Educational Programs and Adaptability: A Systems Approach to Creating Adaptable Educational Programs

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Conflict of Interest

We do not have any conflicts to disclose:

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Daniel Corson-Knowles, MD

Michelle Rojas, BA

Kathy Lee, BS

Have you ever...?

This is where we are going today
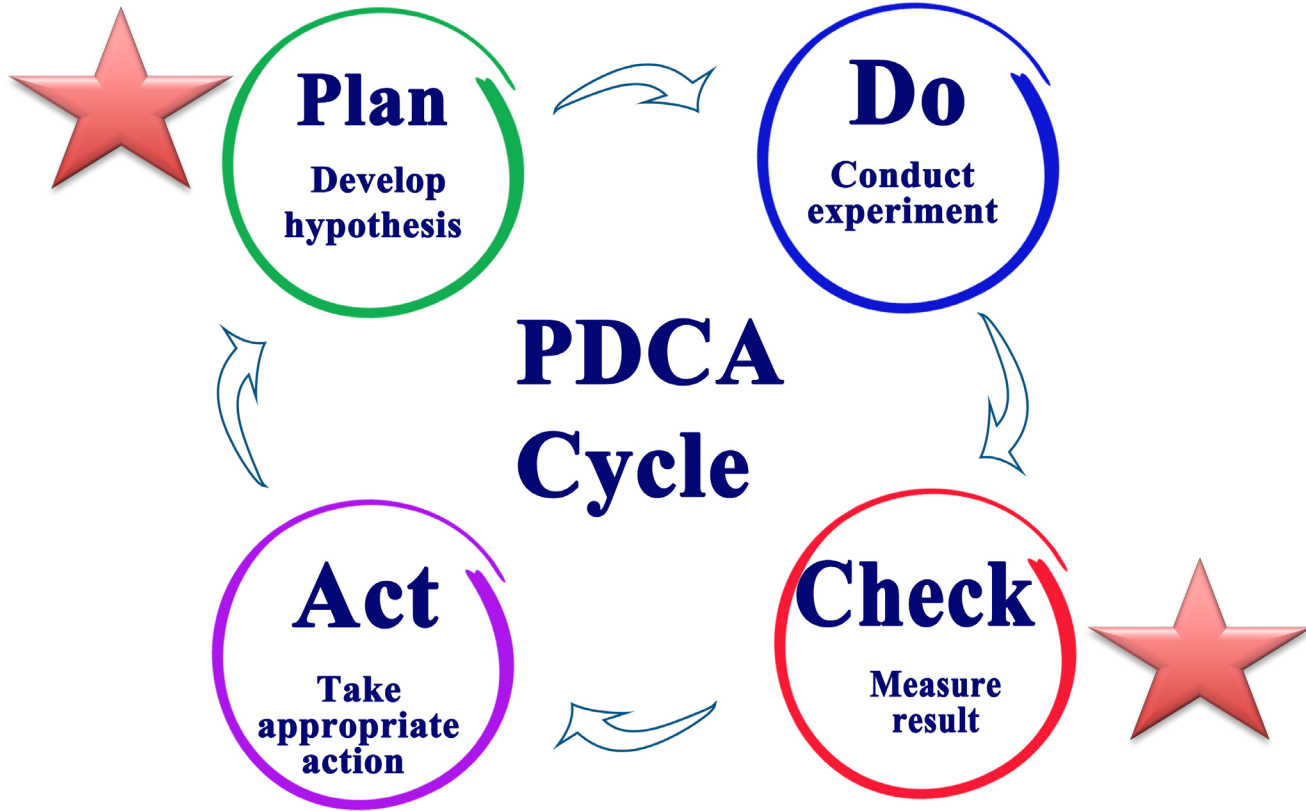
Participants will be able to:

