

# The Luna Light



Volume 3 Issue 44

Nov. 1-Nov. 7, 2010

*“The People’s College”*

*Becoming The Premier Rural Community College in America*



**A Luna Community College Rough Rider logo was recently put on an old water tower north of the campus. In a cooperative effort between LCC and the City of Las Vegas, the water tower was recently re-painted. Pictured (l-r) are city employees Matt Tafoya, Archie Allemand, community members Aaron and Eddie Gallegos and LCC President Dr. Pete Campos.**

## Romero, Hensley and Tysitee to lead Luna CC Student Government

Danyelle Romero will once again be the Luna Community College Student Government president. Romero received 111 votes. She was unopposed.

She will be joined by Ashley Hensley who won as vice-president. Hensley, who also ran unopposed, received 109 votes.

Joanna Tysitee is the third and final member of the elected executive members. Tysitee will be both secretary and treasurer. She received 110 votes.

Bryce Burgess led all newly elected senators with 109 votes. He will be joined by Ben Casey, Estevan Baca and

G.J. Lopez. Casey received five votes. Baca and Lopez received one vote each. There were a total of 121 votes.

**Ashley Hensley is LCC’s Student Government’s new vice-president. She has said that one of her goals is to bring more energy to campus. She is pictured here preparing a dessert in culinary class.**





## CRITERIA FOR ACCREDITATION

### CRITERION ONE: *MISSION & INTEGRITY*

The organization operates with integrity to ensure the fulfillment of its mission through structures and processes that involve the board, administration, faculty, staff and students.

### CRITERION TWO: *PREPARING FOR THE FUTURE*

The organization's allocation of resources and its processes for evaluation and planning demonstrate its capacity to fulfill its mission, improve the quality of its education, and respond to future challenges and opportunities.

### CRITERION THREE: *STUDENT LEARNING & EFFECTIVE TEACHING*

The organization provides evidence of student learning and teaching effectiveness that demonstrates it is fulfilling its educational mission.

### CRITERION FOUR: *ACQUISITION, DISCOVERY, & APPLICATION OF KNOWLEDGE*

The organization promotes a life of learning for its faculty, administration, staff, and students by fostering and supporting inquiry, creativity, practice, and social responsibility in ways consistent with its mission.

### CRITERION FIVE: *ENGAGEMENT & SERVICE*

As called for by its mission, the organization identifies its constituencies and serves them in ways both value.

# GO Bond B

## 2010 GO Bond B Distribution Estimates

If passed, San Miguel, Mora, and Harding libraries would receive a total of **\$176, 045.89**

NMHU Main	\$59, 369.58	Pecos Independent Schools	\$ 6,672.56
Luna CC	\$19, 651.68	Roy Municipal Schools	\$ 4, 057.33
Carnegie Public Library	\$28, 589.93	Wagon Mound Public Schools	\$ 4, 131.03
Las Vegas City Public Schools	\$18,040.19	West Las Vegas Public Schools	\$19, 783.24
Mora Independent Schools	\$ 8,553.81	Rio Gallinas School	\$3, 159.69
Mosquero Municipal Schools	\$ 4, 036.85		

**GO BOND "B" is for Libraries November 2, 2010**



# Luna CC speaks out

Who is your favorite professional sports team and why?



**Paul Sandoval**  
**Food Services Manager**

"I lost two nephews from the Bay area over the last 10 years. I remember we would go to Giants games. I have named my Little League teams Giants in their honor over the last two years."



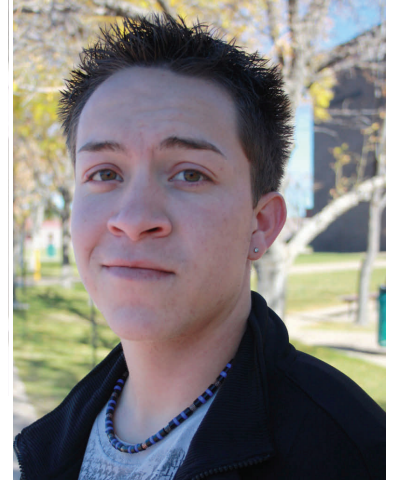
**Jessica Aragon**  
**Teacher Education**

"The Tampa Bay Buccaneers. I like their logo and they have a good looking team."



**Rose Tapia**  
**Business Department**  
**Office Manager**

"The Dallas Cowboys. We have been rooting for them for a long time. They have one of the best franchises in the history of sports."



