

NEEDS

Premier Courseware User Group Session

ASEE 1998

June 30, 1998

Prof. Alice Agogino, UC Berkeley

Prof. Kurt Gramoll, Univ. of Oklahoma

Prof. Sheri Sheppard, Stanford Univ.

Moderator: Brandon Muramatsu



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Quality Review of Courseware on the NEEDS Database

- Establish Credibility of NEEDS as a Source of Quality Educational Material
- Enhance Recognition of Scholarly and Creative Effort of Courseware Developers
- Levels of Review
 - Non-reviewed
 - Gestalt Peer Review: Endorsed Courseware
 - **National Competition: Premier Courseware**
 - User Reviews: User experiences with courseware, contributed by community members
 - Feature Reviews: Extended reviews on NEEDS that highlight courseware



Premier Award Criteria

See <http://www.needs.org/premier/1998/criteria.html> for more info

- **Engineering Content**
 - Is the content error free?
- **Software Design**
 - Is it well designed and usable?
- **Instructional Design**
 - Will students learn from the courseware?

We recognize that all the categories are interwoven.

Evaluation Criteria

- **Engineering Content:**
 - Accuracy of content
 - Organization of content
 - Consistency with learning objectives
- **Software Design:**
 - Engagement
 - User interface and navigation
 - Interactivity
 - Multimedia use
 - Technical reliability

Evaluation Criteria, cont.

- **Instructional Design:**
 - **Interactivity**
 - **Cognition/conceptual change**
 - **Content**
 - **Multimedia use**
 - **Instructional use/adaptability**

Premier Courseware of 1997

- Virtual Disk Drive Design Studio
- Drill Dissection and Dissection
- Mars Navigator



See
<http://www.needs.org/premier/1997/>
for more info

Distribution

600 Copies to FIE '97 Participants
300 Copies to Engineering Deans
600 Copies available at ASEE '98

1998 Premier Award Competition

- Submit by **July 31, 1998** to be eligible for the 1998 Premier Award Competition
- To be presented at FIE 1998, Tempe, Az
- See <http://www.needs.org/premier/1998/> for more info

Contact Info:

Brandon Muramatsu
NEEDS Project Manager
mura@needs.org

3112 Etcheverry Hall
University of California
Berkeley, CA 94720-1750
(510) 643-1817