

UC DAVIS EXTENSION

PROFESSIONAL AND CONTINUING EDUCATION

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NEWS RELEASE/ANNOUNCEMENT
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UC Davis Extension Courses Examine Renewable Energy: Wind, Solar and Bioenergy

Davis, Calif.—UC Davis Extension joins with the UC Davis College of Engineering, the California Energy Commission, the California Wind Collaborative, and experts from public and private agencies to present a series of one-day courses on the positive power of **Renewable Energy**.

“**Small Wind Energy Systems**” provides consumers with fundamental and practical knowledge of small turbine systems that convert wind energy into electricity for home or business. Topics include turbine aerodynamics, site feasibility, system sizing, installation and permitting, economics and California incentive programs. The course will take place Saturday, **April 28**, from 8 a.m. to 5 p.m.

Course instructors are **C.P. (Case) van Dam**, Ph.D., professor of mechanical and aeronautical engineering at UC Davis and head of the California Wind Energy Collaborative, a partnership between the University of California and the California Energy Commission; **Kevin Jackson**, mechanical engineer and long-time wind energy consultant; **John Hingtgen**, energy analyst for the California Energy Commission’s Renewable Energy Program and board member of the California Wind Energy Collaborative; and **Rob Kamisky**, graduate student of mechanical and aeronautical engineering at UC Davis.

“**Solar Energy Systems**” is a *new* course providing an overview of the theory, technologies, applications, issues and environmental benefits of solar energy for home and business owners, designers, architects, builders, roofing contractors, installers and interested members of the general public. Topics include solar resources in California, state and federal incentives for residential and commercial applications, system design and maximization, utility interconnection and net metering, and “zero-energy” dwellings. The course will take place Saturday, **May 12**, from 8 a.m. to 5 p.m.

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Course instructors are **Golam Kibrya**, Ph.D., energy specialist at the California Energy Commission and head of solar research for the California Public Interest Energy Research Program, and **Sanford Miller**, consumer education lead in the Renewable Energy Program and developer of the Guidebook for the New Solar Homes Partnership Program.

“Bioenergy Systems” is a *new* course focusing on the fundamental concepts and future potential of bioenergy systems. The course targets prospective bioenergy developers and interested members of the general public. Discussion topics include the elements of generating fuels and power from biomass: collection, handling and processing; thermochemical and biochemical conversion; biomass feedstocks and bioproducts; environmental benefits and impacts; site selection; system optimization; permitting; and bioenergy policy and economics, including California incentives. The course will take place Saturday, **June 9**, from 8 a.m. to 5 p.m.

Course instructor **Bryan Jenkins**, Ph.D., is professor of biological and agricultural engineering at UC Davis, chair of the UC Davis Bioenergy Research Group, and director of the California Biomass Collaborative.

These courses will take place at Bainer Hall on the **UC Davis** campus. All of the courses meet elective requirements for the UC Davis Extension certificate program in **Green Building and Sustainable Design**. Students who enroll in all three courses receive a substantial fee discount. For more information on these classes or to enroll, call (800) 752-0881 or visit www.extension.ucdavis.edu/engineering.

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