Request/Activity ID		**Prepared by**	Alejandro Riveros	**Date**	2025-02-10
Version	01				

CARD

Story ID* US_CourseFinder_004

Story Name* Search Courses by Professor and Professors by Course

Project Web Application for Managing and Searching Courses and Teachers

User Role* System User

I want to* (The need):

I want to be able to search for the courses taught by a specific professor and also search for one or several courses to see their assigned professors.

So that* (The justification):

So that I can easily access accurate information about professors, the subjects they teach, and the professors assigned to each course, improving navigation and discovery in the platform.

Creation Date 2025-02-10

CONVERSATION

PROCESS DETAILS OR DISCUSSION*

The user accesses the "Search" section from the main platform interface.

- The user can search by entering a professor's name to view the list of courses they teach.
- Alternatively, the user can search by entering one or more course names to view the professors assigned to them.
- The system displays search results in a clear and organized layout, showing course titles, professor names, and related metadata.
- Filters may be available to refine search results.
- Search results update dynamically as the user types (optional enhancement).

Additional notes:

- The search must handle partial matches and ignore case sensitivity.
- Data integrity relies on accurate course–professor associations from the admin module.
- The interface should be responsive and accessible from mobile and desktop.

REFERENCES & OBSERVATIONS

References:

Observations:

This story integrates both perspectives of the search module — by professor and by course. It depends on existing course–professor relationships and focuses on data retrieval and visualization.

The UI must support flexible search filters, result pagination, and display relevant course or professor details in an intuitive manner.

INVEST - KEY CHARACTERISTICS

Independent or Depends on:	Depends on Story 003 (Link Professor to Courses).
Negotiable:	Search filters, display format, and pagination can be adjusted based on usability feedback.
Valuable:	Provides core functionality for users to navigate and discover course–professor relationships, improving the platform's user experience.
Estimable:	The effort can be estimated based on the number of filters, database queries, and frontend integration needed.
Small (sprint):	Can be completed within a single sprint by a small development team.
Testable:	Testable through search cases validating that results are accurate and match linked data between professors and courses.

ACCEPTANCE CRITERIA

Acceptance Criteria:

1. The user can search by professor and view all their associated courses.
2. The user can search by course and view all assigned professors.
3. The system displays clear, accurate, and complete results for each query.
4. The search supports partial text matches and is not case-sensitive.
5. If no results are found, the system displays a friendly message.
6. The search performance remains under 2 seconds for average query loads.
7. The interface is responsive and adapts to desktop and mobile devices.

Reference Documents

Appendix