- Articulate key elements of a Plan-Do-Check-Act cycle

- Analyze the use of Plan-Do-Check-Act in a concrete example at IUSM

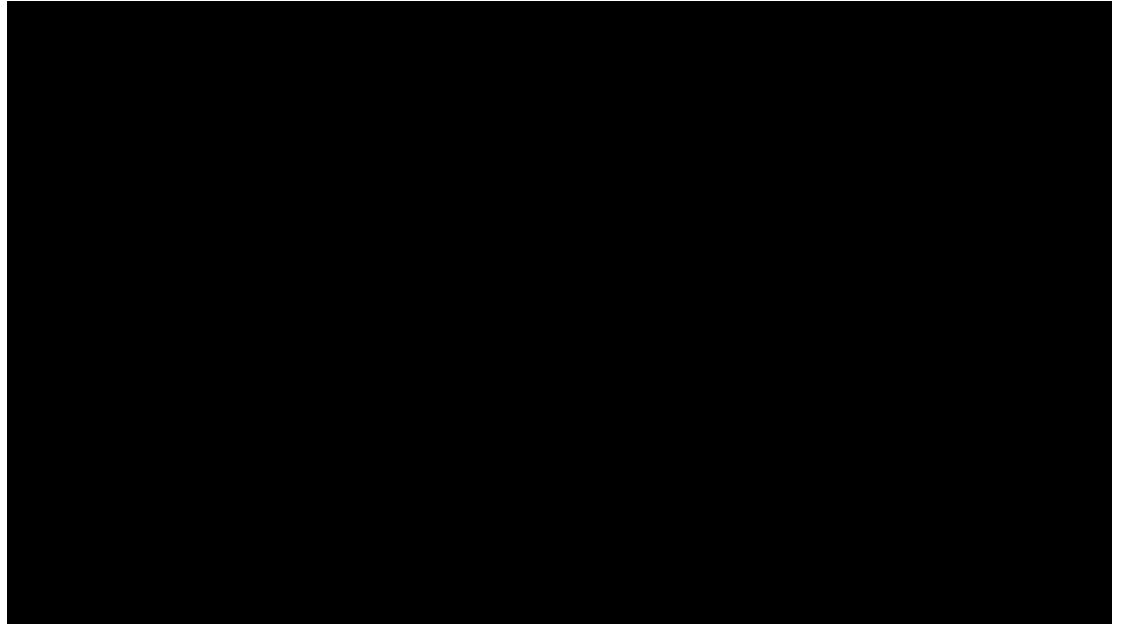- Develop a Plan-Do-Check-Act cycle for an example program of interest

