

# BULLETIN

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www.ncsu.edu/BulletinOnline/

NC STATE UNIVERSITY

News for the North Carolina State University Community

## NC State celebrates 50th anniversary of first African-American undergrads

In 1956, Edward Carson, Manuel Crockett Jr., Walter Holmes and Irwin Holmes Jr. became the first four African-American undergraduate students to enroll at NC State.

On Oct. 18, those four were honored in a campus ceremony that served as the kickoff to a yearlong 50th anniversary celebration.

Also honored were Hardy Liston Jr. and Robert Lee Clemmons – the first two African-American students at the university who enrolled in graduate school in 1953 – and Norma Wright Garcia, NC State's first African-American female student.



Yearbook photos of, l-r, Edward Carson, Manuel Crockett Jr., Irwin Holmes Jr. and Walter Holmes, the first African-American undergraduate students to enroll at NC State

"The 50th anniversary of the enrollment of these students marks a significant milestone in the history of the university," said Dr. Tracey Ray, director of NC State's Department of Multicultural

Student Affairs and co-chair of the celebration's task force. "These individuals provided leadership to the campus

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## University offers employees help with child care

Building upon its commitment to make top-quality child care available to its employees, NC State has agreed to subsidize the costs for those enrolled through the university's partnership with Bright Horizons' Raleigh Corporate Center (BH-RCC).

The university will provide a 15 percent subsidy to all employees with a child enrolled full-time at BH-RCC. In addition, families with an annual income under \$90,000 will be

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## NC State to sign agreements with top Chinese universities

In an Oct. 11 campus ceremony, NC State announced plans to enter a number of academic partnerships with some of the top-ranked universities in China.

The agreements will transform international studies at the university, create new avenues for graduates to compete globally and help the state and its people link to one of the world's fastest-growing economies to better meet the challenges of globalization.

In a whirlwind trip to China Oct. 22 to Nov. 1, Provost Larry Nielsen, Interim Vice Provost for International Affairs Bailian Li and Dr. Duane Larick, associate dean of the Graduate School, will formally sign six academic agreements

with Chinese universities, including the three highest-ranked universities in China: Peking University, Tsinghua University and Zhejiang University. NC State administrators will also cement ties with China Agricultural University, Beijing Forestry University and Graduate University of Chinese Academy of Sciences.

The agreements would build long-term bases for NC State student and faculty international experiences, as well as codify master's degree programs for some of the Chinese students. Research, summer-study and student-exchange program agreements will also be signed during the trip.

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Dr. Shaozhong You (far right), minister counselor of the education office of the Embassy of the People's Republic of China, greets Provost Larry Nielsen as Bailian Li (second from right), interim vice provost for international affairs, looks on during an Oct. 11 ceremony announcing plans for the university to enter academic partnerships with leading Chinese universities. (Photo by Roger Winstead)

## NC State, Hoban reach agreement on MySpace use

Campus officials have reached an agreement with a sociology professor that will allow him to continue using the popular social networking Web site MySpace for assignments in a distance education course offered through the university.

Dr. Tom Hoban, professor of sociology and anthropology, was using MySpace instead of the

SEE MYSPEACE, PAGE 3

## Researchers get \$3.5M to design HIV treatment strategies

Researchers at NC State have received a \$3.5 million grant from the National Institute of Allergy and Infectious Disease (NIAID) to develop mathematical and statistical models that will aid in designing new treatment strategies for HIV patients.

The researchers hope that the grant will help them devise a mathematical model that can predict the best course of treatment for "acutely" infected HIV patients, or patients who have recently been infected with the virus.

Dr. Tom Banks, mathematics professor and director of NC State's Center for

Research and Scientific Computation (CRSC); Dr. Marie Davidian, professor of statistics and member of CRSC; Dr. Eric Rosenberg, clinician at Massachusetts General Hospital, professor at Harvard Medical School, and CRSC member; and Dr. Hien Tran, professor of mathematics, associate head of the Department of Mathematics, and CRSC member, were recipients of the five-year grant.

"Based on what we know about HIV, there is really no consensus on the best treatment for acutely infected individuals," Davidian says. "The medical community needs to know how immediate drug therapy may affect the patient's own ability to cope with the disease and the treatment itself down the line."

