



countdown

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Atlantis landing at KSC planned for Friday morning



◆ Shuttle Update:

The first landing opportunity at KSC for space shuttle Atlantis is Friday at 11:41 a.m. The significant events leading up to landing are closing the payload bay doors at 7:54 a.m. and the deorbit burn at 10:34 a.m. Scheduled to follow the landing is a news conference at approximately 1:45 p.m. The post-landing crew news conference is targeted for 4:30 p.m.

◆ **ELV Update:** The LRO/LCROSS launch has been rescheduled for no earlier than June 17. NASA decided to move the launch from a June 2 window to a June 17 window to allow the LCROSS team additional time to assess its interaction with the Centaur. The Centaur is being used in a way that has never been done before. While the Centaur hardware is designed and built to reliably perform its purpose of launching spacecraft, LCROSS is using the spent Centaur as a lunar impactor. This reuse has posed technical challenges that the LCROSS team has had to address.

■ **2009 KSC BEST Barbecue** — “Come for the Food; Stay for the Fun!” The annual picnic will be held June 12 (rain or shine) from 3 to 6 p.m. at KARS Park I (Area 2). Food will be served from 3:15 to 5 p.m. All KSC/CCAFS/PAFB employees and students are invited! Activities include the homemade dessert contest, a spades tournament, auto exhibit and more. The BEST picnic is held annually to foster positive employee relations and to welcome summer stu-

dents and faculty. For more information about tickets and the event, go to: <http://best.ksc.nasa.gov/BBQ.cfm>.

■ **Education Opportunities** — *Florida Institute of Technology* now is accepting applications for the fall (15-week) term that begins Aug. 23. FIT offers a Master of Science in space systems, Master of Science in space systems management, Master of Science in computer information systems, Master of Science in computer science and Master of Science in software engineering degree. Classes are held 5 – 8 p.m. one night a week in the Rockledge or KSC location. For more information go to www.uc.fit.edu/es/spaceport.

Barry University currently is registering for the summer term that begins May 26. Classes being offered lead to undergraduate degrees in information technology, administration, legal studies, public administration, human resources and psychology, as well as master's degrees in administration and public administration.

At the undergraduate level, students may be eligible to earn up to 30 credits from work experience through the Portfolio program. In addition, Barry has moved to a new facility located at Cape Canaveral Port Authority, Maritime Center, 445 Challenger Road, Suite 109, Cape Canaveral, Fla., directly off S.R. 528 (A1A) in Port Canaveral.

The *University of Miami* graduate certificate in project management will prepare you to effectively manage projects to completion on time, under budget and within scope. No GRE or

LRO/LCROSS launch moves to June 17

GMAT is required. Courses provide full credit toward a Master of Science degree in management of technology (MSMOT). Apply today for the summer 2009 semester. For more information and to receive an application/brochure, please call Augusto Roca, program administrator, at 305-284-4100 or send e-mail to augusto@miami.edu.



■ **NASA News** — The primary mission of NASA's Spitzer Space Telescope is about to end after

more than 5-1/2 years of probing the cosmos with its keen infrared eye. This week, the telescope is expected to run out of the liquid helium needed to chill some of its instruments to operating temperatures. The end of the coolant will begin a new era for Spitzer. The telescope will start its "warm" mission with two channels of one instrument still working at full capacity. Some of the science explored by a warm Spitzer will be the same, and some will be entirely new.

Spitzer is one of NASA's Great Observatories, which include NASA's Hubble and Chandra space telescopes. For more information about Spitzer, visit: <http://www.nasa.gov/spitzer>.

Countdown is published every Tuesday & Thursday for NASA KSC employees. Deadlines are 9 a.m. Mondays & Wednesdays. E-mail news to anita.l.barret@nasa.gov. For questions or information, e-mail or call 867-2815. You can also find PDF editions of *Countdown* on the Web at: http://www.nasa.gov/centers/kennedy/news/countdown/countdown_toc.html.