Online Courses for Continuing Education



University of Minnesota

Driven to DiscoverSM

Active Courses

- Power Electronics Online Course Modules
- Wind Energy Essentials Online Course
- Power System Protection Online Course

Programs in the Works

- Power Systems Online Course Modules
- Electric Drives Online Course Modules
- Advanced Electric Drives Online Course Modules

Power Electronics Online

- Course management system (CMS) WebVista (more commonly known as Blackboard)
- Asynchronous, coupled with textbook
- Multimedia (content, video, resources)
- 1-hour video = 3-4 in class lectures (F2F)
- Online homework problems, selfassessments

Wind Energy Essentials & Power System Protection

- CMS Moodle (open source)
- Asynchronous
- Multimedia (video, presentations, and additional resources)
- 1.5-2-hour videos = 1 class lecture (F2F)
- No homework problems, no quizzes
- CEUs/PDHs available

Audience

- College and university faculty and instructors
 - Faculty/instructor development
 - For incorporation into own courses (no college credit provided by U of MN)
- Practicing engineers

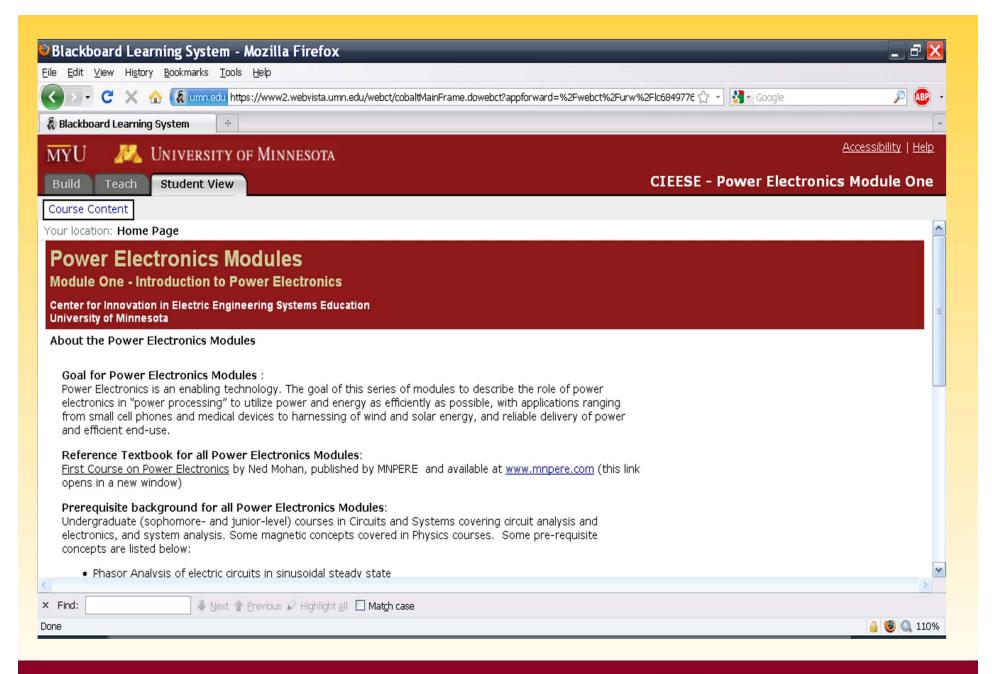
Continuing Education

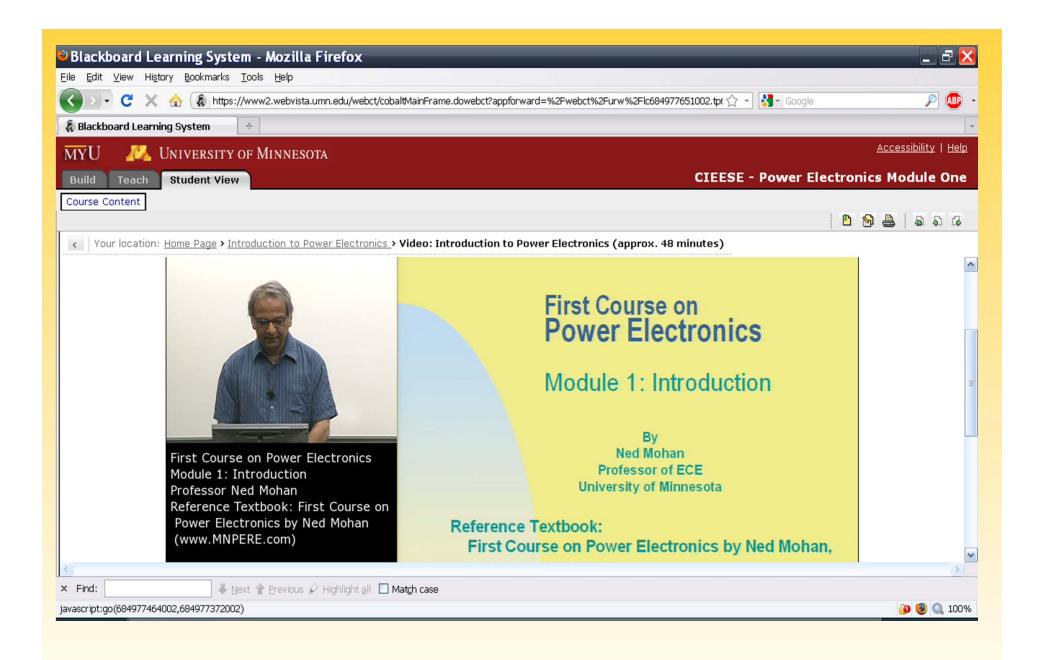
 CEUs are available to participants (based on registration fees)

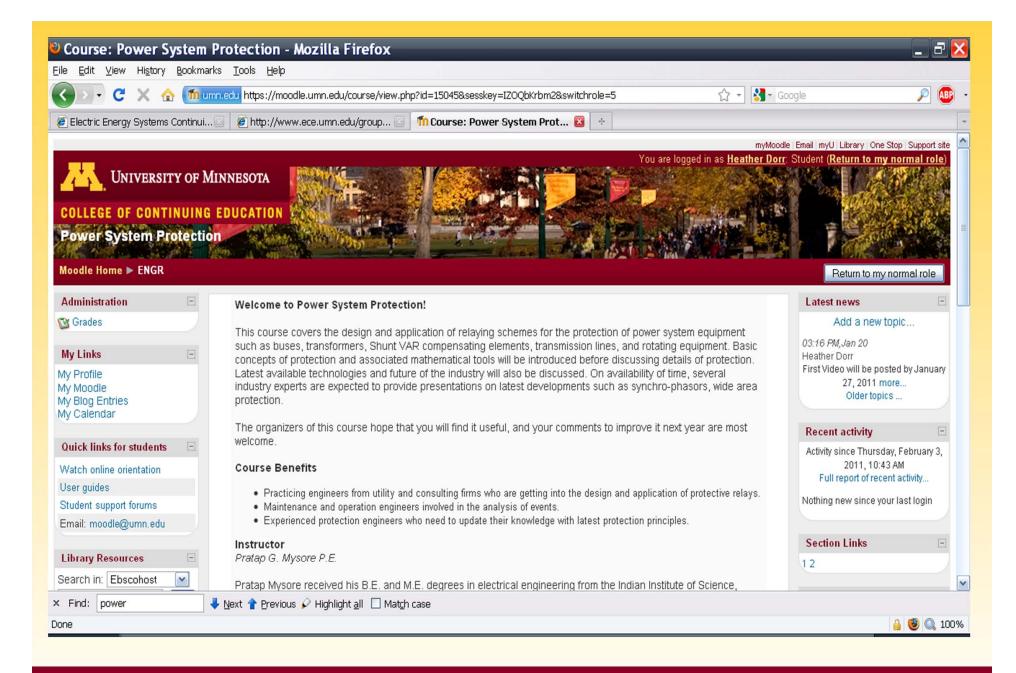
 CEUs are applicable to PDHs for engineers