When a patient is first infected with HIV, the amount of virus present in the bloodstream, or viral load, skyrockets. Current drug therapies can quickly bring that viral load down to a "set point," or stable level. However, even without drug therapy, the patient's viral load decreases to a set point over time, leading some researchers to wonder whether it's best to allow a patient's body to adapt to the virus naturally, or whether allowing the body to cope with acute infection, and thus "learn" the virus, actually damages the immune system beyond repair.

In addition, HIV patients tend to develop drug resistance or reactions to

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NC STATE  
**achieve!**  
Innovation in Action

# Benefits of campus growth outweigh inconveniences

By Charles D. Leffler, VICE CHANCELLOR FOR FINANCE AND BUSINESS

All you have to do is look out your window or step out your door to realize the entire campus is undergoing some form of new construction or renovation. We are entering year six of the bond construction program and it's clear that extensive progress has been made – the footprint of our campus is changing.

But as we all know, great achievement equates to sacrifice – these campuswide improvements are not being made without inconvenience – and the “pain” of construction is far from over. This fall, two major projects will impact North and Central Campus parking.

The new Math and Statistics building broke ground Oct. 13 in the old Riddick Stadium area. The building footprint and staging area eliminate most of the “B” zone parking in this area – approximately 67 parking spaces will remain. Visitors will be directed to the

Coliseum Deck. Although sufficient “B” zone parking remains and long-term plans call for a new parking deck, traffic and parking patterns for North Campus residents will have to change in the interim.

The First Year College has broken ground on Cates Avenue. This 22,000-square-foot, three-story building will facilitate services for approximately 800 incoming freshmen each year. Although this new building greatly enhances our freshmen programs, it also impacts traffic and removes parking from a high-demand parking area for staff and students.

Faculty, staff and students may also



find their daily routines impacted by the improvements currently underway at the Carmichael Gym. The addition, which is scheduled for completion in mid-August 2007, will house new aerobics facilities and cardiovascular equipment. While the benefits of a world-class fitness facility on campus are clear, during the construction phase the impact on parking is painful – 67 staff spaces unavailable and a permanent loss of 24 parking spaces that will be relocated to other areas of campus.

I also encourage you to take advantage of other modes of transportation – ride the Wolfline bus, ride a bicycle or walk to your next meeting. You'll not only help to improve air quality around campus and relieve congestion, but also contribute to your own personal health. For more information on any of these transportation modes or to find out more about carpooling/vanpooling incentives,

visit [www.ncsu.edu/wolftrails](http://www.ncsu.edu/wolftrails).

As we shift toward a more pedestrian-friendly campus, I strongly urge you to do all you can to stay informed about projects that will ultimately affect your day-to-day lives. Please visit Facilities and Transportation Web sites; join listservs to learn the latest traffic and parking impacts; talk with your building liaison and others to stay informed. Better yet, invite Facilities and Transportation staff to your departmental meetings; they appreciate the opportunity to share information and answer questions.

As always, thanks for your continued cooperation and commitment to positioning ourselves to be the greatest land-grant institution in the country. Our newly renovated buildings and new construction are the catalysts that energize our vision of excellence at NC State. ■

## 50th

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that lives on today. We want to celebrate these individuals, their achievements and their legacy, and set the stage for the next 50 years. We are excited about what this year means for NC State.”

Other planned commemoration events for the upcoming calendar year include a lecture by Dr. Nell Painter, former history professor and director of the African-American studies program at Princeton, a film series, historical spotlights on the academic and athletic achievements of African-American students at NC State, and the production of a 50th anniversary publication and DVD.

Carson and Crocket enrolled at NC State in the summer of 1956, becoming the first two African-American undergraduates at the university. In the fall, they were joined by Walter and Irwin Holmes, who are not related. All four were engineering students. Walter Holmes became the first black member of NC State's marching band and the first black tennis player at NC State. Manuel Crocket and Irwin Holmes were the first African-American athletes in the Atlantic Coast Conference as members of the track team in 1957.

“These students were not just here to take classes, they also came to engage in student activities,” says Felicia Baity, co-chair of the commemoration task force along with Ray. “Through this program,

we want to take people back to 1956 to show what the United States, North Carolina and NC State's campus was like at that time.”

