

## BIS Undergraduate Capstone Class: Going from Being Students to Becoming Professionals

Rosie Hauck



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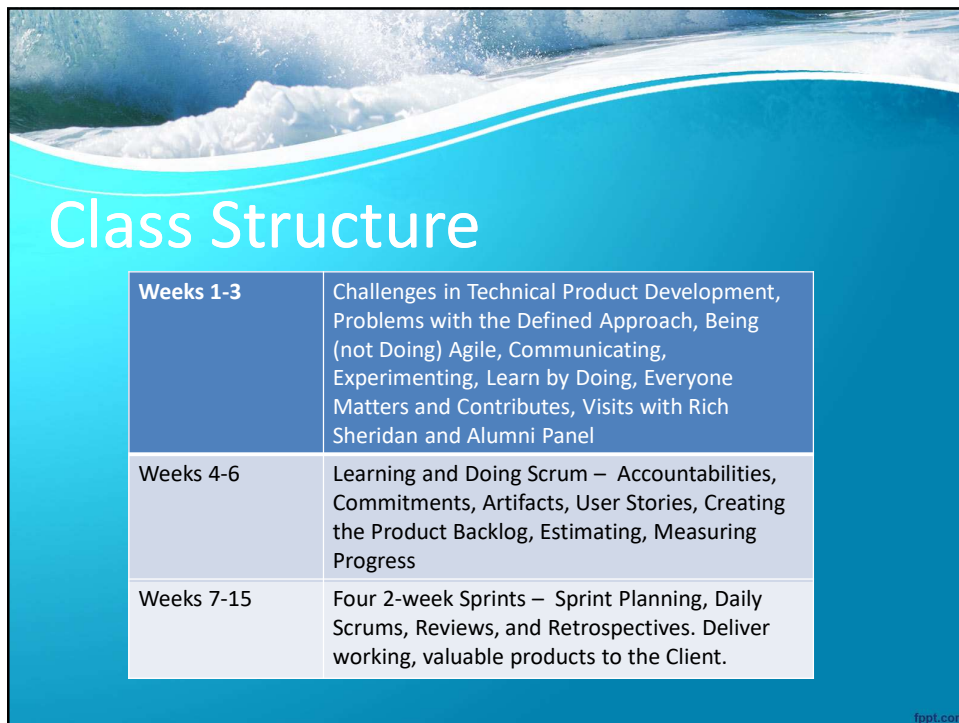


## BIS Capstone Class Goals

- Provide an environment where students learn and live Agile values and use the Scrum Framework
- Opportunity for students to gain valuable and valued professional experience
- Work with a client partner to build technical products to meet their needs

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## Class Structure

Weeks 1-3	Challenges in Technical Product Development, Problems with the Defined Approach, Being (not Doing) Agile, Communicating, Experimenting, Learn by Doing, Everyone Matters and Contributes, Visits with Rich Sheridan and Alumni Panel
Weeks 4-6	Learning and Doing Scrum – Accountabilities, Commitments, Artifacts, User Stories, Creating the Product Backlog, Estimating, Measuring Progress
Weeks 7-15	Four 2-week Sprints – Sprint Planning, Daily Scrums, Reviews, and Retrospectives. Deliver working, valuable products to the Client.

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# About the Work

**Scrum Teams**



**Client Partner**



**Complex Dev Env**



**Goal: Deliver Useable and Valuable Products**



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# The Driving Factors for Our Actions

**Scrum Values & principles**



Teamdriven

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# Outcomes

Learning Through Reflection



Valuing Failure



Team Work Across Projects



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# Scrum Master Certification



ISU Certified ScrumMaster® Training  
April 1 & 2, 2016  
Provided by: Tom Mellor, Certified Scrum Trainer  
Sponsored by: Bryan J. Hawk, Ph.D.  
Associate Professor  
Business Information Systems  
College of Business  
Illinois State University

ScrumAlliance®  
The Official of Agile

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## Impact on Client Partners

### When BIS meets the performing arts

By Amy Humphreys April 10, 2023

State Farm Hall of Business

Blurring the line between "class learning" and solving real-world challenges is the top priority for Dr. Rosie Hauck in the capstone Advanced Business Systems Analysis course (or BIS as it is commonly known). The class has advanced the work of many local nonprofit organizations over the years and

**Students create zoo app**

Rosie Hauck, Professor for Families Recycling

Hawaii State University College of Business

#### FURNITURE FOR FAMILIES

FOR BIS MAJORS, ONE PROJECT HAS MAJOR IMPACT

**A**ncient Professor Rosie Hauck's Advanced Business Systems Analysis class is all about bridging business needs with technology solutions. It also offers a great deal of real-world, practical experience for those majoring in business information systems (BIS).

Each semester, Hauck works with a local organization in the community to improve some kind of business process. Her students spend the semester working with the chosen organization to identify challenges and implement solutions. The ultimate goal is to pull all their classes together, such as marketing, management, accounting, and technology, into something of a capstone project.

Rosie Hauck Memorial Fund

RECYCLING FURNITURE FOR FAMILIES

"It's a great culminating experience for the major, internships, and classes," said Hauck. "It gives students a chance to see the outcome would be, but in the end, it was worth it."

