up the play with the word forgiveness. The plot contains forgiveness over an uncomfortable act at the end that one would presume unforgiveable.

License and legalism serve as the two extremes that dictate circumstances. One ruler lets the people do whatever they desire, while the other firmly enforces all laws. Naler said the ultimate resolution falls on the lines of finding the middle ground. "There is always a third way to handle things," she said.

One element noted by a few of the actors in the play is the relatability of the plot. "It is surrounded by mercy, [and] my character represents mercy," Conn said. She also said the meanings

of the play are clearer due to the fact that it has been long rehearsed.

Another notable aspect of this drama is that the play consists of an entirely female cast. "We are telling [this] story as all women," senior theater major Elisabeth Scroggins said. She also said the play is very personal to her since she knows a lot of people who have been in similar situations to the ones depicted.

Naler said having an all-female cast provides an opportunity for more females to act, especially since theatre is a female-dominated major. It also falls consistently in line with Shakespeare's practice of casting all men.

Naler also said that an exclusive female voice adds another perspective to the story. "By giving the story to women to tell, it almost allows [the main issues] to be discussed a little bit more frankly," Naler said.

The design of the wicker set and costumes center primarily on the color white. Naler made this design decision because she wanted to convey fragile femininity. The setting as a whole falls under the theme of fantasy Victorian.

The audience should be on the lookout for several elements during the performance, including complex characters. Naler noted that there is a clown, whom when encountered, will likely make a person very uncomfortable.

The other thing to take note of is the aesthetic. Naler described it as a great plains aesthetic that looks like a horizon.

Both the director and actors encourage students to come see the production. Naler delves into even deeper meanings that come out of theater. "Theater is showing humans what humans do. . . It is reflecting who we are," she said. Naler said theater is intended to create empathy in us so that we may see ourselves and feel uncomfortable.

Each *Measure for Measure* performance seats 75 people. Tickets should be purchased in advance at the ticket office or at bjv.universitytickets.com.



Naler directs a rehearsal in Rodeheaver Auditorium. Photo: Lindsay Shaleen



The white wicker furniture staging elements intentionally symbolize femininity. Photo: Lindsay Shaleen



Mady Bell reviews her notes as Juliet, pregnant wife of Claudio. Photo: Lindsay Shaleen

sudoku

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Bruins heal in rehab, work to prevent future injuries

Abigail Vork

STAFF WRITER

BJU Bruins sports teams have protocols in place to prevent new injuries and catch injuries before they get worse to prevent major physical damage from occurring.

Ryan Sanders, head athletic trainer, who oversees athletes' health, safety and recovery, is employed by Bon Secours St. Francis Medicine but is contracted out to work with BJU's athletic department. He is in charge of rehabilitation for injured athletes.

Sanders is present for Bruins games so that if injuries occur, he is the first one to evaluate an injury. He determines whether the player can get off the field or in the case of a more serious injury, whether EMS needs to be called. There is a network of physicians that work with injured BJU Bruins.

The process of rehab for injured athletes sometimes involves outside rehab from a physical therapy clinic. Depending on the extent of their injury, students might just work on rehab with Sanders while others spend some time at a clinic before finishing rehab with Sanders.

Faith Rahn, sophomore Bruins volleyball player, landed wrong during preseason

of fall 2019. "I tore six ligaments and tendons and then sprained another one," she said. This injury prevented her from playing for the rest of the year.

An ACL injury typically takes six to eight months to heal, but for Rahn, it took close to a full year of almost daily therapy. A major injury for an athlete throws off more than just their life on the court. Being on crutches meant that Rahn had to leave a lot earlier to get to classes or other obligations.

A freshman at the time, Rahn did not know anyone coming into the academic year. "Everyone on the team was super supportive and just helping me along the way," Rahn said.

The mental aspect of the injury was more challenging than the physical part for Rahn, but she said she is thankful for the communication and support that came from teammates, coaches and trainers.

"[Now], it's definitely just trying to get used to it all again and playing with a team," Rahn said. "You need a lot of time to work through that."

A lot of what Sanders is involved in is the prevention of athlete injuries. Light taping helps prevent injuries.

Students stretch and roll out before practices. Women athletes are especially prone to tear their ACLs, so dynamic warmups to stretch out the quads for ACL prevention are often a part of pre-workouts. Each athlete has different needs, so they can tailor the time of stretching to what they need personally.

The volleyball players come 30 minutes early to warm up and stretch before practice.

"We make sure we're all loosened up so we don't get injured," Rahn said. Ankle braces are another preventative measure that volleyball athletes use.

In the case of a strain, the athletic trainer works with the athlete to build muscle strength in that area. "It's a lot of catching injuries early," Rahn said.

Another aspect of injury prevention is the ice bath. "Ice baths really help with muscle

fatigue and help get rid of the lactic acid that's inside the body from practice," Sanders said.