In 1960, Irwin Holmes became the first black student to receive an undergraduate degree from NC State. Carson and Walter Holmes received their degrees in 1962. Manuel Crocket eventually transferred to North Carolina Central, where he completed his degree in 1962. Carson and Crocket currently live in Raleigh, while Irwin Holmes lives in Durham. Walter Holmes lived in Durham until his death on March 13, 2004.

For more information on upcoming celebration events, visit [www.ncsu.edu/msa/goldenanniversary.php](http://www.ncsu.edu/msa/goldenanniversary.php) or call 515-3125. ■

## HIV

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the medications the longer they are treated, necessitating frequent “drug holidays.” So the question becomes not only whether to treat these patients immediately, but also, how long should each treatment interval last.

Fortunately, the researchers exploring these questions have data on their side: more than five years of patient treatment data from Dr. Rosenberg.

“The first step is to use existing data to define a mathematical model that can show us what happens to acutely infected patients when they are treated or not treated,” Banks says. “Then we extrapolate from the existing data using statistical methods, to see what the model predicts will happen under no treatment or under a given treatment interval. Based on the results, we can design a clinical trial to see if the data from actual patients match the predictions.”

The model takes into account a number of patient variables, such as viral load and how long they've been infected, which vary within the patient population. “Once we're convinced that this model is accurate, we can then simulate virtual patients by combining it with a statistical model for the variation in the patient population in order to test treatment theories, to determine the most promising treatment times and durations for optimum results,” Davidian says.

Eventually Rosenberg will run clinical trials with actual patients to test their results. If all goes well, the research could lead to a new approach for treating acutely infected HIV patients – one that takes into account personal variables for each patient and tailors treatment accordingly.

“It's not a cure, but maybe it can improve the quality of treatment these patients receive,” Davidian says. ■

## BULLETIN

North Carolina State University  
Raleigh, North Carolina  
Dr. James Oblinger, Chancellor



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### Distribution to faculty and staff

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### Deadlines

Information may be sent by mail to *Bulletin*, Box 7504, by fax to 515-2556 or by e-mail to [bulletin@ncsu.edu](mailto:bulletin@ncsu.edu). Deadline is noon Tuesday 10 days before publication. The deadline for the Nov. 10 edition is Oct. 31. For information, call 515-3470 or go to the *Bulletin Online* at:

[www.ncsu.edu/BulletinOnline/](http://www.ncsu.edu/BulletinOnline/)

## Child

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eligible to receive an additional 10 to 40 percent subsidy, based on income level.

For example, the center's regular monthly rate for a two-year-old is \$1,083. Under the university's new agreement, families with an income over \$90,000 would receive a 15 percent subsidy, lowering the cost to \$921, a savings of \$162. Families with an income between \$70,000 and \$89,999 would receive an additional 20 percent subsidy, lowering the monthly rate to \$736, a total savings of \$347. Families with an income between \$40,000 and \$69,999 would receive an additional 30 percent subsidy, lowering the monthly rate to \$644, a total savings of \$439. For those families with an income under \$40,000, an additional 40 percent subsidy would lower the monthly rate to \$552, a total savings of \$531.

Bright Horizons' rates vary according to the age of the child. For those with infants in the facility and incomes under \$40,000, the university subsidy would

reach \$530 per month.

NC State announced in August that it had secured more than 20 slots at BH-RCC as an interim solution to its employees' need for convenient, reliable, high-quality child care. Bright Horizons is located about 10 minutes from campus at Raleigh Corporate Center.

Employer-sponsored child care benefits, including the subsidies and any reimbursements received through a dependent-care flexible spending account, are subject to a \$5,000 annual pre-tax maximum per family.

To view the complete BH-RCC subsidy chart and obtain details on tax implications, visit [http://news.ncsu.edu/faculty/101806\\_childcare\\_subsidy.htm](http://news.ncsu.edu/faculty/101806_childcare_subsidy.htm).

Dependent-care flexible spending accounts (FSAs) are among the choices included in the benefits open enrollment period that ends on Nov. 2. For information on FSA accounts, visit [www.ncsu.edu/hr/benefits/flexspend\\_acct.asp](http://www.ncsu.edu/hr/benefits/flexspend_acct.asp).

