Satellite Chiller Plant to cool down University

ALEX CRONIN
Contributing Writer

The University’s quick expansion has taken a toll on its cold water system. According to John Cal, associate vice president of Facilities Management, the University’s cold water system is overtaxed due much in part to the University’s extremely fast expansion in recent years and large influx of students on campus at any given time.

The University is constructing a plan intended to fix the situation. On the northeast side of the Modesto Maidique Campus by Academic Health Center 4 currently under construction sits the University’s new Satellite Chiller Plant.

“Without the SCP, MMC will not have the chilled water production capacity it needs to supply the buildings over the next five years,” Cal said.

Construction began March 2012 with the plan of installing high efficiency centrifugal chillers and cooling towers. It will connect to the existing chilled water loop on campus that supplies cold water to most of MMC.

The MMC chilled water loop currently operates from the central utility plant and the adjacent satellite chiller plants located just west of Viertes Haus. Together, the two plants operate with seven chillers and towers to meet current demand. The project is funded by the state of Florida through Public Education Capital Outlay funds.

Originally planned for five chillers and five cooling towers, the facility’s projected budget of $14.1 million was cut nearly in half to $7.6 million because of a lack of PECO funds.

See CHILL, PAGE 2

Panthers battle weather, tie for first at Wolverine Invite

STEVEN ROWELL
Contributing Writer

The women’s golf season is off to a good start after a win in their season opener at the Wolverine Invitational last weekend up in Ann Arbor, Mich.

Battling cold temperatures and some rainfall, FIU tied with Michigan for first place. Both teams had a combined team score of 78-over-par. Xavier University, Illinois State University and Eastern Michigan University finished not too far behind with each team having a team score of 81-over-par. On the first day, FIU had a score of 312 which was tied for second place, on the second day, FIU posted a score of 306, the low team score of the day. The Panthers didn’t close on as strong of a note, posting a score of 312.

“It was a pretty difficult weekend, weather-wise, we ran into some pretty cold temperatures. Each morning when we teed off, it was about 45 degrees and it rained a lot,” Head Coach Joe Vogel said.

“That’s pretty difficult in that sense. This was a survival test more than anything.”

Head Coach Joe Vogel believes his team survived the bad weather in their performance at Michigan.

See GOLF, PAGE 6

Graham Center prepares for expansion with renovations

ALEXANDER SUAREZ
Contributing Writer

The Graham Center is moving on up. With retention rates in mind, Ruth Hamilton, executive director of the Graham Center, hopes to create an environment that will help students feel at home.

According to the Office of Planning & Institutional Research, the University enrolled 47,968 students in the fall of 2011. Hamilton said the “expanding enrollment” makes the continued renovations and building of GC pivotal “for the quality of the education students receive.”

There have been reports, according to Hamilton, of students wondering if Fresh Food Company was a newly added restaurant, not knowing it existed before the recently renovated entrance.

Other changes have included the relocation of Einstein’s Bagels next to the GC Ballrooms, making the neighboring outdoor tables part of the restaurant and adding several umbrella covered tables outside the bookstore in the Betty Chapman Plaza.

The Office of Orientation and Parent Programs was also moved to the west side of GC, the former location of the University Credit Union, along with additional “pantherizing” of the building.

According to Hamilton, there are also plans to renovate the piano room by providing new furniture that will accommodate more students as well as their study needs.

See GC, PAGE 2
From a rocky beginning to a rocking ending

RACHEL CUCURIULLO
Contributing Writer

Armando Tranquilino began his life in a middle-class home in communist Cuba. The University music professor remembers how his father was wrongly taken into custody as a political prisoner for four years when he was 1 year old. Though his father was incarcerated for a small part of his life, the professor remembers a happy home.

Tranquilino, who teaches music history, Theory of Rock and History of the Beatles, recalled government officials coming to his home to announce that the family’s request to enter the United States had been granted.

“We were to pack up our things right then,” he said.

