CIS 235
Spring 2012

Course/PLO Mapping

EDMONDS COMMUNITY COLLEGE

AGENDA

- Introduction
- Issue Statement
- Current System Issues
- Analysis Approach
- Modeling Methods
  - Swimlane
  - IDEF0
- Let's Try It
- Q&A

CIS 235 Spring 2012 Team

- Diana Brown, Facilitator
- Bruce Norman, Analyst
- Sue Blocker, SME
- Carrie Thornton, Scribe

Issue Statement

- To maintain accreditation, EdCC needs to develop a mapping process that documents the alignment of each Program Level Outcome to the specific Courses within a Program using the guidelines, standards and policies of the NWCCU, ICRC, and SBCTC.

Current System Issues

- The current system does not have a process that can reliably map the list of skills taught in the Courses of a Program to the list of competencies expected in Program Level Outcomes
- There is no standardized nomenclature or naming convention for the existing documentation (Catalog, Program Sheets, etc.)
- The current college catalog and program sheets do not document the relationships between Courses and PLOs

Analysis Approach

- Interview (Q & A)
  - Jim Mulik, Office of Data and Assessment
  - Beth Farley, Assessment Team Analyst
- Strategic Planning Session
  - Goals and objectives determined
  - Information requirements identified
  - Established guidelines and standards examined

Modeling Methods

- Modeling creates a visual representation of a system that can include:
  - the entities with their attributes and relationships
  - its data, workflow, and processes
  - actors and constraints that influence or interact with the system, etc.
- Selected Methods
  - Swimlane = actors + activities + workflow
  - IDEF0 = process + data + actors + constraints

Swimlane Model

- Swimlanes create a graphic overview of the actors, processes, data, and decisions involved in a process model
- Why use them
  - They are among the easiest models to understand
  - They present a close visual representation of how work is actually performed
  - Swimlanes demonstrate sequential activities from start to finish
  - They clearly define the roles of those performing the activities

Swimlane Components

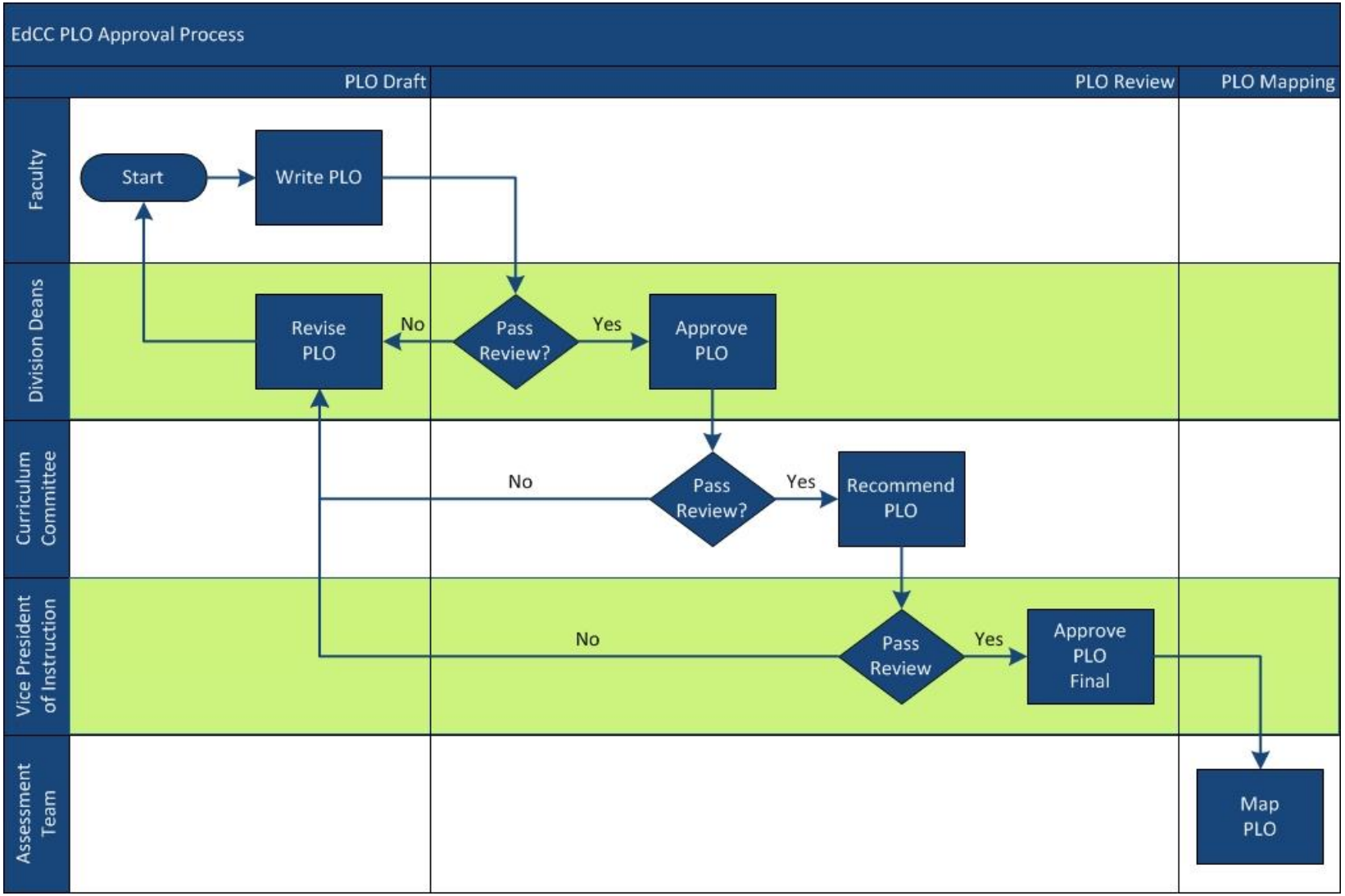
- Identifies the start and end of a system model

