

Ubiquitous GIS:

A Ground Truthed Approach to Interdisciplinary Course Development

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Brandman University, Chapman University System

Who is Brandman University?

- Part of the Chapman University System
- Established in 1958
- Focused on adult learning with strong online presence
- Current population includes non-traditional, working professionals, 88% over age 25, 63% women, 43% minority, 23% military
- 1,000 unique courses with 53 accredited degree programs



*Committed to being the leader
in adult learning.*



Equip students with in-demand
skills needed for problem solving
in various disciplines.

A little more about us...

Leaders in the delivery of adult online education

Facilitate holistic learning, using data-driven decision making

Real-world experiences for hands-on, applied skills

Teaching & Developing for the Adult Learner



CHALLENGE STUDENTS



CRITICAL THINKING



**INTERDISCIPLINARY
CURRICULUM**



REAL-WORLD APPLICATIONS



DIVERSITY & REPRESENTATION



CASE STUDIES

Big Picture



Interdisciplinary methodology



Unique approach to design, teaching and learning GIS



Collaboration with Brandman's Center for Instructional Innovation (CII)



Pedagogical and technical training for all faculty

Partnerships



Developed close partnership with Esri, the leader in geospatial software creation, management, and distribution

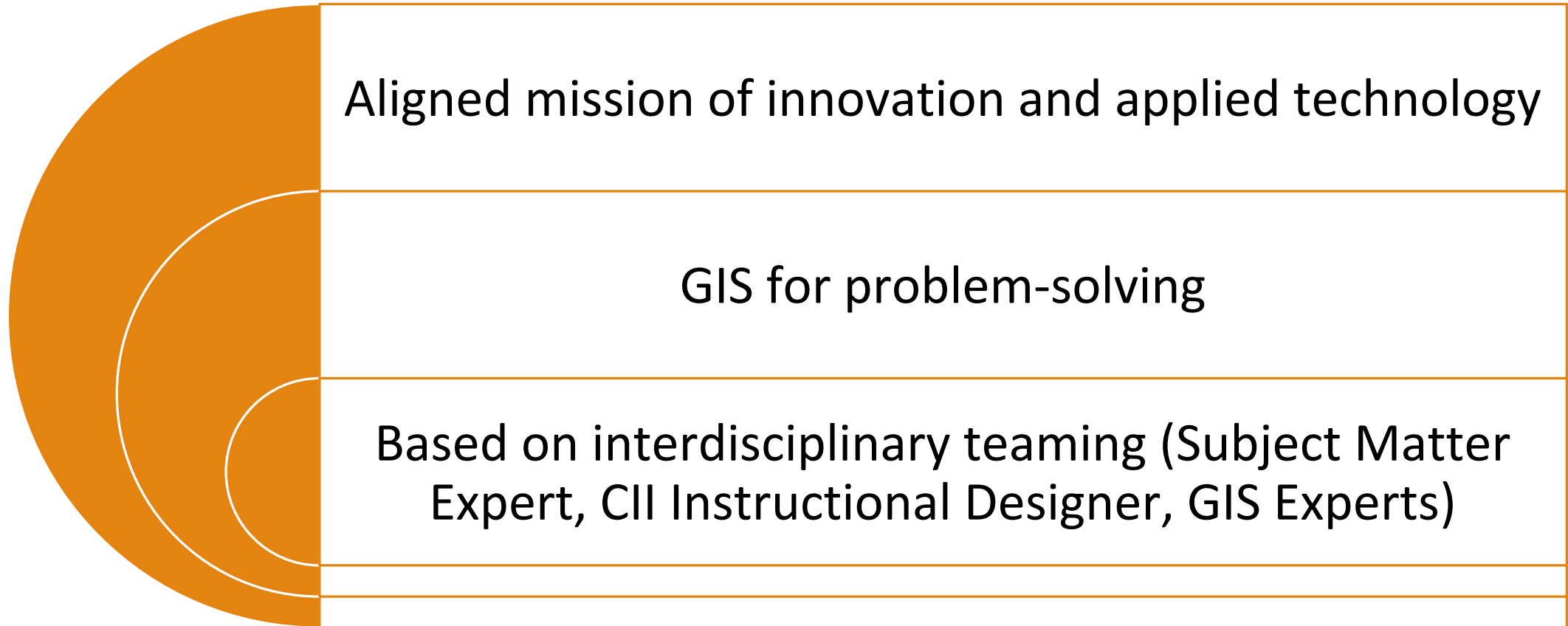


Making GIS ubiquitous in the fields of business, social sciences, non-profit, public administration, education, health, and justice



Partnering with organizations using a B2B model to teach GIS and data analytics

Creating a Spatial University: GIS Across the Curriculum



- Authentic learning, combining faculty expertise with collaborative, meaningful, and ongoing professional development
- Course developer certification program
- Media development for course content
- Quality assurance
- Meeting needs of adult learners through tutoring and academic resources
- Recorded, live and on-demand trainings
- Design expertise with educational technology

Center for Instructional Innovation (CII)

Philosophy and Work

Designing

- Identifying relevant workforce problems
- Using ArcGIS Online for accessibility
- Scaffolding technology and concepts
- Collaborating
 - Faculty
 - Instructional Designer
 - Industry leaders
 - Esri
- Updating content based on feedback
- Continuously improving courses for quality and relevance

Teaching

- Facilitating community of learning through student interaction and engagement in the LMS
- Providing instructors with GIS and interdisciplinary experience
- Ensuring support through trainings, current media, and resources



Our Goal is to Empower Professionals with New Skills

- Problem-solving
- Applying data analysis
- Using spatial thinking
- Meeting environmental and societal challenges
- Visualizing and communicating with GIS
- Enhancing interpersonal and social concepts

Questions?

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