At the age of seven, he moved with his family to Miami. It was in the US where he picked up his first instrument, the guitar. Then, at 17 years old, he moved on to study piano under the tutelage of classical pianist and former government official coming to his home to announce that the family’s request to enter the United States had been granted.

“Emerson Lake & Palmer,” were bands whose style got him into the classical genre.

“My friends thought the connection (I made between progressive rock band music and classical music) was crazy and couldn’t see the bridge I made between the two.” Tranquilino said. “It’s all music to me. There’s no distinction. It’s how and silence. Bands like that have some songs with an introduction, first movement, second movement, etcetera. These were the groups that segued me to the classical style of sound.”

In 1987, Tranquilino was in a master of music and doctorate of musical dual program for composition and electronic music at Indiana University. There, he met his future friend Glenn Gass, who started a History of Rock music course.

“Touhou Wow, this is really great. I would love to do something like this at some point,” said Tranquilino.

He has taught music theory courses and was the director of the electronic music studio at the University of Arizona in Tucson from 1989 to 1993.

Tranquilino said he wanted keep in touch and “reconnected” with his Cuban heritage and build is important.

This money cannot be used for anything else except facilities,” Hamilton said. “If we don’t have a plan (to build and renovate) then we don’t need the money.”

Currently, a $6.76 per credit hour is the fee taken out of students’ tuition to fund the CITF.

“[These renovations] are being done in phases,” Hamilton said. “Our goal is to enhance the building to be welcoming to anyone who walks in.”

Project affected by lack of funds

CHILL, PAGE 1

Currently, only two of the five sets of chillers and towers will be completed, but the building has enough available space to add the rest as the budget allows. “Without these facilities being built to pick up the slack, the burden on the existing chiller system will become too great for it to handle due to the fast expansion of the University,” Cal said. The plant is also part of an overarching plan by the University to improve its energy conservation and efficiency. SPC’s ability to operate continuously is expected to relieve stress on the outdated chilled water loop, thus improving energy efficiency. When the project is complete it will also serve as a regional source of chilled water during a power outage.

The project is scheduled to be operational by March 2013. Once completed, additional funding will be sought to finalize the project and make the University solely reliant on the SCP for its chilled water needs.
Welcome to college, being spoon fed not an option

NERLYN GALAN
Contributing Writer

It’s time for lunch and you have a decision to make. With so many choices it’s hard to always make the healthiest decision, because of this we usually revert to instant gratification at Burger King and very few people at Salud Creations.

Looking around I came to the conclusion that one of the reasons we make such poor dietary choices stems from those of us who enrolled in college directly after graduation, in our reliance on High School’s structure.

Then everything was handed to us, portioned, chosen with discretion. Even the vending machines were controlled with healthy snack and drink choices. So we were never left to make healthy choices on our own.

While discussing my viewpoint with my English professor, Manolo Dussao, he pointed out that this issue didn’t just affect our eating habits, but also many other choices that we make in college.

That many students weren’t just eating unhealthy but also making bad decisions in other area’s like study habits, going to class, and excessive partying.

When I asked him why he explained: “It’s like a pendulum of your group members does and can explain it to you in a simpler way. If you still don’t get it, perhaps one of your people skills are up to par and you network that the FBI would envy.”

The LA program was actually inviting students to the program, but, as Dr. Swamy said, “Students have a network that the FBI would envy.”

If your people skills are up to par and you understand the concepts, you, too, can do the same.

In my chemistry class, we have two ways of celebrating the end of a chapter: an online quiz and a Learning Assistant (LA) activity.

There, everything was handed to us: portioned, cooked and chosen with discretion.

This system is hurting us. The moment some of us leave this system we get so drunk on freedom that we make poor decisions.

In high school we are told when to start the day, what to wear, what classes to pick, when and what to eat, unlike in college. It’s a military system where every moment of every day is controlled and regulated.

