Composite Structural Engineering Technology online course begins March 3

Wichita, KS, January 23, 2013 – Enrollment for the online Composite Structural Engineering Technology (CSET) Course is now open through the Wichita State University Continuing Education website at http://webs.wichita.edu/?u=conferences&p=/CSET. The 11-week course begins March 3 and includes an optional laboratory session at the National Center for Aviation Training.

The course provides students with an awareness of safety issues related to engineering, manufacturing, maintenance and certification of composite materials associated with civil aircraft structures, in accordance with AC 20-107B (Composite Aircraft Structure). It is recommended for:

- FAA Directorate/ACO engineers & industry designees participating in the certification of composite structures.
- Engineers at aerospace companies who are involved in designing and analyzing composite structures
- International Civil Aviation Authorities and their designees responsible for certification of composite structures

Course topics include challenges of composites applications; design, material and fabrication development; proof of structure; quality control of composites manufacturing processes; and maintenance interface issues. In this course students will:

- Learn the basics of composite aircraft structure certification and gain a safety awareness of related engineering, manufacturing and maintenance principles.
- Interface with expert structural engineers from industry and the Federal Aviation Administration throughout the on-line class
- Take the knowledge learned in the on-line class and apply it in a hands-on laboratory to practice principles of engineering, manufacturing, and maintenance of composite structures

The course was developed by WSU’s National Institute for Aviation Research, key industry experts and the FAA and is held twice yearly in the spring and fall. The registration deadline is Feb. 21.

NIAR supports the aviation industry by providing research, development, testing, certification and training services. Its laboratories include Advanced Coatings, Aging Aircraft, CAD/CAM, Composites & Advanced Materials, Computational Mechanics, Crash Dynamics, Environmental Test, Full-Scale Structural Test, Mechanical Test, Metrology, Nondestructive Test, Research Machine Shop, Virtual Reality and the Walter H. Beech Wind Tunnel. NIAR operates on a nonprofit budget and is the largest university aviation R&D institution in the U.S., located in Wichita, Kan., the “Air Capital of the World.”

www.niar.wichita.edu
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