**Bobby Biddle**  
**Computer Science**

"The Denver Broncos. It's more of a family thing. I grew up liking them. My favorite players are Terrell Davis and John Elway."

## Former LCC cosmetology student Rebecca Padilla visits classroom

Former Luna Community College cosmetology student Rebecca Padilla (photo at right) did a presentation for the current freshmen class last Tuesday. Padilla, who now works at Hair In\*no\*va\*tion, is a former New Mexico SkillsUSA champion in hair cutting. In 2007, Padilla took second at the national competition.

"The students were very inspired and excited knowing that a former Luna Community College cosmetology student was here to give a demonstration on hair cutting," said LCC Cosmetology Instructor Germaine Sandoval.

Padilla attended LCC from August, 2006 to May, 2008.



# Understanding the wind turbine at Luna CC

By Dr. Sam Stockett

There is a new wind turbine (windmill) on the roof of the SMET building. It can be heard whirring when the wind kicks up. I decided to use algebra and physics from LCC classes to do a little analysis on it.

The power generated by a turbine must derive from the kinetic energy of the wind. Where else would it come from? So the place to start is Newton's law (from **Phys 115**):

$$E = \frac{1}{2}mv^2$$

Where E is kinetic energy, m is mass (in this case mass of the air) and v is velocity (speed of the wind).

Power is the amount of energy created per unit time, so we can write:

$$P = E / t = \frac{1}{2}mv^2/t = (m/t)(v^2/2).$$

Now what does m/t represent? It is mass per unit time and must be the amount of air crossing the plane of the turbine blades per second. The volume of air per second must be the area times the length of the column of air passing every second (from **Math 106**)

$$m/t = \rho Av$$

Where A is area, v is wind speed and  $\rho$  (called the density of air) is the mass in kilograms of one cubic meter of air. We know (again from **Math 106**) that

$$A = \pi r^2$$

Where r is the radius of the circle swept out by the blades, or just the length of one blade. Substituting the last two equations into the power equation (**Math 116**) we have an expression for the very largest amount of energy

derivable:

$$P_{\text{MAXIMUM}} = \frac{1}{2}\rho\pi r^2v^3$$

Standing on the ground looking up I would liberally guess r is about half a meter. A standard approximation of  $\rho$  is  $1.28 \text{ kg/m}^3$ . A thirty mile an hour wind is about 13 meters/sec. A quick pencil calculation gives me a  $P_{\text{MAXIMUM}}$  of about  $1100 \text{ kg m}^2 / \text{s}^3$ . These units are also called Watts. A wind speed of sixty mph gives 8800 watts and a fifteen mph wind 138 Watts.

These values assume 100 percent of wind energy. The actual power values will be much smaller since the blades do not completely stop the wind and there is noise and turbulence as well as the usual friction and electrical losses. As it turns out the actual highest rated power for this particular turbine comes at about 30 mph with 400 Watt output. This means that about 2/3 of the power of the wind is either unavailable to the blades or is lost in the system, or the efficiency is about 36 percent (from **Math 105**).

Even so, this last equation tells us something of the dependence of power on wind speed and length of blades (**Math 180**). The blade length r in the final equation has an exponent of two. We say "the power goes with the square of r," and this means that a windmill with blades twice as long will produce four times the power, and blades three times as long give a nine fold increase ( $2^2 = 4$  and  $3^2 = 9$ ). Also, the wind speed v has an exponent of three. We say "the power goes with the cube of v." This means twice the wind speed gives eight times the power and tripling the wind speed multiplies the power by 27 ( $2^3 = 8$  and  $3^3 = 27$ ).

## LCC OFFICE OF RECRUITMENT WEEK OF Nov. 1-Nov. 6

Monday, Nov. 1—Campus Tour, 1 p.m.

Tuesday, Nov. 2—Election Day

Wednesday, Nov. 3 – College Night meeting, @ LCC, 10 a.m.

Thursday, Nov. 4— No activities planned

Friday, Nov. 5- KFUN Radio, promoting Community Ed. (Digital Photography), promoting food drives, et.al.