Hey Professor, turn it down a notch

JUNETTE REYES
Staff Writer

Most of us here at Florida International University are well beyond our high school years and yet it often feels as though we are being treated like high school students in the ways that some professors, in their frustration with class participation or a lack thereof, are taking a disciplinary approach in straightening them out.

The interaction between student and professor ends up with the students feeling like bumbling five-year-olds. These professors feel compelled to take it upon themselves to make sure we participate in class and keep up with our assignments when, ultimately, it’s every student’s duty to do it for themselves.

This disciplinarian’s approach can be seen with acts as simple as implementing dire consequences for even a small number of absences, scolding or punishing an entire class as a result of the laziness or disinterest of a few.

In the case of taking attendance, it should be used only to allow the teacher to consider the student’s effort in the class and, hopefully, factor it into their grade. As tedious as attending class might sometimes be, it is something we all should do because it is our responsibility to do so and not because it reflects a percentage of our grade.

Professors might scold or punish an entire class, perhaps thinking that the students can be shamed into applying themselves; however, this can turn out to be more detrimental to students because, more importantly than shaming the students who do no work, it steals class time from those who do–from the students who, even if they aren’t interested in the subject, dedicate themselves nonetheless.

It is admirable that some professors are still so concerned about our educations as to apply consequences for not taking every advantage to learn, but I often find myself wondering if this is really the most advantageous approach.

The years before college are presumably the time for students to not only acknowledge but hone their sense of responsibility but the present teachers assisting them through this process of growth.

Granted, not all students pass through this stage successfully; many will continue to refuse certain responsibilities. Still, if the disciplinary approach did not sculpt the careless student into an assiduous one in high school, to who is to say it will work late in the game?

It is inevitably up to us whether we succeed as students or not.

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Tips for how students can purchase a used car

AARON PABON
Staff Writer

One of the many milestones in our lives that we are responsible for is the decision to buy a car. Many can’t afford a new Dodge Dart or the Scion FRS, so we end up going for a used car. Dreaded for the mistakes we make in buying the car, some pay more than they should. Others dread for the mistakes we make in buying a car.

After reflecting on personal experiences, conducting research on the internet and talking to friends and relatives, here is a list of tips and advice on how to buy a used car.

Set a budget.

Obviously, before you consider buying a used car, find out how much you are willing to spend. If you are taking out a loan, calculate your maximum monthly payment, then commit to stay within that amount. This can be simple or difficult, depending on your income. The general budget for a decent used car can range from $4000 to $8000.

Your budget should not reflect the total price you want to pay for your car. For example: if you save up $8000 for buying a used car, don’t look for a car that is worth $8000. Try looking for a car that is worth $5000 or less. Because if you have a car that runs perfectly, but needs a new radio and bumper, you will have an extra $3000 to spend on such repairs.

Understand what kind of car you are looking for.

Generally, you are looking for a car to get you from “point A to point B,” but you should figure out exactly what you are going to use the car for. Are you going to be driving only for school? Are you also going to drive it for work? Do you have a long commute?

BARGAIN:
Mazda 2006, 90,000 miles, on sale for $8500 and sold for $7000.

Find a car that’s practical, not one that looks good. A Ford Mustang convertible might be good looking, but the Volkswagen Golf will have better gas mileage.

Shop around.

Rarely do you find the car you need at the first lot you visit, so you may need to visit other lots.

It’s advisable to visit a reputable used car dealership, like CarMax, or AutoNation’s Maroone. The used cars they sell are put through rigorous inspections and are the few used car dealerships that offer a warranty option.

When you do find a good car, look to see if it’s available at other car lots. You may find it with less mileage, or for a few hundred dollars less.

Before you purchase, look it up in value using the National Automobile Dealer Association Official Used Car Guide or the Kelley Blue Book, both of which are tools that report the value prices of all types of new and used cars.

Learn the car’s history.