- Identifies the flow of the system model

- Identifies an activity or work that is performed

- Identifies a decision to be made, with appropriately named branches to document the alternate paths of each decision

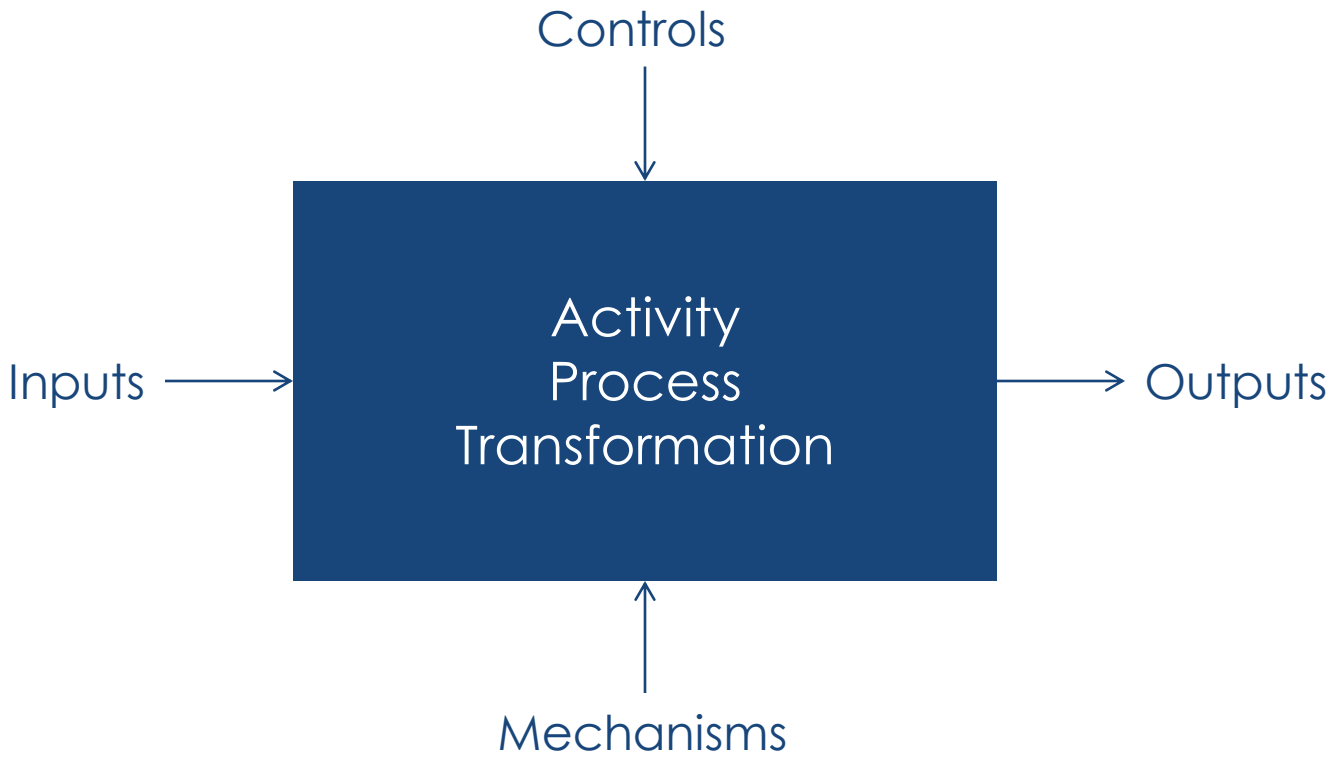
Swimlane Example



IDEF0

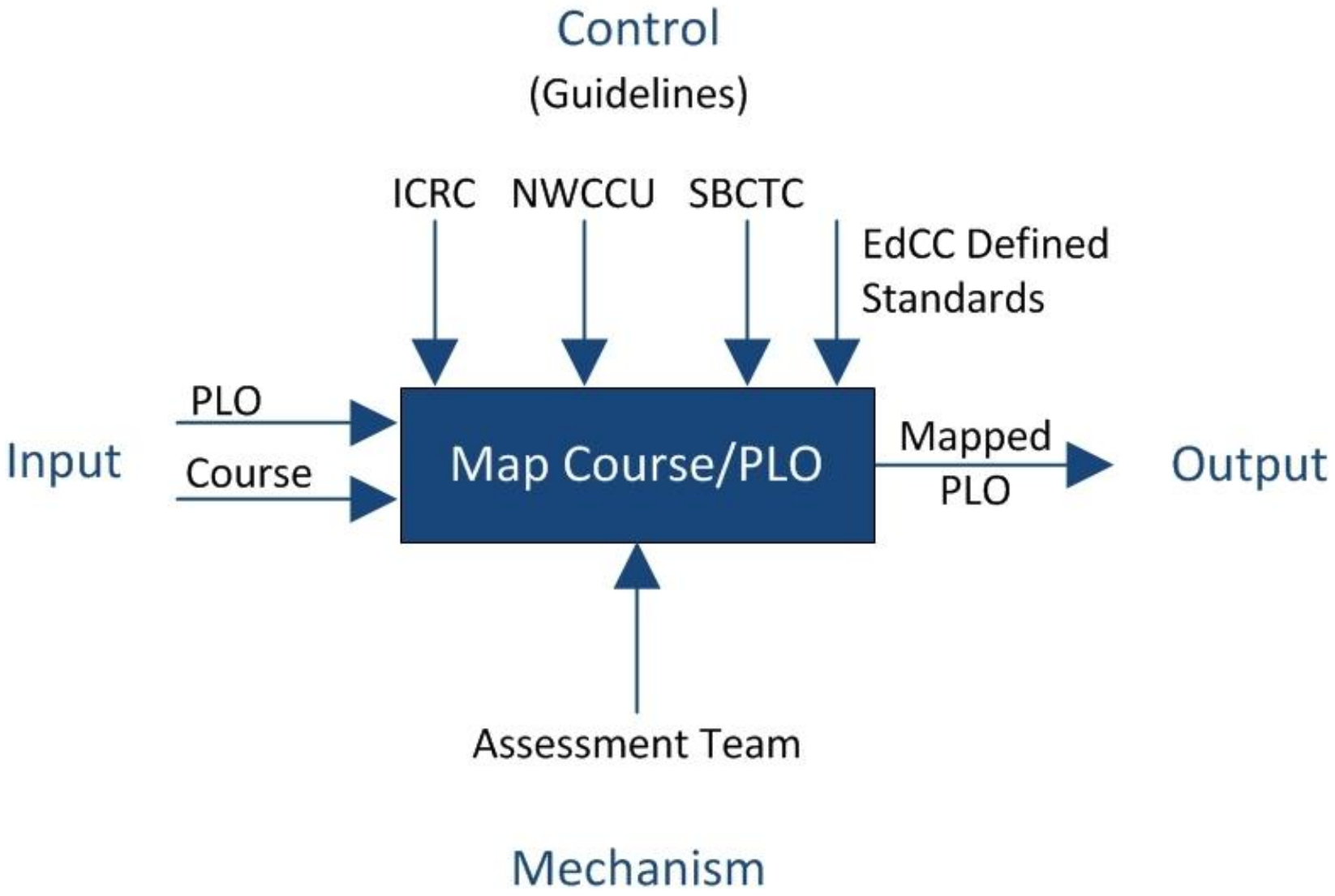
- Documents an activity, process, or transformation that must be accomplished.
- This process defines the scope of the diagram and is represented by a rectangular box at the center of the model.
- Provides a high-level model that documents the Inputs, Controls, and Mechanisms that affect the process and what the final Outputs of the system are.

IDEF0 Components



Let's Try It

IDEF0 Example



Q&A

- Questions?
- Issues?
- Concerns?