For more information on the university's WolfPup Child Care Program, including BH-RCC enrollment forms, visit [www7.acs.ncsu.edu/benefits/child\\_care/](http://www7.acs.ncsu.edu/benefits/child_care/). ■

# China

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Numbers of students in exchange and study-abroad programs would be in the dozens in the first few years of the initiative and hundreds thereafter, NC State officials say. The new program starts in summer 2007, when about 50 NC State students will study at Zhejiang University, while engineering students from Peking University will perform research at NC State.

"A world-class university enters world-class partnerships for the mutual benefit of both partners," said Chancellor James Oblinger. "These agreements are all about economic development and educating students in the 21<sup>st</sup> century, which means helping students develop their international credibility in a global economy."

N.C. Commerce Secretary Jim Fain agreed that the dynamics of the new world marketplace require workers to be more sophisticated when it comes to international economics. "With more and more foreign-owned companies doing business in North Carolina and more North Carolina companies exporting and producing their products overseas, the importance of understanding the relationship with an emerging economic leader such as China is critical," Fain said. "These programs should provide invaluable experiences for the students who participate in them, when they enter the job market."

NC State students would spend one semester or one academic year in China taking classes they need to complete their degree, so they wouldn't lose any progress toward their degree during their international experience, Nielsen says. Some NC State students would take classes taught by NC State professors in China, while some would take classes with Chinese professors.

"Access to a job-ready, globally savvy workforce is extremely important to employers, especially in and around Research Triangle Park" Nielsen says. "The international exposure and real-world experience in China will give NC State students a leg up when they



**Guests attending the Oct. 11 campus ceremony announcing NC State's plans to enter academic agreements with some of China's leading universities were given the opportunity to have their names written in Chinese by calligrapher Xu Xizhong. (Photo by Roger Winstead)**

compete for jobs, because they'll have experience in the global marketplace. The university will also benefit from the increased number of international students and the global perspective they bring to the classroom."

Degrees from U.S. universities make international students more competitive in the job market, and are therefore highly sought, Li says.

The NC State delegation will also meet with Chinese officials to finalize the plan for bringing a Confucius Institute to NC State. In this agreement, Chinese faculty would come to NC State to teach Chinese language and culture. San Francisco State University, the University of Kansas, the University of Maryland and Michigan State University are among the few U.S. universities that currently have Confucius Institutes on their campuses. ■

# BULLETIN BOARD

## University Open House slated for Oct. 21

NC State Open House, the university's largest student recruitment initiative, is scheduled for Saturday, Oct. 21, from 9:30 a.m. to 1 p.m. at Talley Student Center and Carmichael Gym. Open House gives high school students, their families, school counselors and teachers an opportunity to visit the NC State campus and learn about academic programs and student life. Visitors can tour campus and get information about specific majors, admissions, housing, dining, arts, athletics and more. To register or obtain more information, visit [www.ncsu.edu/openhouse](http://www.ncsu.edu/openhouse) or call 515-2434.

## Free flu shots available

Free flu shots are available to State Health Plan members and others participating in plans administered by Blue Cross Blue Shield. Those seeking free flu shots should bring their insurance card and a picture ID. Employees or dependents not enrolled in a Blue Cross Blue Shield plan may obtain a vaccination for \$25 (cash or check). To register or obtain additional details, visit [www7.acs.ncsu.edu/hr/benefits/enrollment/flushots/](http://www7.acs.ncsu.edu/hr/benefits/enrollment/flushots/).

## Campus CPR Challenge slated for Nov. 10-11

The inaugural NCSU Campus CPR Challenge will be held on Friday, Nov. 10, and Saturday, Nov. 11, at Carmichael Gym. All students, faculty, staff and their families are invited to attend and earn their American Red Cross CPR/AED certification. The cost is \$20 per person for those who register by Nov. 9 and \$30 after that date. Classes begin at 8:30 a.m. and 1 p.m. each day. For more information, visit [www.ncsu.edu/carmichael/subs/cpr.php](http://www.ncsu.edu/carmichael/subs/cpr.php) or contact Bobby Blair at 513-0522 or [robert\\_blair@ncsu.edu](mailto:robert_blair@ncsu.edu).

## Police Department to hold public information session

As part of an on-site assessment for accreditation, Campus Police will hold a public information session on Monday, Nov. 6, at 7 p.m. in the Blue Room of Talley Student Center. Department employees and members of the community are invited to offer comments.