Services like Carfax will give a Vehicle History Report. The Vehicle History Report gives you an idea of the amount of work that your car may need. The report gives you information on how many owners a specific used car had, odometer history, number of times the car has been serviced, and the amount of accidents it has been in.

Common damage for used cars in Florida are collision damage and flood damage, according to whom?

Today, most the used cars found in dealerships are fairly new. This is because of a majority of the cars being repossessed or sold back close to their purchase date. If you happen to come across one of these cars, see if it still has the manufacturer’s warranty. If the car still has, so make sure you still in effect, and contact the manufacturer to find out if you can use the coverage.

Contact your own inspection.

Take a look around the car. Look for rust underneath the car. Check the tires and brake-pads for wear. Look under the hood for stripped or rounded nuts. All of these inspections help gauge how much the used car costs.

The most important inspection is the test drive. This will give you a feel on the car’s handling and performance. During your test-drive, you can take a look at the paint that is similar to your daily commute. You want to make sure your car can handle the expressway and see if it makes funny noises while stopped in traffic. Check accessories like wipers, lights and air conditioning.

The two items that require the most attention are transmission and brakes. If the car has a manual transmission, listen for a grinding noise. A grinding noise may mean the synchronizers need to be replaced. Test your brakes by accelerating to 40 mph or 50 mph, and see if your brakes are as hard as possible. This is to check if the car’s performance in an emergency-stop scenario. If the car pulls to the right or left, you may have a loose brake caliper. If you feel any vibration when you brake, you may have warped breaks.

I strongly advise shopping with a relative or friend that has purchased a used car. Happy hunting and drive safely.

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THEATRE

“Songs for a New World” explores life choices

ALFREDO APARICIO
Staff Writer

The triumphs and losses of the human condition are fully examined, through song, in the Department of Theatre’s first production of the fall semester, “Songs for a New World,” directed by Lesley Timlick, head of the Department of Theatre. The production is a celebration of the human condition and how the choices they’ve made have not only shaped the lives of the actors on stage as they sing about dilemmas faced by everyone in that extreme moment of decision and how those decisions affect our future.

In this sense, “Songs For A New World” is very much about the imagination. There are no props or sets pieces, merely the actors communicating their feelings through song and how these songs speak to the audience about experiences that are universal and everlasting.

The vocals of the production are outstanding, especially Evelyn Saavedra, a music major, and Ashley Capo, a BFA performance theatre major, who has the funniest song, “Just One Step,” about a woman’s desire to commit suicide. This contradiction is also what makes “Songs For A New World” so important; it goes there, to that dark place of the human psyche where we frequently don’t want to go because of our fears.

Above all it’s about love, the love of a husband and wife, mother and child, humankind and their faith, as well as fear of love. All these themes are present in “Songs For a New World,” sketching a familiar but relevant and crucial human portrait.

“Songs of a New World” will continue from Sept. 26 to Sept. 29 at 8 p.m. and Sept. 30 at 2 p.m. in the Herbert and Nicole Wertheim Performing Arts Center Black Box Theatre. General admission is $20 for adults, $15 for students and $18 for faculty/staff and seniors.

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“The Master” proves to be as grand as its title

Paul Thomas Anderson’s entire career has been leading up to this moment, and what a moment it is. This is something dozens of filmmakers strive to achieve, in the form of an ambitious magnum opus, “The Master.”

An able-bodied seaman named Freddie Quell (Phoenix) is the film’s unstable main character. He drifts along, losing job after job due to fits of drunken rage, until he stumbles upon a docked boat where he finds The Cause. “The Master” showcases many of the characteristics that have defined Anderson’s career so far. There’s the abundant sex of “Boogie Nights,” the unnerving tension of “There Will Be Blood,” and the fascinating character studies of “Magnolia.”

The costume and production design reflect a prodigious attention to detail, and greatly enhance the 50s feel. Jonny Greenwood’s impressive score, songs by Ella Fitzgerald and Jo Stafford complement the film’s beauty. The camerawork is stunning as per usual with Anderson: full of long takes, tracking shots, close-ups, and breathtaking scenery.

