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Internet Courses for Career Path Redirections

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The Internet provides a cost-efficient means to reach out to larger audiences, not only to graduate students soon to enter the work force, but also to practicing scientists and engineers who wish to update their own knowledge base and perhaps consider new career directions. In this presentation we describe experience with several graduate courses at the University of California, Berkeley, that were broadcast live over the internet and posted first as Google videos and later at www.youtube.com. Full graduate class lectures, typically 28 per class, together with all presentation materials available for download, plus homeworks (and solutions upon request) are found at www.coe.berkeley.edu/AST/srms and www.coe.berkeley.edu/AST/sxr2009. The video lectures are also available at www.youtube.com by clicking on “videos” and then searching “david attwood”. Based on e-mail queries and personal feedback it is clear that the lectures are widely viewed, both as training lectures in industry and as classes at various universities worldwide.