

## Availability of HOU Software, Curriculum, and Telescope Access

- HOU-IP (Image Processing) \$50
- HOU-IP + Curriculum Text \$200
- HOU-IP + Curriculum + Telescope Access  
+ Teacher Support + Teacher Training \$250

(Prices are subject to change.)

## How Your Institution Can Get Involved in Hands-On Universe™

Please fill in the enclosed information form and  
return it to:

Dr. Susana E. Deustua c/o Hands-On Universe™  
Ernest Orlando Lawrence  
Berkeley National Laboratory  
One Cyclotron Road, MS 50-232  
Berkeley, CA 94720

For more information:

- Visit our Web site at: <http://hou.lbl.gov>
- e-mail HOU at: [houstaff@hou.lbl.gov](mailto:houstaff@hou.lbl.gov)

or contact Hands-On Universe™ by calling  
Amelia Marshall (510-486-5236) at Lawrence  
Berkeley National Laboratory.

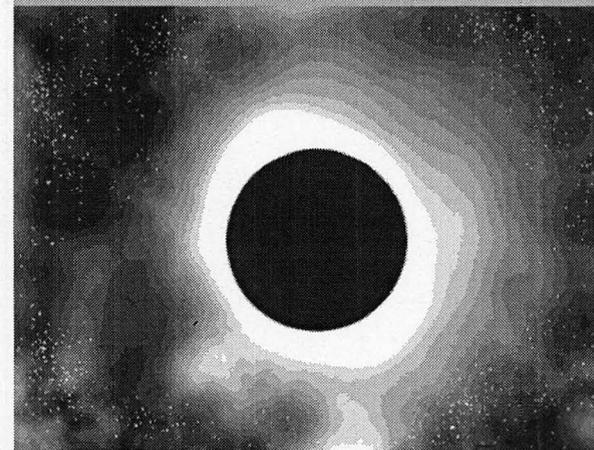
Samuel Silver Space Sciences Laboratory,  
University of California at Berkeley



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# Hands-On Universe™



Samuel Silver Space Sciences  
Laboratory,  
University of California  
at Berkeley

Ernest Orlando Lawrence  
Berkeley National Laboratory

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## Hands-On Universe™

Developed at the Ernest Orlando Lawrence Berkeley National Laboratory, Hands-On Universe™ (HOU) is a science education program that enables participants to investigate the Universe by applying tools and concepts from science, math, and technology. Using the Internet, HOU participants around the world can request observations from automated telescopes or download images from a large image archive and analyze them with the aid of user-friendly, powerful image-processing software.

HOU is working to make its unique science learning opportunities available to a wide range of diverse participants:

- High School HOU.
- HOU Teacher Workshops.
- Informal Science Education—such as in museums and planetaria.
- Middle School HOU (under development).
- Department of Defense Dependents' Schools (DODDS) HOU.
- Undergraduate HOU (under development).

## Benefits of HOU Participation

Involvement in hands-on activities where participants working together *learn* science by *doing* science.

Opportunities to *collaborate* with participants around the world using the HOU WWW site (<http://hou.lbl.gov>).

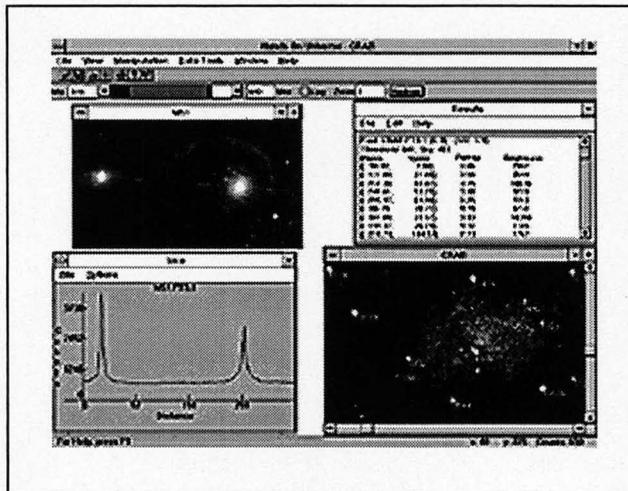


# Hands-On Universe™

<http://hou.lbl.gov>

### Use of powerful, research level tools.

Automated remote telescopes and image processing software enable participants to learn advanced skills and take charge of their own learning.



Opportunities to join with scientists doing *real astronomy research* such as discovering asteroids or monitoring a set of galaxies in your "Patch of Sky" for the appearance of a supernova.

## Requirements for Using HOU

- A PC 386DX (but preferably 486 or higher), 8 MB RAM, Windows '95, or a Mac II (or higher) is needed to run the software.
- An Internet connection with a Web browser.

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# Hands on Universe

## Information sheet

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Faculty Member Name

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Title Department

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Name of Your Institution

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Address

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Phone Fax E-mail

Does your institution have a computer lab available for use?  
YES NO

Do you have access to the Internet?  
YES NO

How would you utilize the HOU program?

—To start a separate course in astronomy

To supplement my current teaching and research in:

—Earth Sciences

—Computer Technology

—Physics

Other \_\_\_\_\_

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Are you interested in developing an outreach program with high schools or middle schools in your area ?

YES NO

Would you consider establishing a summer camp or after school program at your institution?

YES NO

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Dr. Susana E. Deustua

c/o Hands on Universe

Ernest Orlando Lawrence

Berkeley National Laboratory

One Cyclotron Road, MS 50-236

Berkeley, CA 94720

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Postage  
Here

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