

Instructor note – Optional Design Collaboration project

This course introduces Design Collaboration but does not run a live package/consume workflow. If you'd like to extend the module for classroom participation, consider the mini-project below to simulate multi-discipline handoffs before moving into coordination and construction-phase ACC workflows. For this project, students would be modeling the building from scratch, and at specific milestones (mentioned below). Students use Design Collaboration to publish Packages. For example, in Schematic alignment and Design development, they need to make sure foundations are aligned with the architecture design, etc, before moving forward.

Suggested Setup

- Create three teams (Architecture, Structure, MEP), each with a private Work-in-Progress space/folder. Assign the students to their respective teams in Docs with Manage access.
- Complete Design Collaboration setup by assigning the shared folder, initializing the project, creating teams, and selecting team folders.
- Define naming conventions for packages (e.g., ARCH_SD_M1, STR_DD_M2) and a short package checklist, for example (models, sheets, views/3D, notes).

Milestones & Timeline

- Milestone 1: Schematic alignment (SD): each team publishes to Shared; others preview, compare, and consume approved packages.
- Milestone 2: Design development (DD) update: repeat publish/preview/consume; capture changes with Change Visualization.
- Milestone 3: Pre-Construction Documents (CD): final package set consumed; handoff to coordination.

Student Tasks

- Publish milestone packages to Shared; include brief package notes (scope, known limitations).
- Receiving teams: preview, run Change Visualization against last consumed package, add markups/issues as needed, then consume.
- Maintain a Consumed history screenshot/log for traceability.

Bridge to Coordination & Construction

- In Model Coordination: create public Saved Views per discipline pairing, run clash detection tests, classify “Not an Issue” vs true clashes, and create Issues.
- In Docs / Build / Takeoff: simulate RFIs (tie to clash/issues), log Submittals for key components, and run a quick Takeoff on affected areas to illustrate scope impact.

Deliverables

- Package timeline screenshots; package notes; change visualization screenshots; list of consumed versions.
- Coordination report export.
- Sample RFI/Submittal items and a short takeoff summary.

Assessment

Accuracy of package contents and notes, proper use of WIP/Shared/Consumed folders, evidence of package consumption, clarity of issues/RFIs, and completeness of the coordination report.