Outside of its technical prowess, “The Master” shines in its exploration of its two leading men. Paul Thomas Anderson’s writing chooses to ignore conventional storytelling, commenting more on human nature and the dangers of excessive power and radical belief.

There is a strong focus on the relationship between Quell and Dodd that can be interpreted in dozens of ways, be it master and slave, father and son, brothers in arms, or even the subtlest unrequited romance.

Joaquin Phoenix and Philip Seymour Hoffman are crucial to the film and work as its driving force, leaving even Amy Adams’ great performance behind in the dust.

Phoenix dives right into character in an unrestrained, animalistic performance. There is no hint of hesitation, and the switch from fury to childish delight often catches the viewer off guard.

Joaquin Phoenix stars as seaman Freddie Quell next to “The Master,” played by Philip Seymour Hoffman.

Hoffman is downright magical as the titular Master, a man with a cool demeanor who knows how to speak and understands how to be a leader. While his controlled performance alone is a marvel, it is the scenes in which the great man’s facade fades away that we see Hoffman’s true talent.

Both actors’ outbursts never cease to unsettle the viewer, as one never really knows when this seemingly safe, but ultimately very strange, place could turn violent.

Some who enter “The Master” without leaving their expectations at the door might find themselves disappointed by how different it is from what they’d expected. Those who can put preconceived notions of storytelling behind and submit themselves to Anderson’s methods will find it a masterpiece.

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Borderlands 2 gives players more of everything

Borderlands 2, the sequel to 2009’s first-person shooter surprise hit, brings players back to Pandora with an all new cast of characters, more guns, more loot and hours of gameplay. Players shoot, loot and manage their inventory and collect weapons, upgrading your inventory and collecting loot. Thankfully, later missions break up the constant cycle of completing quests, changing weapons, and upgrading your inventory. From the chatty robot Claptrap to the adorable side quests and secret hunting like the various Easter eggs laid throughout the game.

The replay value is high, thanks to being able to play cooperatively and leveling up different classes. If you’re not familiar with Borderlands’ gameplay and you play alone, there may be a point where the game might feel monotonous in the constant cycle of completing quests, changing weapons, and upgrading your inventory.

Players can play alone or work together to fight enemies on the planet of Pandora in Borderlands 2, as the citizens of Pandora are all certifiably insane. From the deadly Tiny Tina, the characters all help define the insanity of Pandora. This charm separates Borderlands from other major releases, along with the stylized art style and Pandora itself.

If you enjoy games like Diablo and Torchlight, and cooperative first-person shooter games that aren’t military shooters, Borderlands 2 is highly recommended.
Sammy wins battle of undefeated teams over TKE 13-8

OSCAR BALDIZON
Contributing Writer

As soon as you walked out onto the intramural football fields on Sept. 24, you could feel the “electricity” in the air as Coach Christopher Mendez described it in his pre-game speech to the Sigma Alpha Mu, or “Sammy,” team. This battle of undefeated squads came down to the last play with Sammy pulling off a dramatic 13-8 win over Tau Kappa Epsilon.

After a botched snap on Sammy’s first play resulted in a safety for TKE, quarterback George Landis opened up the game with a convincing drive where he went four-for-four throwing the football and finished with a 15-yard touchdown strike to wide receiver Zak Patterson.

Both teams played great defense which led to only a few drives in the half, but when Sammy got their chance, they scored as well. Quarterback Michael Carabeo ended their drive with a touchdown, caught by the wide receiver Luis Santiesteban.

“That’s just my motivation to dive for those balls, grab those flags, and hope for the best,” Santiesteban said after two great drives in the half with a 40-yard strike to wide receiver Mario Valcourt. That drive left TKE with only 43 seconds to drive and overcome the 13-8 deficit.