The accreditation program requires agencies to comply with state-of-the-art standards in four basic areas: policy and procedures, administration, operations and support services.

Comments may also be made by calling 795-1756 on Nov. 6 between the hours of 1 and 4 p.m. Comments, whether in person or by telephone, are limited to 10 minutes, and must address the department's ability to comply with accreditation standards. A copy of the standards is available for review at the Campus Police office, located at 2610 Wolf Village Way. For more information, contact Tim Johnson at 515-5944.

## Retirement reception planned for Donaldson

Members of the campus community are invited to a reception honoring Alan Donaldson, who recently retired after 30 years of service at NC State. The reception will be held on Friday, Oct. 27, from 5-6:30 p.m. in the Atrium of the College of Textiles. Donaldson was a professor and program director of textile design in the College of Textiles. For more information, contact Andrea Hord at 515-6633. ■

# MySpace

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university's learning management tool as the home site to teach his sociology 395 course on social movements.

Hoban had claimed that the university's applications didn't have social networking and other capabilities that MySpace offered. University officials were concerned that using MySpace might violate student privacy and disability access laws.

At a meeting on Oct. 6, Hoban and a group of campus administrators reached a solution. Hoban can continue using MySpace for course assignments, but the official course Web site had to be moved to WebCT Vista, one of the university's online course applications.

"This issue was never about stifling a faculty member's creativity, it was about the course delivery mechanism," said Dr. Katie Perry, senior vice provost for academic affairs. "The concerns were once the course went off of NC State's system, were the privacy issues

dealt with for students and was the system going to be disability accessible? I think Dr. Hoban was receptive during our meeting and realized we were just looking out for our students and trying to be compliant with the things we must comply with as a public institution.

"Additionally, MySpace had no advantages over our tools other than it linked to the outside world."

Efforts to reach Hoban were unsuccessful.

University officials felt that using MySpace for an online course might violate students' privacy as outlined under the Family Educational Rights and Privacy Act (FERPA), which limits the amount of information institutions can release about students. Previously, visitors to Hoban's course page on MySpace could see a list of students who were enrolled in the class and click to access their individual profiles. Hoban has since set the course page to private, meaning only those registered in the course can access the page.

Compliance with the Americans with Disabilities Act was another issue of concern for the university. Although no stu-

dents in Hoban's class requested disability accommodations this semester, the university will explore the issue further for future semesters.

Another issue raised during the meeting was whether offering a class on MySpace violated the Web site's policy against commercial use. Perry said Hoban contacted MySpace officials, who gave him the OK to continue teaching the class on the site.

The popularity of social networking sites such as MySpace as well as other technologies certainly raises questions about how they might be used in an academic environment, Perry says. Based on some of the issues that were raised in working with Hoban, university officials are beginning to draft a regulation to clarify and provide guidance on the use of popular Web sites and emerging technology in teaching.

Dr. Tom Miller, vice provost for Distance Education and Learning Technology Applications (DELTA) was asked to take the lead in drafting the regulation, which would then be presented to numerous campus groups. ■

## Chancellor chairs NAS summit

Chancellor James Oblinger recently chaired a two-day National Academy of Sciences summit in Washington, D.C., titled "A Leadership Summit to Effect Change in Teaching and Learning."

The summit brought together leaders in education, government and industry to examine ways of improving undergraduate education – and producing a flexible, well-trained workforce – in agriculture, environmental and life sciences, and related disciplines.

A committee of the Board on Agriculture and Natural Resources, the group will prepare a report to identify opportunities to bring about change in undergraduate programs that will enable those programs to produce a flexible, well-prepared workforce. That report is expected in late 2007. ■

**20** Friday**Women's Swimming/Diving Meet**

Wolfpack vs. Gardner-Webb University and Campbell University, 5 p.m., Willis Casey Aquatic Center

**Volleyball Match**

Wolfpack vs. Boston College, 7 p.m., Reynolds Coliseum

**21** Saturday**University Open House**

9:30 a.m.-1 p.m., Talley Student Center and Carmichael Gym. For more information, including registration, visit [www.ncsu.edu/openhouse](http://www.ncsu.edu/openhouse).