Saturday, Nov. 6— No activities planned

## LUNA COMMUNITY COLLEGE IS ACCEPTING APPLICATIONS FOR THE FOLLOWING VACANT JOB POSITIONS:

- Temporary Part-Time As Needed Substitute Teacher/Caretaker-Preschool/Education
  - Nursing Retention Specialist/Instructor Medical Surgical
  - Full-Time Office Manager-AHEC Department
  - Temporary Full-Time Project Specialist-BCS-ACE Program
  - Temporary Full-Time Chronic Disease Self-Management Program Coordinator
- FOR JOB DESCRIPTION(S) AND/OR CLOSING DATES, CONTACT THE HUMAN RESOURCES DEPARTMENT AT (505) 454-2503 OR VISIT OUR WEBSITE AT WWW.LUNA.EDU  
LUNA COMMUNITY COLLEGE IS AN EQUAL OPPORTUNITY EMPLOYER. ALL POSITION POSTING FOLLOW THE LCC AFFIRMATIVE ACTION PLAN.

## Weekly activities

Monday, Nov. 1, 2010

8:00 a.m. – 11:00 a.m. Public Speaking Class/Delivering Speeches (LRC/Lect.Hall)

8:00 a.m. – 3:00 p.m. Skills USA Cosmetology "Snack Shack" (Admn./Rm.108)

Tuesday, Nov. 2, 2010 (Election Day)

8:00 a.m. – 3:00 p.m. Skills USA Cosmetology "Snack Shack" (Admn./Rm.108)

Wednesday, Nov. 3, 2010

8:00 a.m. – 11:00 a.m. Public Speaking Class/Delivering Speeches (LRC/Lect.Hall)

8:00 a.m. – 3:00 p.m. Skills USA Cosmetology "Snack Shack" (Admn./Rm.108)

Thursday, Nov. 4, 2010

8:00 a.m. – 3:00 p.m. Skills USA Cosmetology "Snack Shack" (Admn./Rm.108)

Friday, Nov. 5, 2010

8:00 a.m. – 11:00 a.m. Public Speaking Class/Delivering Speeches (LRC/Lect.Hall)

Saturday, Nov. 6, 2010

7:00 a.m. – 2:00 p.m. C.N.A. Testing (Allied Health/N7&3)



# MAN UP!

Our boys need you.

Become a  
mentor today!

There are over 40 boys  
waiting for a Big Brother.

Call 505-426-8510 or  
visit [bbbs.org/northernNM](http://bbbs.org/northernNM)  
and help start something BIG  
in San Miguel & Mora Counties!



**Big Brothers Big Sisters**  
of Northern New Mexico



# LCC and customer service training



LCC: "The People's College"



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"The People's  
College"



LCC: "The People's College"

Greg and Julianna Barbee of Barbee Consulting trained over 100 Luna Community College employees on customer service on Thursday, Oct. 28. There were three sessions that day.



## TO RECEIVE \$5,000,000.00 FROM EDUCATION BOND D

### Voters Can Support Education and Improve the Aging Infrastructure of New Mexico's Colleges and Universities on November 2

Las Vegas, N.M. – During this year's general election on November 2, New Mexican voters will have an opportunity to positively impact education and the economy of our state by supporting **Education Bond D**. Under this bond, **Luna Community College** is slated to receive **\$5,000,000.00** for much needed capital improvements.

The General Obligation Bond for Education also known as Bond D is placed on the ballot by the New Mexico State Legislature every two years. The 2010 cycle proposes allocating \$155.2 million in funding for capital improvements at the institutions of higher education and constitutional special schools throughout New Mexico if passed.

With the passage of Bond D, capital improvements slated for **Luna Community College** will include: renovations of the Vocational Programs Complex which include the following buildings on the main campus in Las Vegas, New Mexico.



For more information about Education Bond D visit

[www.EducationinNewMexico.com](http://www.EducationinNewMexico.com)





## Luna Community College's Title V Mission:

OCTOBER 2010

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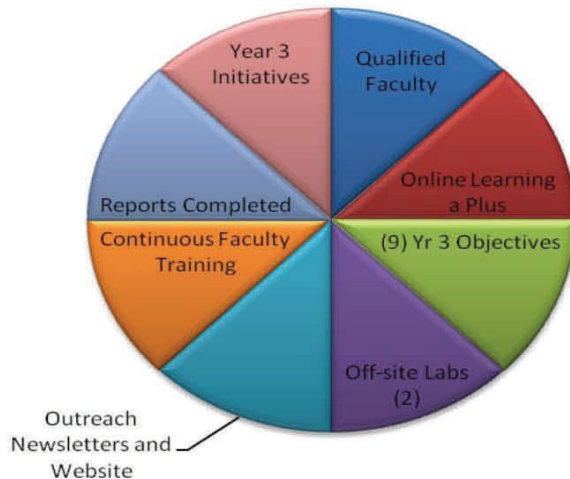
*"Developing a comprehensive online learning network for rural, time and place-bound students."*