Landis strung together three consecutive dump-off throws that put them within 15 yards of a touchdown and victory. But just wasn’t meant to be, as it was called for a roughing-the-passer penalty. Sammy was able to match the speed of TKE’s John Marin at the wide receiver position and only gave up short passes and no big plays.

Sammy’s defense had the job of icing the game and needed a drive to leave TKE with little time possible to overtake their lead. They opened up their second drive of the half with a 40-yard strike to wide receiver Mario Valcourt. That drive left TKE with only 43 seconds to drive and overcome the 13-8 deficit.

Landis strung together three consecutive dump-off throws that put them within 15 yards of a touchdown and victory, and with three seconds left in the game, Sammy’s defense stepped up. Valcourt knocked down the last pass of the game and propelled the team to victory. “I think we’re the best, and any fraternity can come out here and try and prove us wrong,” Carabeo said after the game.

“Sammy’s defense stepped up; didn’t play too well on the last rounds were good. Didn’t play too well on the last day, but I have big expectations for her. The sky is the limit for her.”

Joe Vogel
Women’s Golf, Head Coach

“I have high expectations for them this week, if the girls can make their shots and be on pace, I think we can do very well.”

Senior Yolecci Jimenez finished the Wolverine Invitational with a 28-over-par score. She posted individual scores of 82, 79, and 75 and finished 23-over-par.

“I have high expectations for them this week, if the girls can make their shots and be on pace, I think we can do very well.”

Brandon Wise
Sports Director

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Friday, September 28, 2012

INTRAMURALS

Freshman shoots 14-over-par, ties for individual win

Megan MacLaren, one of four freshmen, helped lead the way for the Panthers. MacLaren finished individually in a three-way tie with Eastern Michigan player Alyssa Kwon and Michigan golfer Alicia Weber at 14-over-par for the tournament.

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FIU to kick off Sun Belt play with trip to Louisiana

The Panthers will kick off conference play this week against the Louisiana Ragin' Cajuns, but not in the way they would've hoped to, as the Cajuns are undefeated this season. Florida International University is coming off a win against Western Kentucky, where the defense came up strong to hold the Hilltoppers to just seven points.

The Panthers are hoping to have a similar outcome against the Ragin' Cajuns, who have allowed just 21 points in four games so far this season. In order to do that, they will need to improve their running game, which has struggled thus far. FIU's running backs have combined for just 217 yards rushing in four games, averaging 54.2 yards per game.

But the Panthers are not without talent in their backfield. Travius Wilson has been the primary rusher for FIU, but he is joined by other players like Ilijah Zuber and Najee Jackson, who have also had opportunities to make a impact.

On the other hand, Louisiana is coming off a loss to Southern Miss and will be looking to bounce back. The Ragin' Cajuns have been successful in their ground game, averaging 217.5 yards per game so far this season. If they can continue to run the ball effectively, it could be a long day for the Panthers.

Despite the challenges, Head Coach Carl Pelini is optimistic about his team's chances of winning.

Panthers improve moving into Conference USA play

Sophomore forward Colby Burdette started slowly this season, unable to make a goal until the fifth game. But when the Panthers traveled to the University of Illinois at Chicago, Burdette scored his first goal of the season, allowing the Panthers to take the game into overtime. That's when Burdette scored his second goal of the season, while also racking up a win for FIU. Burdette got his third goal of the season against Western Michigan, a 2-1 win over the Huskies. He now has three goals, one away from tying his total amount from last year's four goals, and it looks like he's primed for a breakout season.

Many factors play a part in the development of Burdette this season, one being his teammate forward Quentin Albrecht who already has six goals this season. However, for Burdette, much of the praise goes to Head Coach Kenny Arena, who has helped the forward hone the mental aspect of the game.

"Practicing and the technical part of the game is really sharp with him, and that's brought me up to a whole new level," Burdette said.

