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| Req. ID | Description | Priority |
| FR-1 | Users shall register, log in, and recover passwords securely. | High |
| FR-2 | Instructors shall create, update, delete courses and materials. | High |
| FR-3 | Students shall enroll and unenroll in courses. | High |
| FR-4 | System shall support multimedia content uploads and streaming. | Medium |
| FR-5 | Provide quizzes, assignments, and automated grading functions. | High |
| FR-6 | Enable communication via forums, messaging, and notifications. | Medium |
| FR-7 | Generate and display progress and performance reports. | High |
| FR-8 | Administrators shall manage roles and permissions. | High |
| FR-9 | Provide search functionality for courses and resources. | Medium |

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| **NFR ID** | **Category** | **Requirement Description** |
| NFR-1 | Performance | Support up to 1000 concurrent users with < 3s response time. |
| NFR-2 | Security | Implement HTTPS, data encryption, multi-factor authentication. |
| NFR-3 | Scalability | Auto-scale resources to handle growing user base and data volume. |
| NFR-4 | Reliability | Ensure 99.5% uptime with backup and disaster recovery strategies. |
| NFR-5 | Compatibility | Compatible with major browsers & mobile OS (iOS, Android). |
| NFR-6 | Usability | Comply with WCAG 2.1 AA accessibility standards. |
| NFR-7 | Maintainability | Modular architecture and comprehensive documentation. |
| NFR-8 | Interoperability | Integrate with SIS, SSO, payment gateways, and third-party content providers. |
| NFR-9 | Localization | Support multi-language and regional settings for diverse users. |
| NFR-10 | Backup/Recovery | Regular data backups and fast recovery options. |