### A Successful Year 3 Title V Evaluation

On October 20, 2010, Title V had its year 3 external evaluation by Dr. David Caffey. Title V staff, members of the Internal Monitoring Team (IMT), and Dr. Vidal Martinez attended the exit meeting to go over the outcome. Preparation of data, performance measures, attainment of objectives, charts, budget documentation, revisions, personnel time and effort reports, monthly progress, contracts, courses, audits and inventory reports were some of the documentation that were examined. It was noted at the evaluation that Title V online student services continues to provide online orientation, registration, PLATO Learning System, remote desktop and pre-recorded videos to support distance learners. Online financial aid, online account payment and online tutoring are currently in development.

Overall, the finalized evaluation report will be mailed to the Title V Department within the next week, but all areas evaluated were in compliance and all objectives were achieved. The "Success Wheel" below shows the accomplishments that were noted by Dr. Caffey as areas that he felt were exceptional because of the hard work, dedication and commitment of the Title V staff.

### TITLE V SUCCESS WHEEL



*Pictured (l-r): John Tiernan, Donna Flores, Rand Kennedy, Dr. David Caffey, Michelle Bencomo, Larry Paiz, Lorraine Martinez, Lawrence Quinana, Rick Roybal, Dr. Vidal Martinez, Conni Reichert and Georgia Baca (not pictured).*

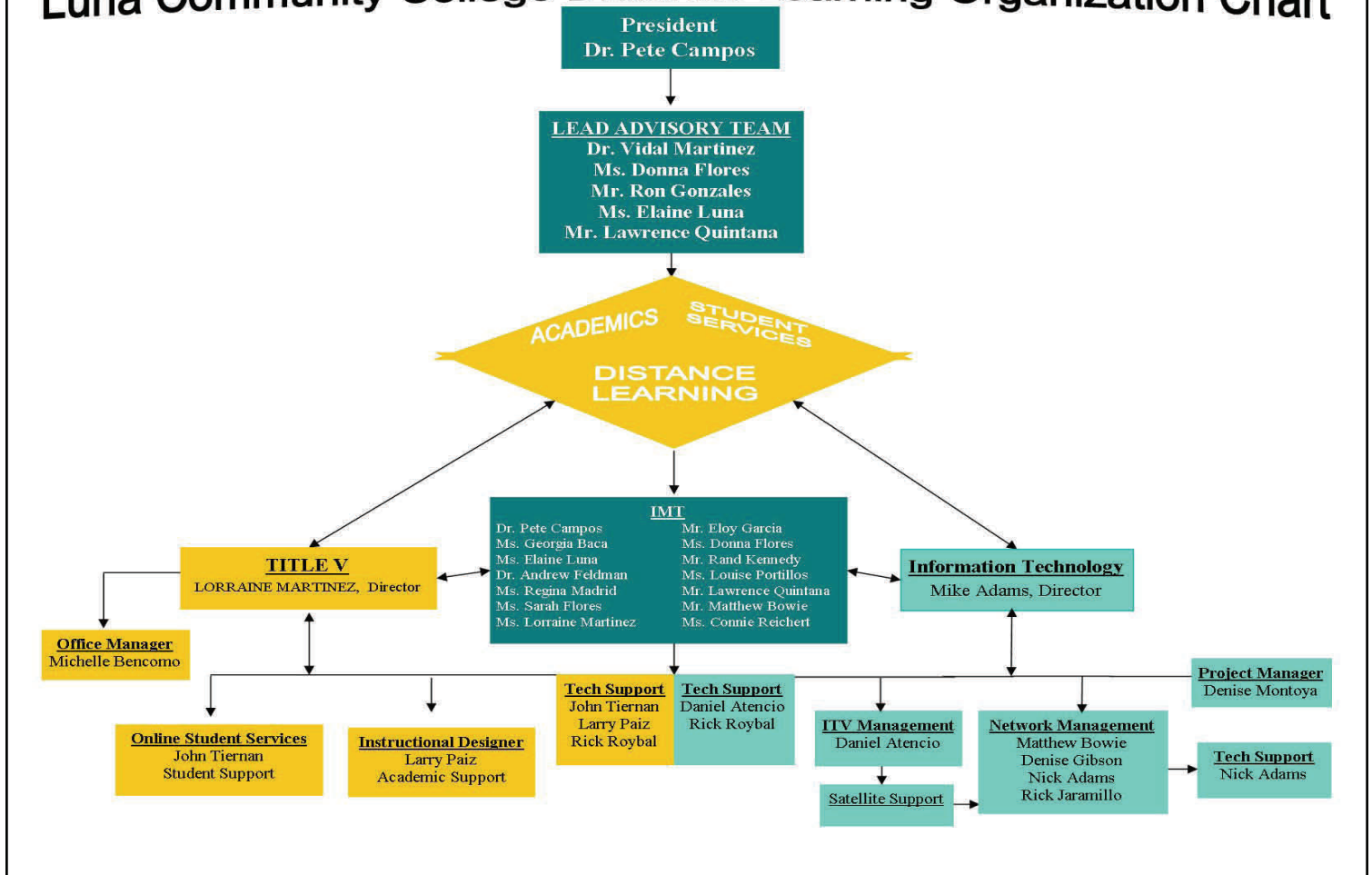
*Winning starts with hard work. The wheel goes round and round and success comes more and more often.*