This improvement is evident in Burdette's shot-on-goal percentage. With a .136 mark this season, Burdette has increased his shot percentage from last year's .108. That improvement has also helped in, probably, the most important stat in the game: game-winning goals. Burdette has collected two game-winning goals so far this year, a feat that was unable to achieve last season.

Over the last five games, FIU has found themselves trailing by halftime. Although their record is 3-1-1 in that span, the Panthers are about to begin conference play.

"I think in the first half, the other team has energy. So as the game goes on, our fitness and our style of play really come through," Arena said. "However, early in games, teams throw everything they have at us and so it looks a little combative and hectic."

So far in this season, the Panthers have scored only four goals in the first half of games this year while their opponents have collected six. The oddity of this is that FIU has more shots on goal in the first half with 52, compared to their opponents who have only 35 shot on goal.

But the one constant for the Panthers this year has been their strong second-half play. FIU has only allowed one second-half score this season, while racking up eight goals themselves in the second half of games.

BATTLE IN COLUMBIA

(FIU 6-1-1) is preparing to take on South Carolina (3-5-1) in the Panthers' first conference game of the season.

Though the Gamecocks have the advantage in conference play experience with two conference games under their belt, they have lost both. Against FIU, however, they're 3-0-1 in the past four years. For the Panthers, they will try to pick up their seventh win of the season while also looking to get a leg up in conference play with a win.

FIU will need to control forward Bradlee Balazech who leads the Gamecocks in scoring with two of South Carolina's six goals. Scoring against FIU is nothing new for Balazech, who scored a goal in a 4-3 win over FIU last season.

The Panthers hope to end their four-game winless streak against South Carolina, Saturday night at 7 p.m.

Contributing Writer

FRANCISCO RIVERO
Staff Writer

"THE MOST FUN YOU'LL HAVE AT THE MOVIES THIS YEAR"

"Funny, vibrant, charming and irresistible. You have to love it!"

— Matt Damon, Drew Barrymore

"The most fun you'll have at the movies this year."

— Owen Wilson

"the most fun you'll have at the movies this year"
Grad students study behavior of predators

BARBARA CORBELLINI
DUARTE
CHRISTINA VALDES
FLSM Staff

Graduate students from the University are pioneering the study of alligators and bull sharks in the Everglades, providing baseline data for the effects the Everglades Restoration Project will have on these predators.

The goal of the research, which takes place in the Shark River Estuary located along the west coast of the Everglades National Park, is to understand the roles of the predators in the ecosystem. Adam Rosenblatt and Philip Matich, doctoral students in the biology department, observe the way alligators and sharks behave in different locations throughout different times of the year, as well as how changes in water quality and variations in weather affect the animals.

“Our research investigating top predators indirectly shows that these are not maintained ecosystems of smaller species and help maintain the energy and nutrient balance of the ecosystem,” said Matich, who is researching bull sharks.

The research is part of the Comprehensive Everglades Restoration Project, described as the largest environmental restoration effort in history.

The restoration project intends to provide a framework to restore, protect and preserve the water resources of central and southern Florida, including the Everglades.

The Everglades is a natural filtration system that keeps the waters in the South Florida aquifers clean. Aquifers are the underground source of fresh and drinkable water for the community in Miami.

The plan, covering 16 counties over an 18,000-square-mile area, was approved in the Water Resources Development Act of 2000. It consists of more than 60 civil work projects that will be designed and implemented in a period of 30 years. In the October 2007 estimate, the latest available, it was stated that the projects will cost $9.5 billion.

“The Everglades is a very complex ecosystem. There are a lot of elements. There is rainfall. There is heat. There are hurricanes. There’s thousands of different species of plants and animals all interacting with each other,” said Rosenblatt, who is researching American alligators.

According to Rosenblatt, this interaction is crucial to keep the Everglades healthy and to maintain the function of the natural filtration system.

“Predators help regulate the population sizes of other animals to prevent them from overpopulating ecosystems and altering the balance of species within ecosystems,” said Matich.

