



# Engineering Education at a Distance

University of Regina

## Objectives for Innovation

Multi-mode instruction with a multimedia CD-ROM, web-based resources and presentation slides

## Intended Audience

Upper year undergraduate and graduate students in engineering  
Professional engineers

## Results Achieved

Multi-mode materials to support face-to-face instruction in five university-credit courses in electronic systems engineering  
Sequential process for creating courses in digital format  
Flexible access for students at the University of Regina

## Implementation

January 1996

## Additional Benefits

Can be used for professional development

This program is the second phase of a three-phase process to create five university-credit electronic systems engineering courses (four undergraduate and one graduate) in digital format. The first phase was the production of comprehensive presentation slides for all five courses.

The distance education phase provides web-based access to course materials and other resources, along with an interactive CD-ROM with extensive audio and video clips to support face-to-face instruction for Analog Electronics (ENEL 283).

These electronic systems engineering courses have a strong visual component. Media-rich and interactive learning resources enable students to gain a better understanding of the concepts.

The third phase will develop multimedia materials to explain and demonstrate lab concepts, supplemented by lab kits to conduct experiments.

## Contact

Dr. Raman Paranjape, Faculty of Engineering  
Phone: (306) 585-5290  
Fax: (306) 585-4855  
E-mail: [raman.paranjape@uregina.ca](mailto:raman.paranjape@uregina.ca)