**Point to Ponder: "A total commitment is paramount to reaching the ultimate in performance."  
-Tim Flores, NFL Coach**

<u>Title V Staff</u>	
Lorraine Martinez,	Project Director
Michelle Bencomo,	Administrative Assistant
Larry Paiz,	Instructional Designer
John Tiernan,	Online Student Services Developer
Rick Roybal,	Distance Education Technician



# Luna Community College Distance Learning Organization Chart



## The Luna CC Distance Learning spark

By Lawrence Quintana

What should every Luna Community College employee and student know about distance learning? In 2001, Luna Community College was awarded a grant which provided the spark to begin education delivered via online and interactive television. Getting the distance learning ball rolling with a couple of courses taught online, one ITV lab and two T1 lines or three mega byte (MB) of bandwidth was the beginning for LCC distance learning.

In 2006, the LCC Information Technology Department expanded its bandwidth capacity to a DS3 45 MB or 45 T1 lines. In 2007, LCC was awarded with a Title V Hispanic Serving Grant with the intent to expand distance learning, improve delivery, and provide distance learning labs throughout the LCC service area.

The LCC Title V Program, IT Department,

and all of the academic directors have been working collaboratively to move educational offerings and course delivery via online and ITV forward. Some of the Title V accomplishments include conversion from WebCT to Blackboard platform, training a total of 24 instructors who participated in 36 hours of instruction for online instruction, and are delivering 33 plus courses online. Student service components that are now offered online consist of, online freshman orientation, online registration, online PLATO learning systems, remote desktop systems, and recording videos. Title V is currently developing a payment online system and pilot testing the Pecos distance learning lab. Course expansions for year four of the Title V grant will include a distance learning lab in Mora, and classes in Mental Health Nursing, Family Nursing II and Adult Nursing II all de-

livered online.

LCC IT Department has increased ITV labs from one in 2006 to 22 in 2010. Twelve ITV labs on main campus and 10 off campus. In addition, bandwidth for satellites and on campus has been expanded to maintain connectivity throughout the service area. An ITV management system was purchased in 2010 and is being utilized to schedule and manage all ITV classes. Furthermore, work has been completed to expand storage and backup systems to ensure that distance learning connectivity is maintained.

On Nov. 8-9, The Higher Learning Commission will be visiting Luna Community College to determine if LCC will be allowed to provide 50 percent of a program courses online. Let us welcome them with open arms and show them Rough Rider hospitality.

# The Luna Community College Baseball Program: Is it a diamond in the rough?

By Jesse Gallegos  
*A Different  
Perspective*

A great sports legend once told me that athletics can be the best equalizer. Everybody has the same goal—that is to hold the blue trophy at the end of the season.

Entering our sixth season in baseball, our Rough Riders are infants in America's Game. But don't talk limitations or excuses to the 2010-11 Luna Community squad. They are encouraged that this could be the year that the team finally reaches one of the most difficult goals for a young program—a winning record.

