

COURSE AND MEDIA DEVELOPMENT

CAPABILITIES BROCHURE

INSTRUCTIONAL DESIGN



www.21cls.com

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21CLS is an instructional design company based in Orlando and a member-company of the University of Central Florida's Business Incubation Program. Our services combine interactive media and Ph.D.-level expertise in instructional design.

VISION

We believe that the future of instruction lies in integrating interactive technology with the knowledge and experience of experts in the field. We strive to be a leader in advancing and innovating technology-based instruction.

MISSION

Working closely with our clients and experts, we aim to create innovative content that appeals to various learning styles and is effective, convenient, and adaptable to multiple formats and delivery methods.

CORE COMPETENCIES

- Our staff includes Ph.D.-level specialists in instructional design who have been working in online education since its inception. Our expertise includes effective online delivery, and integrating technology into training.
- Our media team specializes in creating Flash-interactive applications, video/audio presentations, and designing content delivery systems. We strive to push the bar ever further to develop content that is truly for a new generation.
- One of our major competencies is efficiency, and we pride ourselves on developing and delivering quality courses on time and in a cost-effective manner.
- We are a rising organization. Our client list includes government institutions and major online universities.

SPECIALIZATIONS

Some of the products we have developed for our clients included:

Full Master's Programs in

- Management
- Leadership
- Business Administration
- Public Health
- Management Information Systems
- Computer Science
- Engineering

Specialty Courses in

- Criminal Justice
- Homeland Security
- Terrorism
- Public Administration
- Teacher Professional
- Development
- Accounting
- Nursing
- Education
- Water Conservation

Media Expertise

- Flash-interactive applications
- Content delivery systems design
- Audio/video editing
- Narrative content media
- Informational graphics
- Motion graphics
- Tutorials/demonstrations
- Virtual video brochures
- Video/audio podcasts
- Interview videos
- Featured topic videos

COMPANY PROFILE

21st Century Learning Solutions was incorporated in 2003 as part of the University of Central Florida's Business Incubation Program and is housed within its Research Park facilities. We feel our greatest asset is our staff, whose experience in online education began with the industry's inception. We have developed more than 300 online and fully accredited graduate and undergraduate courses.

OUR STAFF

Randolph Gunter, Ph.D., Chairman and Chief Visionary Officer (rgunter@21cls.com)

Dr. Gunter has a Ph.D. in Instructional Technology from Mississippi State University and is a retired Air Force instructor pilot, spending most of his career in Air Force Education and Training Command. Dr. Gunter is an experienced course developer and instructional designer and has developed numerous professional development/training solutions for the United States Air Force, more than 20 air/army forces in Latin America and Europe, defense contractors, universities, corporations, and school districts. He has more than 40 years experience in education and training, teaching graduate and undergraduate courses in instructional design, educational technology, and educational research. Some of his achievements include:

- Managing the development of more than 300 online graduate courses (master's, and doctorate).
- Co-authoring 12 educational textbooks for pre-service and in-service teachers.
- Developing company-owned online graduate courses taken by more than 12,000 in-service teachers and 500 university faculty.

Dr. Gunter's research agenda includes researching the math and science crisis and finding solutions to help ease its impact on America's competitiveness. He is a member of Tech America's Florida Council Executive Committee and the association's Florida Education Consortium to improve math and science education.

Vicki Rath, President and CEO (vrath@21cls.com)

Ms. Rath has a Master's in Instructional Technology/Educational Technology from the University of Central Florida and is a Ph.D. candidate in Instructional Design. She has more than 12 years of experience in online course development and has developed more than 250 online graduate courses in mathematics, computer science, business, public health, nursing, and engineering, as well as numerous online professional development courses. While a classroom teacher, she was named Teacher of the Year by USA Today. Her research agenda focuses on effectively using online tools to enhance learning communities in large online classes.

Matt Johansen, Director of IT and Media (mjohansen@21cls.com)

Mr. Johansen has a Bachelor's of Arts in Digital Interactive Systems from the University of Central Florida. In 2003 and 2004, he was part of the Technological Academy of Northeast Nebraska, where he received an award for Web development. In 2006 he was recognized as a Goodrich Scholar at the University of Nebraska at Omaha. While attending UNO, he participated in a Data Visualization competition, hosted by Gallup, and was selected as one of the finalists to present to CEOs of companies in the Omaha area, including the CEO of Gallup. Mr. Johansen has professional experience in seven different programming languages and six years of experience working as a multimedia/software developer for GRW Studios, Inc. and a systems application developer for Gallup. He continues to develop strategies, methods, and techniques for integrate multiple types of media into training and development.

Taryn Hess, Ph.D., Senior Course Developer (thess@21cls.com)

Dr. Hess has a Ph.D. in Instructional Technology from the University of Central Florida. During her Bachelors and Master's studies at Florida State University, Dr. Hess was a member of the Women of Mathematics, Science, & Engineering Program. She has contributed to the development of courses in homeland security, criminal justice, public administration, international finance, business, human resource management, public health, nursing, and education. Her research interests are in the effectiveness and effective use of serious games for teaching and learning in a variety of settings: corporate, government, and education. Her dissertation is titled "Comparison of Learning Experiences and Outcomes between a Serious Game-Based and Non-Game-Based Online American History Course." Based on Dr. Hess' literary research, her dissertation study is the first known comparison of a serious game-based and non-game-based online course. She is in the process of publishing her findings.

Rebecca Rogers, Ph.D., Senior Course Developer (rrogers@21cls.com)

Dr. Rogers has a Ph.D. in Educational Technology from Walden University. She served as the northern California area representative for the Waterford Early Reading Program, an online reading curriculum developed by the Waterford Institute. In Florida, Dr. Rogers was a teacher-on assignment in the curriculum department for Seminole County Public Schools, where she developed a training program to assist teachers in learning a Web-based management system. At 21CLS, Dr. Rogers has helped develop Master's level courses in global leadership, business management, change management, technology innovation, and sustainability. Her research interests are on understanding how people learn. Her dissertation examined how theories of learning could be combined with an understanding of the criteria for an effective diffusion of technology to ensure successful training programs.