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

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1

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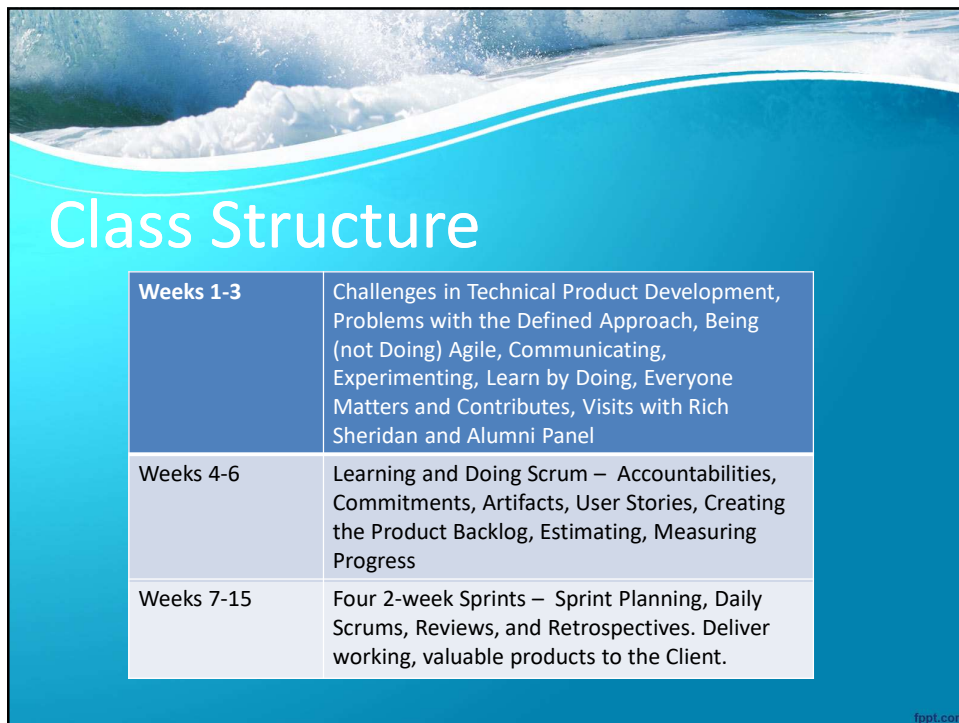- https://www.linkedin.com/in/tommellorcst/
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2

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

3

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.