But the question I am asking today is if LCC can eventually become one of the most respected baseball teams in the nation? Lofty goal, isn't it?

I've been around sports a long time and if you're not going to aim high, you might as well not aim at all. Many times in athletics if you want to hang around the big dogs you can't continuously stay with the puppy's on the porch.

First year Head Coach Antonio Siqueiros says the program is heading in this direction.

"I believe LCC can become a respected baseball program nationwide in the future," he says. "In order for us to accomplish this goal it will take a lot of hard work and dedication from everyone at Luna Community College. We are heading in the right direction with our administration, faculty and staff being on the same page and working hard to develop a strong program. A large amount of talented players are now beginning to show great interest in our program which will help us become a contender."

I was fortunate enough to be working at Highlands University when Siqueiros was breaking records for the Cowboys. Siqueiros, considered one of the best baseball players in the nation regardless of classification, knows that even in a small town like Las Vegas and a small school like Luna Community College, success can be had. But like every great end-

ing, it starts with a small beginning.

"People should start believing in the Rough Rider program because it is a program that is on the rise due to the administrative, faculty, staff support and its new coaching staff," says Siqueiros. "We are working together in order to develop the best student-athlete; because a successful student-athlete is not a simple task due to its complexity. Our players learn the criteria on how to be a successful student-athlete at the collegian level. Our coaches teach

our players the right things to do in relevance to our own experiences as student athletes. Our coaching staff believes that experience is the best teacher, so we mold our players to become the best student athletes by teaching them things we wished we knew at their age. We are developing our athletes with the best tools to transfer to four year universities."

So what does the first-year coach expect from his players and staff?

"I expect nothing but hard work, dedication, determination and poise from my players and coaches," he says. "We are taking the right steps in our program to fulfill these



**Head Baseball Coach Antonio Siqueiros is asking a lot from his players and coaches**

things. We expect our players to have a clear mind when they come to the field by taking care of their studies.

Our biggest motto we have is "if you are on time you are late, if you are early you are on time." That goes for both in the classrooms and on the field. This is one of the biggest things I expect from my players and coaches because it will allow us to be on the same page and develop a road map to accomplish our short term and long term goals."

During my 10 years at Highlands, I along

**Continued on page 11**



# Diamond in the rough...

Continued from page 10

with other staff and administration where constantly telling our athletes that they are students first. Therefore they should call themselves student-athletes and we should respect them in this manner.

But let's not fool ourselves. When you are 18 and 19 years old, a false sense of invincibility sets in. Come on, we were all there once. We all think we have the world where we want it. And when this false sense of security sets in, we tend to miss a class here and there and not turn in an assignment on time.

Hey, this is a reality. We all have the major league dream. I even thought one day I would play in the NBA. But when my reality set in, the New York Knicks didn't need a 5-11, 230 pound power forward.

So what is Siqueiros and his staff doing to make sure his baseball players spend time in the library as they do on the baseball diamond?

"A positive for this year is, we keep improving and making progress everyday in the classroom and on the field," he says. "We keep striving forward in the classroom due to our study hall sessions, our players feel that it helps them improve their grades by providing them with ample amount time to work on their studies. We focus on academics first, baseball second. Our players are learning the true definition of a "student-athlete," they are students first, athletes second."

I was impressed recently during midterms. I walked into the Gerald Ortega Wellness Center and half the baseball team was taking batting practice and the other half was hitting the books. The coaching staff had set up tables behind the batting cage and would interchange periodically between studying and hitting. That's good. No, that's great. But the proof is in the pudding. I've been around great college athletes before just to be disappointed that they didn't take care of business in the classroom and therefore were not eligible for competition.

Siqueiros says that he expects a lot but he also gives a lot back to

the program. So why should some of the best out there come and play for him?

"Players should play for me (our program) because they will get nothing but 100 percent of my dedication day in and day out," he says.

"I also have a lot of experience in how to be a very successful student-athlete which I will instill on everyone. They should also play for me because I will accept them with arms open if they buy in to my program and due everything that is asked of them. The only favorite players I have are the ones who listen and do what I say. With that being said any-



**Head Baseball Coach Antonio Siqueiros says his team is bonding.**

one is welcome to our program if they think they have what it takes to perform at the collegiate level both academically and physically. Student athletes should also come play for me because our coaching staff networks with coaches all over the country that our looking for players that will fit their program. Every day we contact four year coaches to take our player, and our contacts keep on increasing."