**Volleyball Match**

Wolfpack vs. University of Maryland, 6 p.m., Reynolds Coliseum

**23** Monday**Entomology Seminar**

"Beauty and the Beast: SIT for Area-Wide Management of the Codling Moth in British Columbia, Canada," Dr. Ken Bloem, Florida A&M University, 11:15 a.m., 2405 Williams Hall

**Horticultural Science Seminar**

"Genetic and Quantitative Analysis of Red Raspberry (*Rubus idaeus*) for Heat Tolerance and Longer Chilling Requirement," Ramon Molina Bravo, and "Induction of Allelochemicals in Rye," Cristine Sickler, NC State, 3 p.m., 159 Kilgore Hall

**College of Management Lecture**

Wachovia Executive Lecture, Jack Goldfrank, MeadWestvaco Corp., 4:30 p.m., Nelson Hall Auditorium

**Plant Pathology Seminar**

"Strategies for the Development of Resistance to Cercosporin, a Photoactivated Toxin Produced by *Cercospora* Species," Dr. Margo Daub, NC State, 4 p.m., 2722 Bostian Hall

**24** Tuesday**Ag/Resource Economics Seminar**

"Probabilistic Models of Yield, Price, and Revenue Risks for Fed Cattle Production," Eric Belasco, NC State, 3:40 p.m., 4210 Nelson Hall

**Toxicology Seminar**

"Targeting Cancer Cells with Plant Virus Nanoparticle Therapeutics," Dr. Steve Lommel, NC State, 3:50 p.m., 2104 Toxicology Building

**Africana Studies Lecture**

"It's a New World Order: The Critical Need for Black Studies Majors in the 21st Century," Dr. James Stewart, Penn State University-McKeesport, 7 p.m., Room 126, Witherspoon Student Center

**Calendar Submissions**

NC State-sponsored events are published in the calendar. Submissions should state the time, date, place, sponsor and title of event, the name of the speaker and his or her affiliation, the admission cost and the name and telephone number of the contact person.

Send items to **Calendar Editor, NC State News Services, Box 7504, or fax to 515-2556**. The deadline is noon, Tuesday, 10 days before the publication date. For the Nov. 10 calendar, the deadline is Oct. 31.

For more information about *Bulletin* submission policies, go to the *Bulletin Online* at:

<http://www.ncsu.edu/BulletinOnline/>.

**25** Wednesday**Women's Soccer Match**

Wolfpack vs. High Point University, 3 p.m., Method Road Soccer Stadium

**Soil Science Seminar**

"Regulation of Soybean Seed Phytic Acid by Phosphorus Nutrition and Genetics," Dr. Daniel Israel, NC State, 3:40 p.m., 2215 Williams Hall

**Basketball Games**

Wolfpack men and women in Red/White Game, 7 p.m., Reynolds Coliseum

**Men's Soccer Match**

Wolfpack vs. Gardner-Webb University, 7 p.m., SAS Soccer Stadium, Cary

**Center Stage Performance**

East Village Opera Company, rock opera, 8 p.m., Stewart Theatre. Tickets are \$24-\$28, to purchase call 515-1100 or visit [www.ticketcentral.ncsu.edu](http://www.ticketcentral.ncsu.edu)

**26** Thursday**Microbiology Seminar**

"Immunobiotic Regulation of Mucosal Immune Responses by *Lactobacillus reuteri* – An Indigenous Component of Human and Animal Microbiomes," Dr. Walter Dobrogosz, NC State emeritus, 11 a.m., 2104 Toxicology Building

**Engineering Lecture**

36th Henry M. Shaw Lecture, "Engineering for Sustainability – The Future of Civil and Environmental Engineering: Relevance and 21st Century Problems," Dr. Richard Luthy, Stanford University, 1:30 p.m., 216 Mann Hall

**Biochemistry Seminar**

"LPD Nanoparticles for the Delivery of siRNA and Cancer Vaccine," Dr. Leaf Huang, University of North Carolina-Chapel Hill, 4 p.m., 128A Polk Hall

**Women's Center Event**

Take Back the Night, walk and rally to promote sexual assault awareness, prevention and safety on campus, 7 p.m., North Plaza (behind Talley Student Center)

**27** Friday**Research Ethics Seminar**

"Challenges for Research Ethics at Land-Grant Universities," Dr. Gary Comstock, NC State, 3:30 p.m., Faculty Senate Chambers, D.H. Hill Library