For the more topical recovery of shin splints or ankle sprains, athletes use slush buckets, which are a smaller version of ice baths.

Volleyball players use wraps to ice their shoulders and aid in muscle recovery. "We definitely need ice after practice, and it helps a lot honestly," Rahn said.



Ryan Sanders began working with the BJU Bruins in July 2020. Photo: Mark Kamibayashiyama



Bruins athletes use sports tape to prevent injuries. Photo: Mark Kamibayashiyama

HEALTH + WELLNESS Tips



Jonah Woo
Senior
Health Sciences

Food for Thought

What is the fuel that drives you? Is it the quick and easy fast food or that all-organic salad? What we put into ourselves affects the output that we have. Overloading on one type of food can have negative effects on your health and can make you feel subpar.

Diversity in food ensures that we have obtained all the micronutrients and vitamins that we need. When something is missing from our diet, our body must compensate for the loss. To perform at peak performance, don't forget to add some variety to your diet!



WHAT IS IT? | Greenhouse

Madison Floyd

STAFF WRITER

The greenhouse located near Omega Lake on back campus provides an environment where students can practice and learn necessary skills in research and biology as well as gain undergraduate experience for future careers in botany.

Jan David Green, a zoo and wildlife biology major and lab manager of the greenhouse, said he started working in the greenhouse because of his farming background and interest in plants. Due to COVID-19, Green could not return to his home in Zimbabwe and found his oasis in the greenhouse over the summer.

Green came into BJU as a premed student but said working in the greenhouse reminded him of his love for plants, so he switched

The sunshine, physical work and watering plants are therapeutic for me.

his degree to biology. Green cares for various plants such as different citrus trees, pine-apples, flowers and more. Several plants in the greenhouse have been growing for more than five years.

"The greenhouse is a controlled environment where

we can maintain a fairly constant temperature for the plants," Green said. "We grow a lot of tropical plants here and the faculty use a lot of it in the scientific departments for testing and for different observations."

Green said his favorite thing about the greenhouse is the isolation. "I grew up in Zimbabwe, so it feels like home," Green said. "The sunshine, physical work and watering plants are therapeutic for me." Green said the greenhouse has become his little corner of the University.

Dr. Vincenzo Antignani, a faculty member in the biology department and manager of the greenhouse, said the greenhouse is a place where different departments run different projects. These departments include engineering, physics, chemistry and cell biology.

Antignani said, "The



The greenhouse was constructed in 1995. Photo: Lindsay Shaleen

greenhouse is a hub where the whole Division of Natural Science is vested with experiential learning activities." Each department uses the greenhouse for specific research in their field. Students in these departments use the greenhouse for class projects to gain applicable skills towards their future careers. Most of these projects include growing plants and flowers and monitoring their growth over time. "Students learn how to fertilize, water and attend to the needs of different species of plants," Antignani said.

Antignani said the greenhouse is also a place where students can gain leadership and skills necessary in their desired field of work after their college careers. "A number of our students who get experience with us go into plant nursery or end up working in labs as lab technicians," Antignani said.

Constructed about 25 years ago, the greenhouse was not used for almost five years before Antignani was hired onto the faculty of BJU. Before, the greenhouse was used to house flowers and plants by the landscape department but over time the services that once were handled internally by BJU's facilities department were outsourced.

"One day, I was taking a walk and noticed that the greenhouse was empty," Antignani said. "I went to the dean and asked if I could utilize it for my classes because we learn about plant science." A year later, the science department began using the greenhouse, and since then, it's been a center for undergraduate research experience. Antignani said finding the greenhouse itself was a lesson that people can recycle or repurpose what they have

and make it more productive to current needs that change over time.

Dr. Wencong Lai, a faculty member in the engineering department who teaches hydroengineering, said he uses the greenhouse for research in his hydrology class. Though students taking his lab do not do anything related to plants, they learn about water and its relation to land. Students use the tools in the greenhouse to perform experiments and projects. "I see students in the biology department utilizing the greenhouse for research, so I think that it has been helpful for us," Lai said.

Dr. David McKinney, a biology department faculty member, said he uses the greenhouse for his general biology labs.

"Students who take the class learn how to ask scientific questions and design experiments," McKinney said. "In the greenhouse, we raise spiders, feed them, and try to figure out what is the best way to answer biological questions."

Most of the students who take the class have an interest in biology and zoology. "The class is open to a wide range of people," McKinney said. "The lab has been in existence for a while."

Students who take the class usually go into fields such as teaching high school level classes, cell biology and more.

McKinney said he has always been interested in bugs and loved macrophotography. He knew that he wanted to do something in the field of biology. McKinney said personal observations led him into a real interest in furthering his study of spiders.



Plumeria rubra, or "Candy-stripe Frangipani." Photo: Lindsay Shaleen



The greenhouse is located near Omega Lake on back campus. Photo: Lindsay Shaleen