The Systems Approach…

PDCA Cycle

Plan — Develop hypothesis

Do — Conduct experiment

Check — Measure result

Act — Take appropriate action

System busters

The Road Trip

INTERSTATE 65

Fair Oaks Farms

WEST Chicago

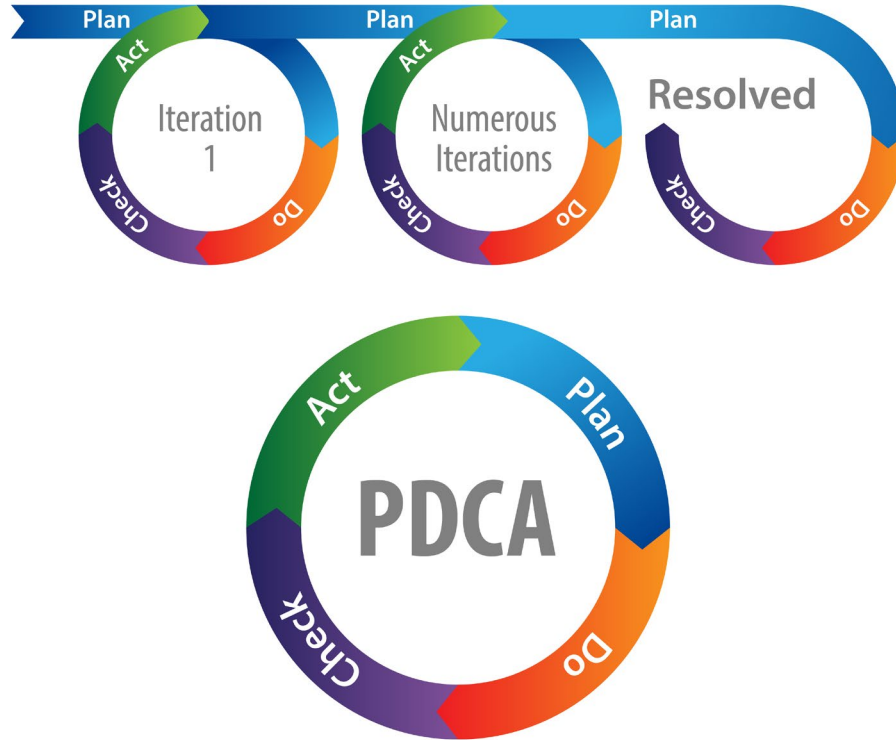EAST Toledo

Albanese Candy Factory

INDIANA UNIVERSITY SCHOOL OF MEDICINE
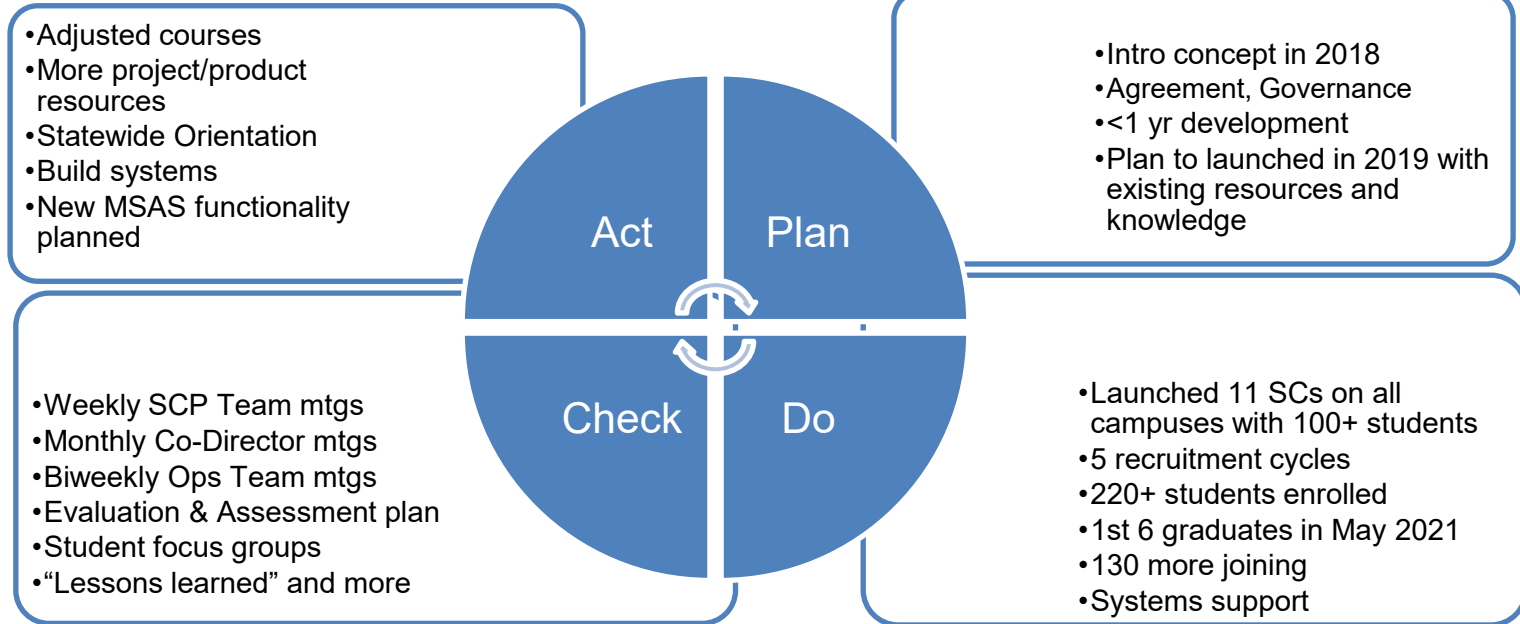
Using PDCA for Scholarly Concentrations

PDCA: Plan. Do. Check. Act.
Methodology for control and continuous improvement of product and processes

Scholarly Concentrations Program

Act
- Adjusted courses
- More project/product resources
- Statewide Orientation
- Build systems
- New MSAS functionality planned

Plan
- Intro concept in 2018
- Agreement, Governance
- <1 yr development
- Plan to launched in 2019 with existing resources and knowledge

Check
- Weekly SCP Team mtgs
- Monthly Co-Director mtgs
- Biweekly Ops Team mtgs
- Evaluation & Assessment plan
- Student focus groups
- "Lessons learned" and more

Do
- Launched 11 SCs on all campuses with 100+ students
- 5 recruitment cycles
- 220+ students enrolled
- 1st 6 graduates in May 2021
- 130 more joining
- Systems support

Give Us a Topic…

1. As a group

2. Choose a project

   – Concentrate on "Plan" and "Check"

   – Key questions

3. Review our work together

Plan

❑ What do you know? - Gather all of the facts and consult the people affected by the decision

❑ What's the real problem you're trying to solve?

❑ Can the solution to your problem be measured?

❑ Are you focused on solving a single problem?

Check

❑ How will you know when the problem is solved – aka Metrics for Success?

❑ What timeframe will you use to monitor progress? When will you first check in?

❑ Are there changes that weren't expected?

❑ Does the plan need to be adjusted?

Now, what?

Remember…

Progress is more important than perfection.

@simonsinek

Questions?

Want more [resources](#)?

Email: SCPTeam@iu.edu

Thank You!