

Bio-Bits

**A Newsletter from Brookdale's Biology Department
November 2006**

REGISTER FOR SPRING CLASSES

It is almost time to register for Spring, 2007 classes! *Priority registration*, which is based on the number of Brookdale credits a student has, runs from November 7th – 22nd. Letters notifying students of their priority registration dates are mailed home. *Open registration* begins November 27th.

Many students are eligible to *register online*. To check online eligibility requirements, go to the Brookdale home page (www.brookdalecc.edu) and click the following: "Webadvisor" (under "In the Spotlight"), "Webadvisor for Students" (left column), and "FAQ" (upper right corner), Question #25.

BIOLOGY COURSE OFFERINGS

The Biology Department is offering 17 different courses this Spring – 9 in Biology and 8 in Horticulture. If you have any questions about course content, please speak to a member of the Biology Faculty in Room NAS 049.

BIOLOGY COURSE OFFERINGS:

BIOL105 – Life Sciences (4-credits; lab course)
BIOL107 – Human Biology (3-credits; no lab)
BIOL101 – General Biology I
BIOL102 – General Biology II
BIOL111 – Human Anatomy and Physiology I
BIOL112 – Human Anatomy and Physiology II*
BIOL125 – Introduction to Plants
BIOL206 – Vertebrate Zoology
BIOL213 – Microbiology*

HORTICULTURE COURSE OFFERINGS:

HORT115 – Soil Science
HORT125 – Landscape Plant Materials I
HORT151, 152, 153 – Floral Design I, II, III
HORT185 – Landscape Design
HORT186 – Landscape construction
HORT225 – Turf Management

Special Projects and Independent Study Options are available in both Biology and Horticulture.

Horticulture Majors: Counselor Steve Probert will assist students registering for Horticulture Classes on Thursday, November 7th between 6:00 – 7:00 PM in NAS 011. Refreshments will be served.

***Division Registration Passes for BIOL112 and BIOL213:** Division passes for BIOL112 and BIOL213 will be distributed by the Science and Technologies Division Office (adjacent to MAN108) from 9:00 AM – 4:00 PM beginning October 31st. Passes are allocated on a priority basis to degree students in Math/Science and Health Science Programs. The purpose of the

Priority Pass System is to ensure that (a) science majors and (b) health science students *in or on waiting lists for clinical course work* can complete their academic requirements. Open registration for BIOL112 and BIOL213 starts Tuesday, November 21st.

TRANSFER RESOURCES

Brookdale's Transfer Resources/Articulation Office works with four-year institutions to ensure maximum transferability of Brookdale courses. Students planning to transfer or continue their educations at four-year colleges after graduation should access the **Transfer Resources Website**. The Website contains online college catalogs, information on transfer and transfer scholarships, and a link to **NJTransfer**, which has information on *where students can transfer their community college courses in New Jersey*. To access the website, go to the Brookdale homepage (www.brookdalecc.edu) and click the following: "Current Students" (left column), "Transfer Resources" (left column) and then "Online College Catalogs", "Transfer Scholarships", or "NJTransfer". Be sure to check the four-year NJ Institutions that accept BCC biology classes!

LAST DAY TO WITHDRAW FROM CLASSES

The last day to withdraw from classes is December 1st. A student that withdraws from a class will have a "W" appear on his/her transcript in place of a grade. Students should speak to their counselors before withdrawing. Students on financial aid also should consult with the Financial Aid Office to determine if a course withdrawal will affect their aid.

Student Success...

Biology Faculty and Learning Assistants want every student to successfully complete his/her biology class! Remember to utilize the Support Services available, including the Independent Study Labs (staffed by knowledgeable Learning Assistants), the Science Computer Lab, Faculty Office Hours and Class Recitation Sessions. If you are having difficulty with the course content, speak to your teachers about study strategies.

Learning Assistant Jenn Mathus offers This Month's Study Tip: Organization!

Keep your handouts and notes in a specific order for each class. Create a binder at the beginning of the semester and use tabbed folders to separate units. Within each unit, develop subcategories for your personal notes, instructor handouts, quizzes and tests. Use a 3-hole punch and colorful tabs to organize new information in your binder immediately. **Stop** being the

student with papers falling out of your books or scrunched under the seat of your car! *Organization will contribute to course success!* Topics will be organized logically and you will save time by locating needed materials easily when you are ready to study! *It is never too late to organize your class materials.*

SCIENCE (BIOLOGY) CLUB

The Club met on campus October 5th and 19th and some members participated in a Beach Clean-up effort on October 21st. The next scheduled events are:

Science Movie Screenings, November 2nd: The Club is hosting a lunch time "Movie Break". Bring your favorite science-related movie and lunch! The owner of the movie selected for viewing will win a fantastic prize! Light snacks will be provided. Meet in NAS 053 at 11:30 AM.