The research was initiated in 2007 when Rosenblatt began his study of American alligators. Match began the research on bull sharks in 2008.

To study these predators, Rosenblatt and Matich have tagged more than 100 alligators and bull sharks. At the bottom of the Shark River Estuary lie two monitors: one records the presence of tagged animals; the other measures salinity, temperature and dissolved oxygen in water.

The scientists have observed that the animals often behave differently from one another.

“We’ve been finding more and more that animals have personalities similar to how people have personalities,” Rosenblatt said.

To understand the differences of behavior, Rosenblatt and Matich have taken more than 100 alligator and bull sharks along the Shark River Estuary. To analyze their behavior, the scientists have been feeding them in a technique called stable isotope analysis.

Besides studying alligators, Rosenblatt also examines blue crabs, which are important prey for the American alligator. Philip Matich (right), doctoral student in the biology department, takes blood, muscle and skin samples from a bull shark. The alligators, sharks and crabs are thrown back to the water after the scientists get their samples.

The scientists believe that the predators often have a bad reputation in society.

“In general, many people view some top predators, like sharks, as threats to humans because we coexist in the same habitat (coastal areas), but I view other predators, like lions, in positive light because of our geographical distance from these animals,” said Matich.

Rosenblatt explains that a shark or an alligator attack usually has a great repercussion. People remember these animals as dangerous and don’t realize how atypical these attacks are.

“How many times have we killed them compared to the times they have hurt us?” Rosenblatt asked.

Robin Sarabia, a graduate biology student researching bottlenose dolphins in the Everglades, said that if the predators and the environment are not preserved and protected, it will cause a domino effect, damaging other species and potentially harming humans. She said that restoring and preserving the national park is essential to maintain the water quality of South Florida aquifers for the future.

And if we are going to want to continue living here and strike a balance with our environment, it’s important to have this restoration effort in order to understand what we are dealing with and why,” Sarabia said. “It’s all connected.”

Turning the page on hardcovers – not yet

ANDREINA POVEDA
Contributing Writer

For some students, hearing the soft rustle of turning a page is priceless.

Despite the convenience of tablets and e-readers, the smell of ink and paper seems to be more popular among college students than the light of a screen.

E-books can be lighter, cheaper and better for the environment, but they are used by a small percentage of students in the classrooms compared to conventional books.

According to McGraw-Hill Higher Education executive, studies show that only 3 percent of college students buy e-books. The reasons include lack of information on the advantages and use of e-books and the resistance to change something they have been accustomed to their entire lives. “I know e-books are cheaper, but I like to highlight and make notes on margins,” said Jennifer Bartos, a junior majoring in hospitality.

According to a 2011 survey conducted by the Book Industry Group and the Association of American Publishers, e-books accounted for a 15.5 percent of publishers’ revenue in 2011. But the sales of e-books are rising. Revenue from sales of e-books doubled compared to the total collected in 2010, reaching $2.07 billion last year.

Print sales dropped to $11.1 billion in 2011 compared to $12.1 billion in 2010.

Andres Perez, a biology sophomore taking six classes this semester, is using for the first time e-books for two of his courses.

“Because I own a tablet it is easier to move around,” said Perez who added that he bought more books and spent less this semester by choosing the digital versions.

Demetras Smith, a sophomore computer and engineering major, is a supporter of textbooks.

“It’s more a hands-on thing. It really depends on the class and most of what I take is math and labs,” said Smith, but he also admitted that he prefers tablets for other types of readings.

Mario Diamont, associate professor in the School of Journalism and Mass Communication, feels he has nothing against e-books but that he is old-school in this matter. However, he shared that he uses audio-books as an alternative sometimes.

“I like to touch the book. It is an object and the feeling of holding a book in your hand is different from reading from a screen,” Diamont said.

Loma Veraldi, associate professor in SJMC, shares Diamont’s view and prefers books rather than anything digital.

“I don’t use e-books in class. I like interacting with books and writing in them, it’s a personal preference.”