**Statistics Seminar**

"Marginal Asymptotics for the 'Large P, Small N' Paradigm: With Applications to Microarray Data," Dr. Michael Kosorok, University of North Carolina-Chapel Hill, 3:35 p.m., 206 Cox Hall

**Volleyball Match**

Wolfpack vs. Virginia Tech, 7 p.m., Reynolds Coliseum

**28** Saturday**Women's Center Event**

SafeSkills Self-Defense Workshop, 12:30 p.m., Walnut Room, Talley Student Center, open to women only, free to first 20 participants, call 515-2012 to register

**Men's Swimming/Diving Meet**

Wolfpack vs. University of Tennessee, 1 p.m., Willis Casey Aquatic Center

**Women's Soccer Match**

Wolfpack vs. University of Virginia, 2 p.m., Method Road Soccer Stadium

**Volleyball Match**

Wolfpack vs. University of Virginia, 6 p.m., Reynolds Coliseum

**30** Monday**Entomology Seminar**

"The Role of Vector Saliva in Transmission of Arthropod-Borne Disease," Jeanette Bishop, Colorado State University, 11:15 a.m., 2405 Williams Hall

**Horticultural Science Seminar**

"Musings of a Plant Retailer – Trends from Horticulture and Business," Joe Stoffregen, Homewood Nursery and Garden Center, Raleigh, 3 p.m., 159 Kilgore Hall

**Plant Pathology Seminar**

"Plant Host Interactions with *Pseudomonas syringae* Type III Effector Proteins That Are Injected Into Host Cells," Dr. Jean Greenberg, University of Chicago, 4 p.m., 2722 Bostian Hall

**Book Reading**

Short story writer Amy Hempel, author of "At the Gates of the Animal Kingdom," "Tumble Home," and "The Dog of the Marriage," 7:30 p.m., Caldwell Hall Lounge

**31** Tuesday**Toxicology Seminar**

"Gut Wrenching: A Chemical Genetic Investigation of Digestive Organ Development and Disease," Dr. Nanette Nascone-Yoder, NC State, 3:50 p.m., 2104 Toxicology Building

**1** Wednesday**Women's Center Event**

"Women in Politics," 6 p.m., Blue Room, Talley Student Center

**Music@NCState Concert**

Jazz Ensemble I, 7 p.m., Talley Student Center Ballroom. Tickets are \$10. To purchase visit [www.ticketcentral.ncsu.edu](http://www.ticketcentral.ncsu.edu) or call 515-1100

**Women's Basketball Game (Exhibition)**

Wolfpack vs. Premier Players, 7 p.m., Reynolds Coliseum

**2** Thursday**Biochemistry Seminar**

Dr. Brenda Hogue, Arizona State University, 4 p.m., 128A Polk Hall

**3** Friday**Statistics Seminar**

"Bayesian Methods for Genomics with Variable Selection," Dr. Marina Vannucci, Texas A&M University, 3:35 p.m., 206 Cox Hall

**Philosophy Seminar**

GlaxoSmithKline Lecture on Ontology, "Measuring Semantic Space: Order Theory for Knowledge Discovery and Integration," Dr. Cliff Joslyn, Los Alamos National Laboratory, 4 p.m., 114 Winston Hall

**Men's Basketball Game (Exhibition)**

Wolfpack vs. Northern State University, 7 p.m., RBC Center

**4** Saturday**Football Game**

Wolfpack vs. Georgia Tech, TBA, Carter-Finley Stadium

**Men's and Women's Cross Country**

Wolfpack in Wolfpack Invitational, TBA, Cary

**6** Monday**Entomology Seminar**

"Potential for Bluetongue Transmission in Southern Alberta," Tim Lysyk, Lethbridge Research Centre, Agriculture and Agri-Food Canada, 11:15 a.m., 2405 Williams Hall

**Genetics Seminar**

"Evolutionary Capacitors and Evolvability," Dr. Joanna Masel, University of Arizona, 1:30 p.m., 2405 Williams Hall

**Horticultural Science Seminar**

"Reflections of a North Carolina Berry Breeder," Dr. Jim Ballington, NC State, 3 p.m., 159 Kilgore Hall

