



Success Story: Web-based e-Learning Design and Development

Summary:

TerpSysSM designed and developed a Web-based, interactive e-learning program as part of a curriculum for entry-level sleep technologists, with online text, audio narration, 3D animations, and video.

Client: The Atlanta School of Sleep Medicine and Technology
The Client is an accredited training facility for physicians, technologists, health professionals and industry professionals in the field of sleep medicine. It provides continuing medical education for both doctors and sleep technologists.



Objectives:

- Develop a new, self-paced, interactive e-learning program for prospective sleep technologists
- Provide program participants with nationwide remote access to course presentations and materials
- Design course for users with varying levels of healthcare knowledge and computer skills

Challenge

The Client needed a web-based e-learning program for healthcare professionals new to sleep medicine, as part of a larger curriculum developed as a comprehensive introduction to the subject for novice technologists. The e-Learning program was to prepare students for a national certification examination for sleep technologists.

The program had to be intuitive, visually appealing, and engaging so that even students with no healthcare background could effectively grasp key concepts and terms. At the same time, it needed to address the goals of more experienced medical professionals who wished to review materials on sleep medicine and technology.

The Client required that the program conform to the Sharable Content Object Reference Model (SCORM), a group of standards and specifications for web-based e-Learning, and delivered via a learning management system so students could easily access the courseware online and study at their own pace.

Solution

After meeting with The Atlanta School of Sleep Medicine and Technology to confirm its project vision and establish a schedule, TerpSys turned to the task of designing, creating and refining the interactive e-learning program the Client required.

To achieve this, TerpSys designers worked closely with experts in the area of sleep technology while writing course content and storyboarding the program. TerpSys coordinated voice talent recording for audio segments, in addition to directing all on-site video and photo shoots. We developed course content using SumTotal Toolbook 9.0 authoring tools, and selected and implemented a Learning Management Solution (LMS) prior to program roll-out to manage key tasks such as student registration and course delivery.

Ultimately, TerpSys delivered a turn-key solution in the form of a highly effective 12-course e-Learning program benefiting both novice healthcare practitioners and experienced medical professionals alike.

Results

- Delivered 24 hours of online multimedia content as part of an 80-hour blended learning program
- Launched LMS to track student progress of lesson completion and exam results
- Configured e-commerce shopping cart for electronic payment of program registration fees
- A delighted customer:

"We asked TerpSys to provide us with a very complex but user friendly e-learning program. They aggressively worked to resolve challenges that arose as a result of our unique feature development and requirements. I'm delighted with the end product and look forward to a lengthy relationship with TerpSys as we further develop our e-learning capabilities and portfolio."

*— Dr. Russell Rosenberg, Ph.D.,
Director, The Atlanta School of Sleep
Medicine and Technology*

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