"It's our students employing a learning curve and our products and services," said Hauck. "The students are a chance to see the outcome would be, but in the end, it was worth it."

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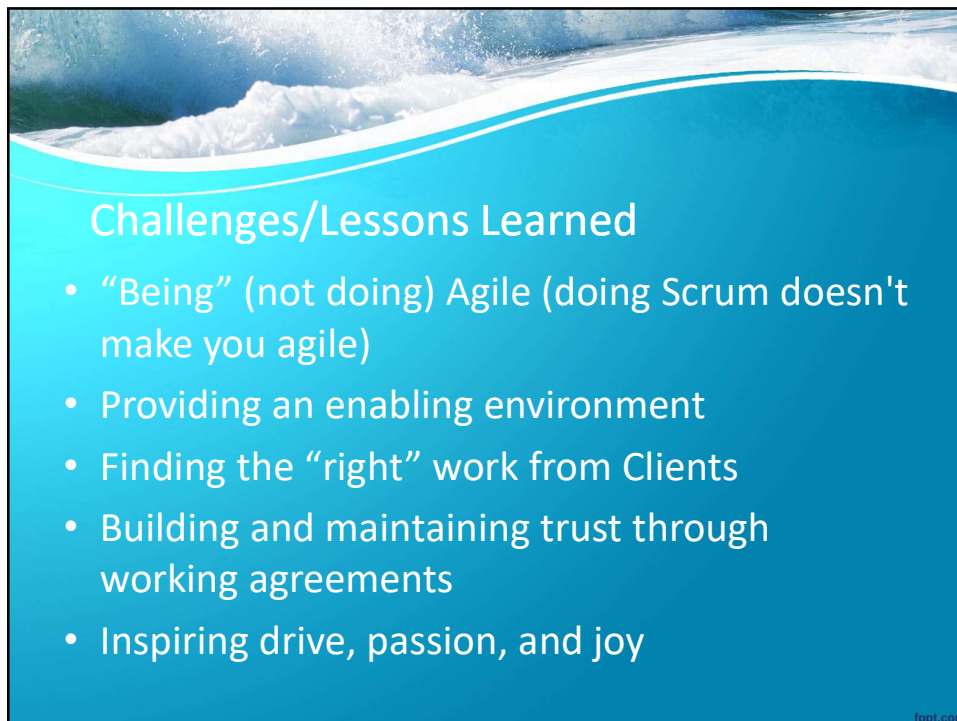


Impact on Students

- Prepared for the new "real world"
- They do product development in a complex environment
- Prospective employers are impressed with their work
- They document their experience and share it with prospective employers
- Many alumni have commented that it made a difference in their hiring opportunities

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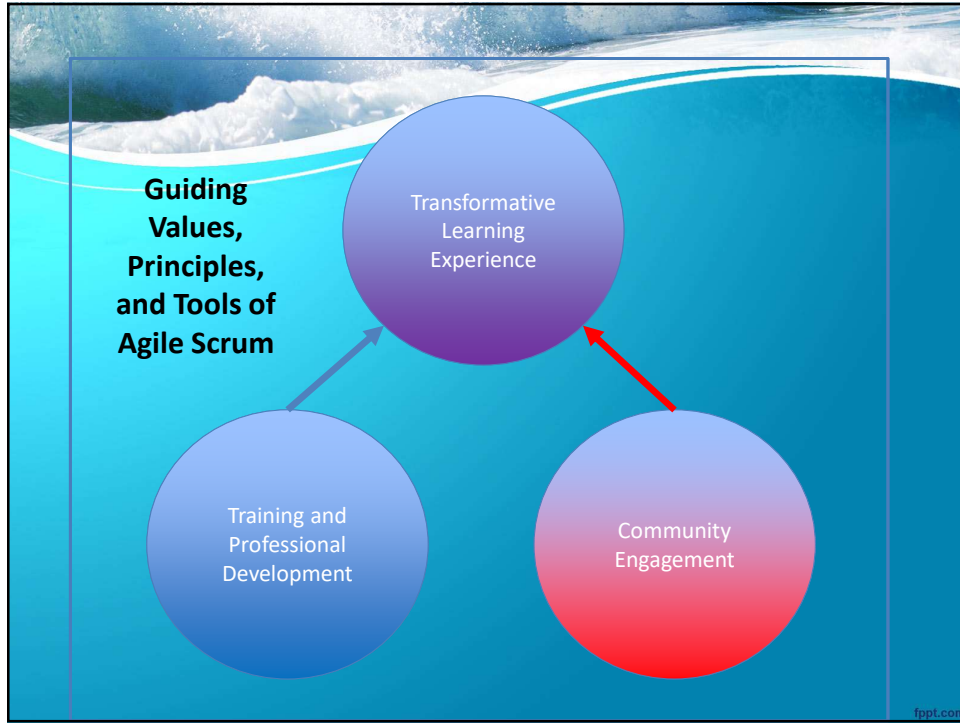


Challenges/Lessons Learned

- “Being” (not doing) Agile (doing Scrum doesn't make you agile)
- Providing an enabling environment
- Finding the “right” work from Clients
- Building and maintaining trust through working agreements
- Inspiring drive, passion, and joy

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