**Plant Pathology Seminar**

"Working Towards a More Complete Picture of the Chestnut Blight Fungus: Viruses and Transposons of *Cryphonectria parasitica*," Dr. Bradley Hillman, Rutgers University, 4 p.m., 2722 Bostian Hall

**7** Tuesday**Volleyball Match**

Wolfpack vs. University of North Carolina-Chapel Hill, 7 p.m., Reynolds Coliseum

**Men's Basketball Game (Exhibition)**

Wolfpack vs. St. Augustine's College, 7 p.m., RBC Center

**8** Wednesday**Soil Science Seminar**

"Evaluation of Antibiotic Resistance Profiles of Enteric Bacteria in Swine Manure Before and After Lagoon Treatment," Leilei Qian, NC State, 3:40 p.m., 2215 Williams Hall

**Philosophy Seminar**

"Knowledge and Good: Reflections on Rawls," Dr. Richard Kraut, Northwestern University, 4 p.m., 122 Winston Hall

**Wrestling Meet**

Wolfpack vs. Liberty University and Campbell University, 6 p.m., Reynolds Coliseum

**9** Thursday**Biochemistry Seminar**

Dr. Karthik Aghoram, Meredith College, 4 p.m., 128A Polk Hall

**Women's Basketball Game**

Wolfpack vs. High Point University in Preseason Women's National Invitational Tournament, 7 p.m., Reynolds Coliseum

**Center Stage Concert**

Kurt Elling, jazz vocalist, 8 p.m., Stewart Theatre. Tickets are \$26-\$30. To purchase, visit [www.ticketcentral.ncsu.edu](http://www.ticketcentral.ncsu.edu) or call 515-1100

**10** Friday**Microbiology Seminar**

Leo T. Parks Lecture, "Analysis of Bacterial Growth," Dr. Patrick P. Dennis, National Science Foundation, 1 p.m., York Auditorium, JC Raulston Arboretum

**Statistics Seminar**

"The Odd Couple Revisited: Variable Selection for Grouped Predictors with OSCAR and FELICS," Dr. Howard Bondell, NC State, 3:35 p.m., 206 Cox Hall

**Volleyball Match**

Wolfpack vs. Georgia Tech, 6 p.m., Reynolds Coliseum

**Men's Basketball Game**

Wolfpack vs. Wofford College, 7 p.m., RBC Center

**Ongoing****Campus Cinema**

- "Keeping Up With the Steins," Oct. 21, 10 p.m.; Oct. 22, 7 p.m.
- "Pirates of the Caribbean: Dead Man's Chest," Oct. 20, 6 p.m.; Oct. 21, 7 p.m.; Oct. 22, 9 p.m.
- "Invisible Children," Oct. 23, 7 p.m., free
- "The Descent," Oct. 26 and 28, 9 p.m.; Oct. 27 and 29, 7 p.m.
- "Alien," Oct. 27 and 29, 9:30 p.m.; Oct. 28, 7 p.m.; free
- "The Shining," Oct. 30, 9 p.m. at Harris Field, free
- "Talladega Nights: The Ballad of Ricky Bobby," Nov. 2, 7 p.m.; Nov. 3, 4 and 5, 9:30 p.m.
- "February One: The Story of the Greensboro Four," Nov. 2, 9:30 p.m., free
- "Habana Blues," Nov. 3, 7 p.m., free
- "Cars," Nov. 3, 4 p.m.; Nov. 4 and 5, 7 p.m.
- "John Tucker Must Die," Nov. 9, 7 p.m.; Nov. 10, 9 p.m.
- "Wordplay," Nov. 9, 9 p.m.; Nov. 10, 7 p.m.

**Gallery of Art & Design Exhibits**

"Sid Oakley – Artist, Mentor, Friend," through Dec. 21, and "Resplendent Reds – 19th Century Turkmen Textiles," Oct. 26-Dec. 21, Gallery of Art & Design

**University Theatre Performances**

- "Ponies, Shovels and Darkness," student studio production, Oct. 20-21, Thompson Theatre, \$5 at the door
- "Bourbon at the Border," Nov. 2-4 and Nov. 8-11, 8 p.m.; Nov. 5, 3 p.m.; Thompson Theatre. Tickets are \$14-\$16. To purchase, call 515-1100 or visit [www.ticketcentral.ncsu.edu](http://www.ticketcentral.ncsu.edu)