Everyone has family. But while you are here your part of the Luna family. Siqueiros agrees.

"Our team is bonding due to the fact that most of our players are away from home and our baseball team (family away from home) is the only thing they have and I have out here," he says. "I hear that players get together and have cookouts and hangout outside the field. Without team chemistry there is no team, because team chemistry will help us have each other's backs on the field and off the field when someone is in need. We suffer together, cry together, laugh together, win together, lose together, and smile together."

Listen, my experience tells me our student-athletes make a lot of sacrifices. But life is a lot of sacrifice. They go to school all day, some of them at night. They practice long hours and are constantly traveling and somehow they juggle all this and more to become successful. My advice to all of you is although you may be looking at the end result, enjoy the journey. This is the best time of your life.

# A bright future for Luna Community College: Strengthening in-class instruction and online delivery

By Dr. Pete Campos

Luna Community College provides a dynamic educational environment rich in positive change. We constantly and consistently analyze in-class instruction and on-line educational delivery to implement progressive changes that keep the flow of instruction to students relevant and in accordance with academic standards and modern vocational techniques. We have effectively and efficiently transitioned our multi-faceted teaching techniques and methodologies to the world of technology. *The rapidly changing wave of technology has become the mechanism used by students to learn and interact in today's society.* Technology at all levels has become second-nature to students of all ages. The laptop, iPad, smart phone and other modern day technological devices are used by students to successfully complete on-line classes, compute mathematical equations, instantaneously communicate with classmates regarding assignments and text (share) their thoughts on instruction, relationships and career aspirations with others – often in other locations like Albuquerque and Denver.

The financial and human investment we make in technology today will generate tremendous returns in the future. As students of all ages become more accustomed to utilizing quick technological means to communicate; solve complex mathematical problems, write stories that will be grammatically corrected before you can snap your fingers and intense data and research will be verified as the student visits appropriate and renowned web sites.

As interactive teaching and learning becomes more commonplace, our intent is to advance with an infinite landline, satellite and wireless bandwidth system so information flows freely and at the highest speed possible from the instructor to the student and vice-versa. On-line teaching and learning is the key to placing reliable and affordable post-secondary education within reach of people who might otherwise not be able to access it. The global world of education has become such that people search the web for good educational opportunities that fit their ambitions, interests, career needs, pocketbook and expectations for academic stimulation. Our focus is on keeping current with programmatic offerings and state-of-the-art technology hardware, software and delivery that assists students so they mature in competence and are able to ascertain and enjoy high paying jobs in today's global and constantly changing economic market.

Our hybrid multi-dimensional programs of study consisting of in-

class and on-line components serve as a reminder to employers that the methods used to educate students are flexible and often changing. This means that the world of work must also conform to the expectations of today's students. They require: fast and accurate access to pertinent information; reliable equipment to produce secure personal transactions; and, a keen grasp of technology terminology to communicate in the fast paced age of technology commerce, information and transactions.

Technology, in just a few years will change even more and become more intricately woven into the fabric of academic and vocational instruction. To maintain academic and vocational programs, technology services and equipment, relevant degrees and certificates, the best education possible and a leading edge as a community college we must keep our strategic plan current, update methods to push through a well thought-out plan for program excellence and support an earmarked revenue stream for staff, program and equipment sustainability to be highly competitive to attract students and meet the changing challenges of education.

Today's students are academic and vocational program shoppers. They expect a quality education, at an affordable cost with the highest return for their dollar. They want to become informed, learn the essentials and be prepared to enter the world of work at mid-level salary ranges. This means, if a student must, he or she will bundle courses from different institutions, earn multiple degrees or certifications in the shortest time possible and present their credentials earned from accredited institutions to prospective employers or enter educational programs while on-the-job to gain career upward mobility. The students agile ability to communicate and solve problems as a team member, utilize the latest in technology tools and maintain a high level of self confidence are key components to our social and economic well-being.

*The future of education at Luna Community College is driven by the needs of our students.* They are astute, motivated to a high degree by quality on-line programs and will shop around until they find what they need to successfully gain employment and solidify a strong career path. So, we must remain informed of educational trends, provide the resources to remain ahead of the technological curve and be an attractive technology provider for teaching and learning. ***Our students deserve and expect it!***

*The rapidly changing wave of technology has become the mechanism used by students to learn and interact in today's society.*

# LCC: "The People's College"