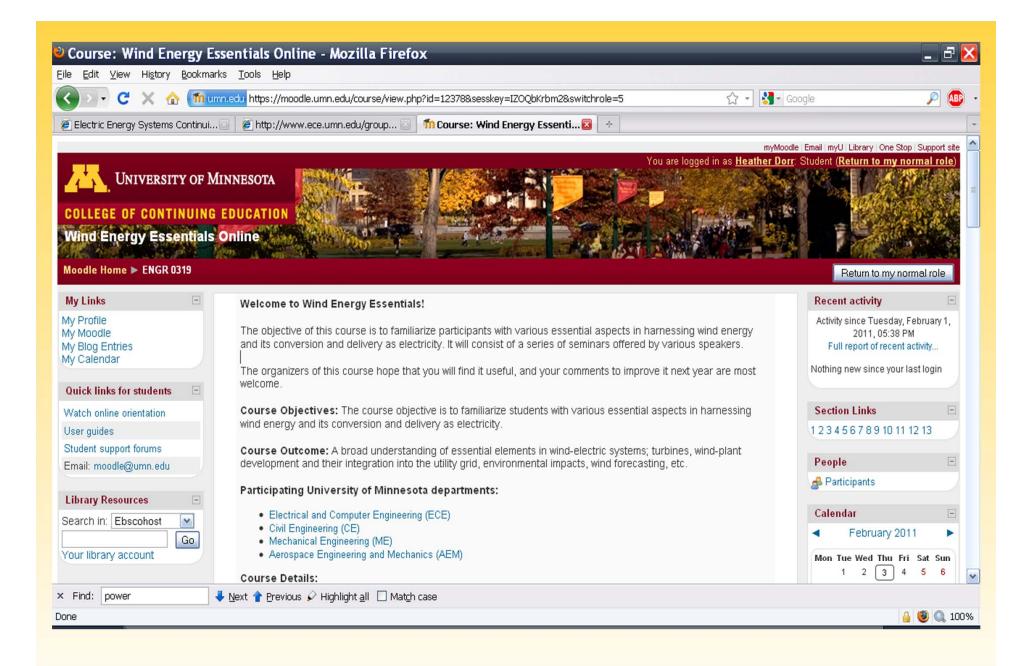
Objectives

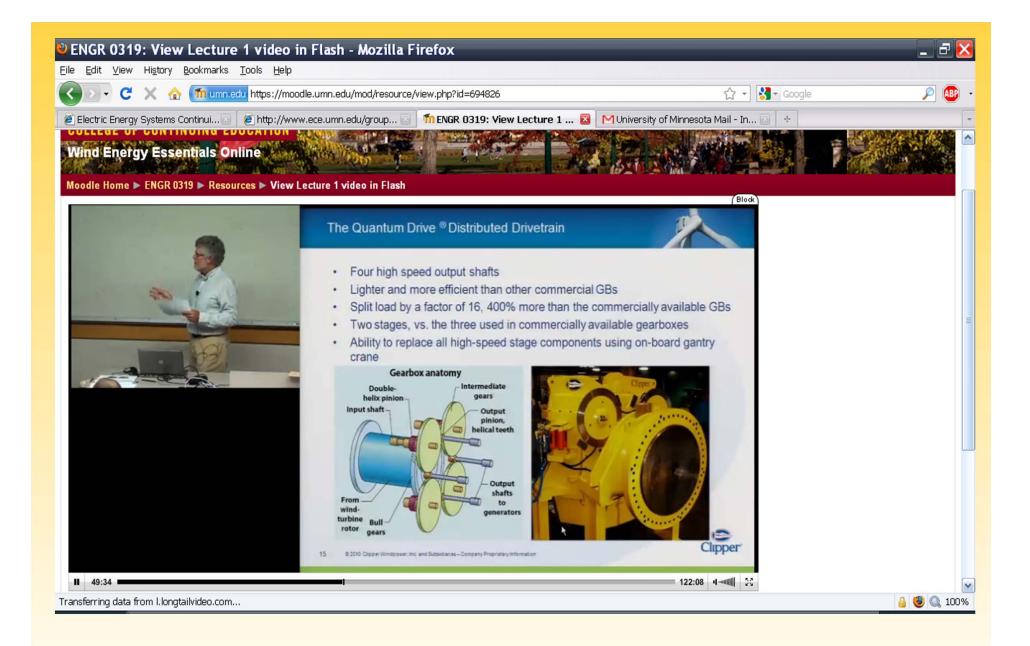
- Faculty and instructors review the course modules and integrate the information into their teaching methods.
- Faculty and instructors will utilize these online tools to assist their own teaching practices.
- Wind and Power System Protection: these videos can be incorporated into actual course sessions in Fall or Spring semesters.











Demonstration

www.ece.umn.edu/groups/power

www.cce.umn.edu/power