
DEVELOPMENT OF LEARNING TAXONOMY CMD002 & CMD006

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COE SOAR MEETING 3
MARCH 1-2, 2017



PROJECT OVERVIEW



■ Goals

- Develop different learning taxonomies that can be evaluated for their use in organizing training, evaluating training quality, and developing new training opportunities.
- Provide recommendations for possible implementation strategies of proposed taxonomy.

■ Timeline

- Nov-Jan
 - Coordinated with FAA to receive data/resources; Hired student assistants
- **Jan-April**
 - **Initial proposed taxonomy; Tasks 1-4**
- May-June
 - Summary report of implementation strategies; Task 5
- July-Sept
 - Pilot testing complete; Task 6
- Oct-Nov
 - Analysis of pilot; Task 7
- Dec
 - Final report; Task 8

PROGRESS UPDATE



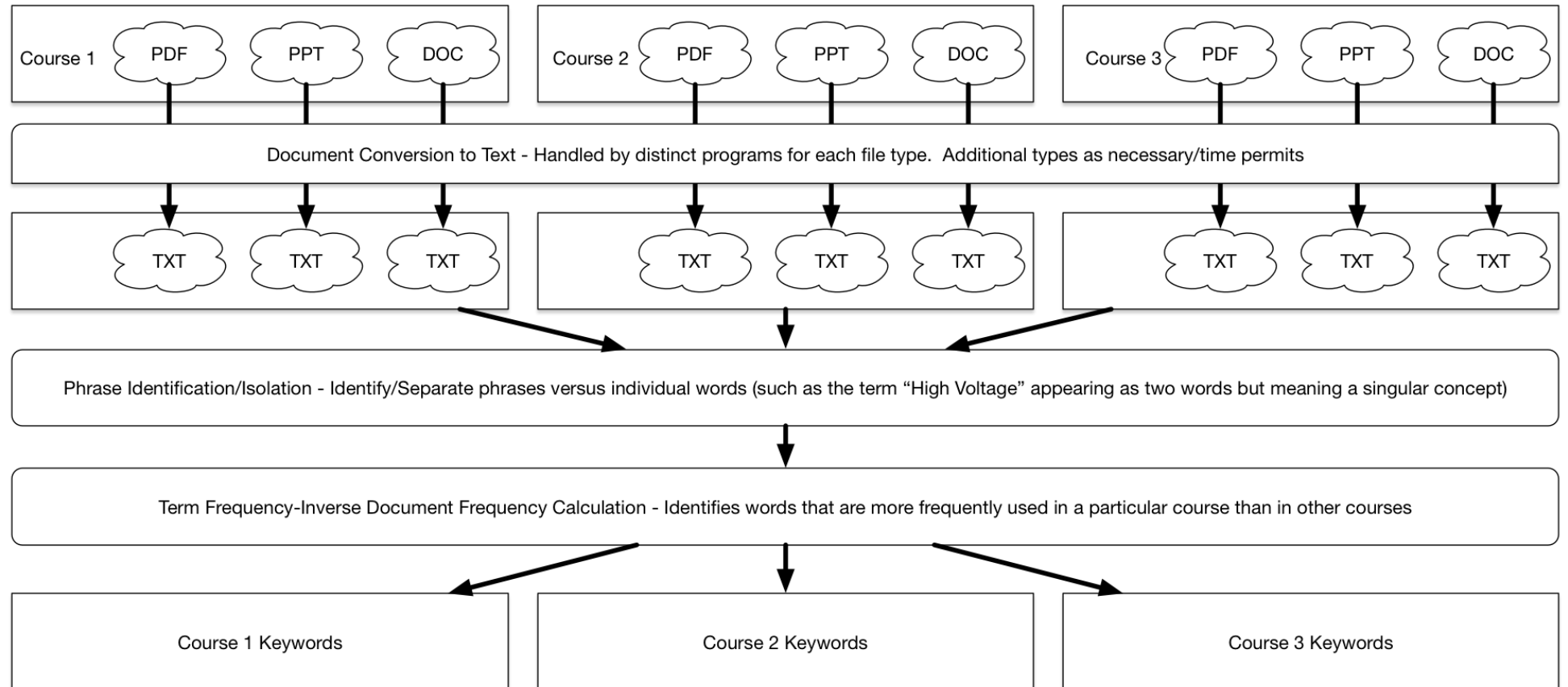
■ Current tasks

- Conduct a **keyword analysis** of existing data related to curriculum architecture.
 - Approximately 1,200 courses/trainings/briefings using computational models for keyword identification.
 - Internally validate the keyword analysis process.
- Conduct a **systematic literature** review pertaining to learning taxonomies, learner differences, and learning environments.
 - Utilize meta-analysis to inform the development of a taxonomy framework.