Interpretative Hike, November 16th: Discover the tremendous biodiversity right here on campus! The hike will offer students and teachers a chance to discuss local ecology and conservation issues. Meet in NAS053 at 11:30 AM.

The club is planning a trip to the School of Conservation in Sussex County, NJ (snow shoeing, tracking and winter ecology), fundraising activities, Green Campus Initiatives and a trip to the BCC Greenhouse, among other things. Join the Fun!

For information on club activities, or to get on the club mailing list, contact:

kboccumini@brookdalecc.edu (732) 224-2857
scohen@brookdalecc.edu (732) 224-2132
lcampbell@brookdalecc.edu (732) 224-2785

ON-CAMPUS LECTURES

PENGUINS – Current Topics in Biology

As part of its Current Topics in Biology Seminar Series, the Biology Department is sponsoring a talk entitled "**Penguin Pointers**". Presenter Cynthia Claus, Director of the Jenkinson's Aquarium in Point Pleasant Beach, will bring a special guest (yes, she will bring a penguin!) to describe penguin biology and the challenges of housing penguins in the Aquarium. The seminar is scheduled for Thursday, November 16th at 5:00 PM in Room 217 of the Student Life Center (SLC217). For additional information, contact Maryann Smith at 732-224-1879 and visit the penguin programming and websites cited below. (Please Note: Seminars run between 45 minutes and one hour; ten minute Q&A periods follow the presentations.)

W.E.S.T (Women in Engineering, Science and Technology) will host Guest Speaker Dapha Havkin-Frenkel, PhD., on Tuesday, November 7th from 11:45 AM to 1:15 PM in MAC214. Dr. Havkin-Frenkel, an expert in the area of **vanilla biotechnology**, teaches and conducts research at Cook College, Rutgers University, and owns Bakto Flavors, LLC. She organized the first International Congress on Vanilla and was recently featured in *Chemical and Engineering News Magazine*. Dr. Havkin-Frenkel, a New Jersey native, earned BS and MS degrees in Agriculture, an MBA, and a Ph.D. in Food Science. A light lunch will be

served. For more information, contact Arminda Wey in the Math Department (awey@brookdalecc.edu).

BS IN NURSING FROM RUTGERS

Students planning to obtain a BS in Nursing from Rutgers should attend the Brookdale-Rutgers Partnership Open House on Thursday, November 30th between 5 – 7 PM at the Western Monmouth Campus. For more information, call (732) 625 – 7002.

FLU VACCINATIONS

The Visiting Nurse Association will be administering Flu Vaccinations to students on Wednesday and Thursday, November 29th and 30th, between 11:30 AM – 1:30 PM in MAC112. The cost of the vaccination is \$25. Call (732) 224-2106 for an appointment.

SCIENCE AND THE MEDIA

Newspaper: The New York Times publishes a special science section every Tuesday entitled "*Science Times*". Current topics and historical articles; Cost \$1.

Radio: National Public Radio (NPR; 820 AM) broadcasts a live program entitled "*Talk of the Nation: Science Friday*", every Friday afternoon between 2 and 4 PM. Host Ira Flatow and guests discuss newsworthy science topics. Archives can be accessed through scifri@sciencefriday.com

Television: Channel 13 broadcasts a variety of scientific programs each month, including the critically acclaimed NOVA and Nature Series. November broadcasts include:

Chimpanzees: An Unnatural History, Sun, Nov 5th, 8PM
Chimps caged for years in scientific research laboratories are released to sanctuaries.

America's Investigative Reports, Fri, Nov 10th, 10PM
Looks at falsification of scientific research by industrial groups.

Penguins of the Antarctic, Sun, Nov 12th, 8PM
Follows penguins through the seasons and explores the impact of climate change on their habitat and survival.

Christmas in Yellowstone, Sun, Nov 19th, 8PM
Shows wildlife and landscapes in America's first National Park.

Extinction, Tuesday, Nov 21st, 8PM
Was a major extinction 250 million years ago caused by global warming?

Living Old, Tuesday, Nov 21st, 9PM
Investigates the chronic illnesses, physical decline and health care issues that accompany living longer.

Dogs and More Dogs, Tues, Nov 28th, 8PM
Genetic research helps describe dog origins.

Websites: Penguins:

www.earthcam.com/usa/newyork/cpzo Earthcam shows the activities of penguins in the Central Park Zoo 24/7 (the website links to other earth-cams); www.pbs.org/wnet/nature/index.html leads you to a penguin information site (and other *Nature* sites); www.seabirds.org/adopt.htm is a penguin information and penguin adoption website (please note that the legitimacy of the adoption organization was not investigated).

"There is no reason for any individual to have a computer in their home." - Ken Olsen, President of Digital Equipment Corporation; *Speech to the World Future Society, 1977 (from Science Says, by Rob Kaplan, 2000).*