Absolutely! Let's go through your PHP file manage\_courses.php **step by step** and explain what each section does so you understand it inside out. This page is part of the **IPHS Campus Management System** and is responsible for **course management** for admins and teachers.

**🔐 1. Session and Role Check**

session\_start();

include 'db\_connect.php';

include 'auth.php';

* Starts a session to access $\_SESSION variables (like user role and ID).
* Includes database connection and authentication logic.

if ($\_SESSION['role'] !== 'admin' && $\_SESSION['role'] !== 'teacher') {

header("Location: index.php");

exit();

}

* Only allows **admin** or **teacher** roles.
* Redirects any other users (e.g., students) away from this page.

**📊 2. Load Role & User ID**

$role = $\_SESSION['role'];

$user\_id = $\_SESSION['user\_id'];

* Retrieves current user’s role and ID from the session.

**📥 3. Fetch Courses**

**✅ Admin View:**

if ($role === 'admin') {

$courses\_query = "SELECT courses.id, courses.course\_name, courses.course\_id, courses.schedule,

users.fullname AS assigned\_teacher

FROM courses

LEFT JOIN users ON courses.user\_id = users.id";

* Admin sees **all courses**, with **teacher names** (via LEFT JOIN).

$teachers\_query = "SELECT id, fullname FROM users WHERE role = 'teacher'";

* Fetches **all teachers** to assign when adding a new course.

**✅ Teacher View:**

} else {

$courses\_query = "SELECT id, course\_name, course\_id, schedule FROM courses WHERE user\_id = ?";

$stmt = mysqli\_prepare($conn, $courses\_query);

mysqli\_stmt\_bind\_param($stmt, "i", $user\_id);

mysqli\_stmt\_execute($stmt);

$courses\_result = mysqli\_stmt\_get\_result($stmt);

}

* A **teacher** only sees courses **they’re assigned to** (by user\_id).

**➕ 4. Add Course (Admin Only)**

if ($role === 'admin' && isset($\_POST['add\_course'])) {

...

* Triggered when admin submits the **add course form**.

**Key logic:**

1. **Sanitize & format inputs**
2. **Check if Course ID already exists**
3. **If unique, insert into database**

$insert\_query = "INSERT INTO courses (course\_name, course\_id, schedule, user\_id) VALUES (?, ?, ?, ?)";

* user\_id links to the assigned teacher.

**❌ 5. Delete Course (Admin Only)**

if ($role === 'admin' && isset($\_GET['delete\_course'])) {

* If an admin clicks a ?delete\_course=ID link, this runs.

$delete\_query = "DELETE FROM courses WHERE id = ?";

* Deletes the course with the given ID from the courses table.

**🧾 6. HTML Output Begins**

<!DOCTYPE html>

<html lang="en">

<head>

* Basic HTML boilerplate, includes:
  + Bootstrap CSS (for layout)
  + Font Awesome (icons)
  + Custom admin\_dashboard.css file (your own styles)

**📑 7. Sidebar Menu**

<div class="sidebar" id="sidebarMenu">

<img src="../images/logo.jpg" alt="IPHS Logo" class="logo">

<a href="../index.php"><i class="fas fa-home"></i> Home</a>

...

</div>

* A vertical sidebar with links to various admin pages.

**📋 8. Add Course Form**

<?php if ($role === 'admin') { ?>

<form method="post" class="mb-3">

* Displays only to admins.

**Fields:**

* Course Name
* Course ID
* Schedule
* Assign to teacher (<select> from users table)
* Submit (➕)

**📄 9. Course List Table**

<table class="table table-bordered">

<thead>

<tr>

<th>📚 Course Name</th>

<th>🆔 Course ID</th>

<th>📅 Schedule</th>

<?php if ($role === 'admin') { echo '<th>👨‍🏫 Assigned Teacher</th>'; } ?>

</tr>

</thead>

<tbody>

* Displays all courses fetched from the earlier queries.
* Teachers see only **their courses**.
* Admins see **all**, with teacher names.

<td><?= $course['assigned\_teacher'] ?? 'Not Assigned'; ?></td>

* Gracefully shows “Not Assigned” if assigned\_teacher is null.

**📌 What’s Missing (Optional Enhancements)**

Here’s what’s currently **not implemented** but can be added easily:

| **Feature** | **Status** | **How to Add** |
| --- | --- | --- |
| ✅ Edit Course | ❌ | Use a modal form (I can generate this) |
| ✅ Delete Button in UI | ❌ | Add a delete button per row |
| 🔍 Search bar | ❌ | JavaScript filter input |
| 🧩 Pagination | ❌ | Use Bootstrap Pagination or JS |
| ✅ Role check UX | ✅ | Already in PHP logic |
| ⚠️ Confirmation on Delete | ❌ | Add JS confirm() |

Would you like me to **add edit/delete buttons**, **search**, or other enhancements next?

Let me know what you'd like done now, and I’ll code it all in for you!