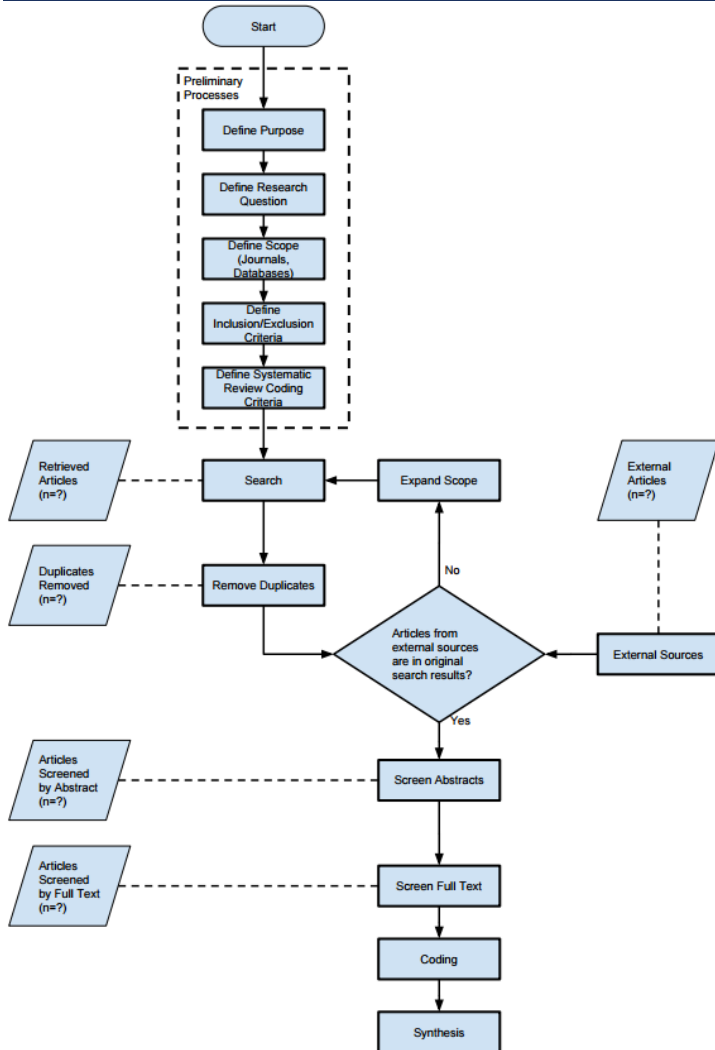
PROGRESS UPDATE - KEYWORDS



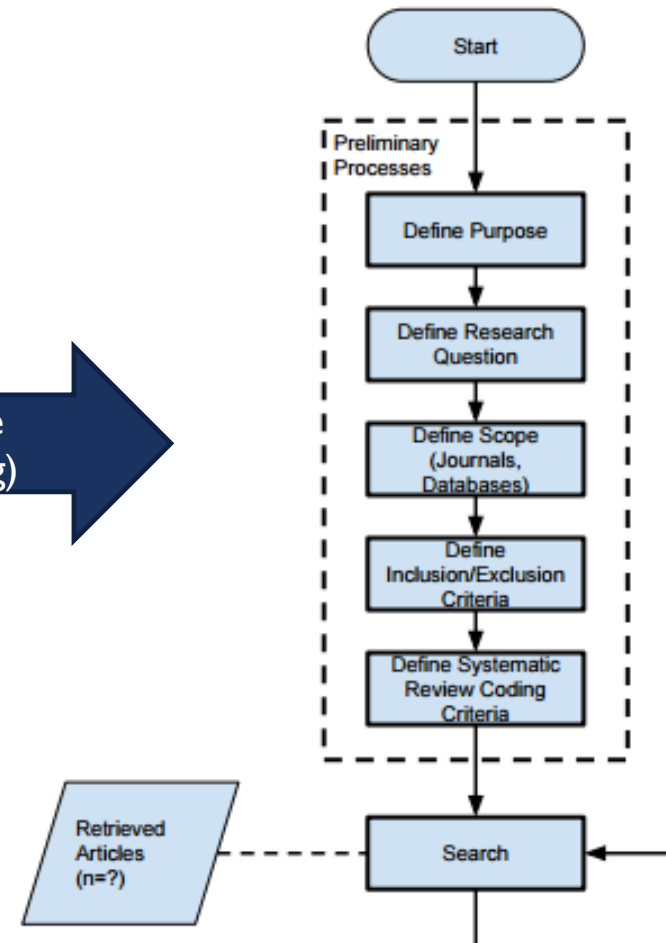
- Data began arriving 2/13
- Currently processing data to convert PDFs to text



PROGRESS UPDATE – SYSTEMATIC LIT REVIEW



Completed to Date
(Currently Searching)



PROGRESS UPDATE



- Next steps completed by end of April
 - Complete tasks related to **keyword analysis** and **systematic literature review**
 - Analyze the established taxonomy framework in comparison to agency resources and findings in keyword analysis and refine as necessary.
 - **Identify taxonomy lapses and gaps** in written resources using keyword analysis.
 - **Prepare an initial taxonomy** to be pilot tested.