4

About the Work

Scrum Teams

Client Partner

Complex Dev Env

Goal: Deliver Useable and Valuable Products

5

The Driving Factors for Our Actions

Scrum — Values & principles

Commitment

Courage

Focus

Scrum

Respect

Openness

Transparency

Adaptation

Inspection

6

Outcomes

Learning Through Reflection

Valuing Failure

Team Work Across Projects

KEEP CALM AND TAKE OWNERSHIP

7

Scrum Master Certification

8

9

Impact on Client Partners

When BIS meets the performing arts

By Amy Humphreys April 10, 2023

PANTAGRAPH

Legislature approves $600M for higher ed

Students create zoo app

FURNITURE FOR FAMILIES

FOR BIS MAJORS, ONE PROJECT HAS MAJOR IMPACT

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
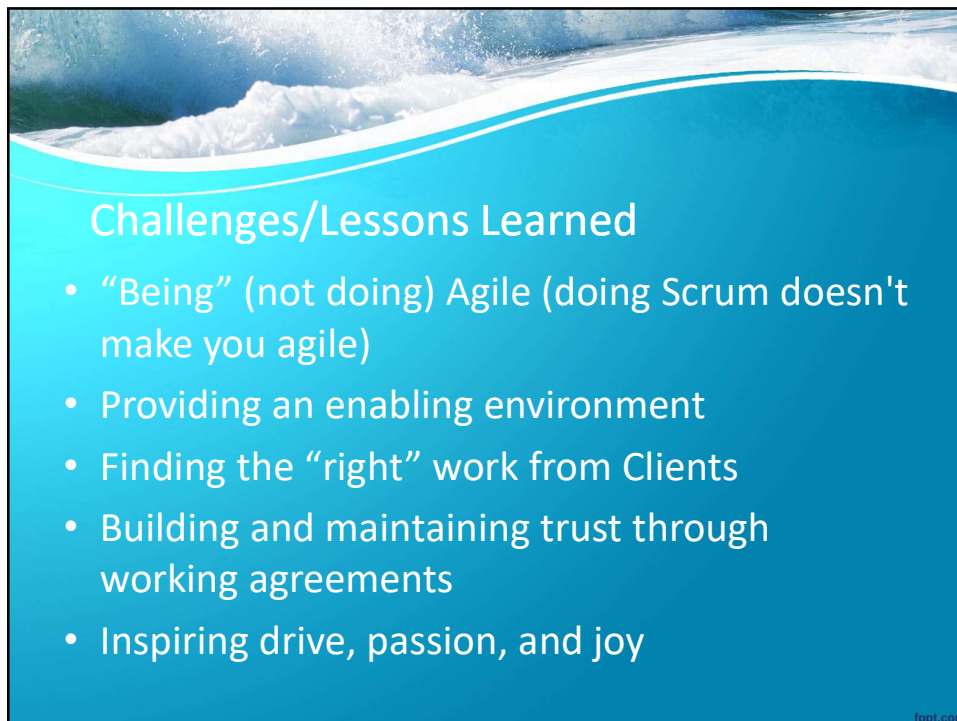
10

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
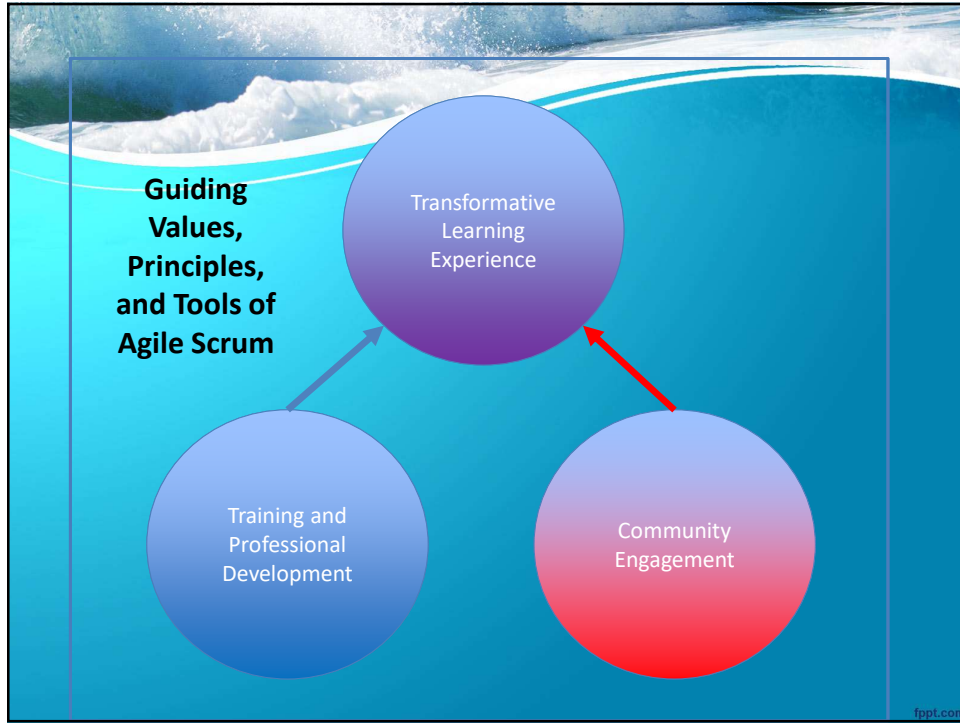- Many alumni have commented that it made a difference in their hiring opportunities

11

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

12

13