

## PROJECT PROFILE

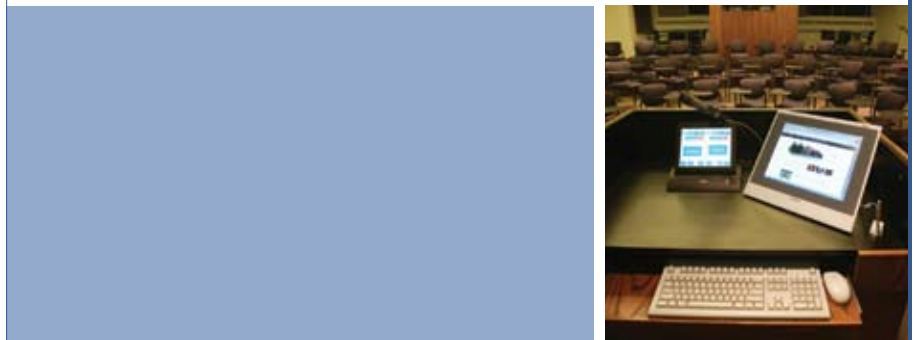
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### Carleton College – Leighton 304 Classroom

Faculty and guest lecturers use the Leighton 304 classroom at Carleton College for teaching Social Sciences including History, Political Science, Religion and Sociology. To enhance instruction in this heavily used classroom and expand the Social Sciences curriculum, Carleton College developed a multi-phase technology upgrade plan. Phase one incorporates multi-media presentation capability allowing instructors to easily use a variety of audio, video and photo media. Phase two will enable guest speakers to join the classroom via videoconferencing technology and also allow students/alumni to view lectures via streaming video.

The goal of phase one was to incorporate an audio-visual system that would bring full multi-media presentation capability to the classroom. This system includes high-resolution video displays, voice reinforcement and control capabilities. The high impact video display is achieved using dual high-resolution projectors located in a cabinet at the back of the room, which project onto electric screens mounted on either side of the teaching station. The department's extensive collection of 35mm slides can be shown using a slide projector in conjunction with a slide-to-video converter. To further enhance lectures, instructors are able to emphasize key points using a pen tablet to digitally highlight areas on the projected image.

High quality voice reinforcement is achieved with a microphone integrated into the teaching station and the addition of four wall-mounted speakers. Sound



reinforcement for students with hearing impairments is addressed with an ADA compliant mobile hearing assistance system.

The audio-visual system including the electric screens, projectors, volume and lighting levels is controlled using a custom-programmed control panel located at the teaching station. The station also conveniently houses the VCR, DVD player, CD player, cassette players, a document camera and a MAC connected to the network.

The completion of phase one of the technology plan delivers full multi-media presentation capability at the touch of a button. The second phase will build on the current technology with additional equipment enabling videoconferencing and distance learning. With this integrated audio-visual system the Leighton 304 classroom is ready to serve the current and future needs of lecturers at Carleton College.



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