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|---|----------|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | LWM-501  | Soil Physics                                  | 2 | 1 |   |   |   | 1 |   |   |   |   |   |
|   | FPM-503  | Farm Machinery                                |   |   |   |   | 1 | 2 |   |   |   |   |   |
|   | FS-505   | Theory of Structures                          | 2 | 2 | 2 | 3 |   |   |   |   |   |   |   |
|   | ID-507   | Hydraulic Machinery and Pipe flow             | 2 | 2 | 2 |   |   |   |   |   |   |   |   |
|   | IS-509   | Islamic Studies or Ethics                     |   |   |   |   |   | 3 | 1 |   |   |   | 3 |
|   | BE-511   | Numerical Analysis                            |   | 3 | 2 |   |   |   |   |   |   |   |   |
|   | EN -513  | Technical Writing                             | 2 |   |   |   |   |   |   |   | 2 |   |   |
| 6 | FS -502  | Agricultural Process Engineering              | 2 |   |   |   | 2 |   |   |   |   |   |   |
|   | EE-504   | Environmental Management Systems for Industry | 2 |   |   |   |   | 2 | 2 |   |   |   |   |
|   | ID-506   | Pumps and Tube Wells                          | 2 |   | 2 | 3 | 2 |   |   |   |   |   |   |
|   | LWM-508  | Saline Sodic and Waterlogged Soils            | 2 |   |   |   | 2 | 2 |   |   |   |   |   |
|   | EC-510   | Engineering Economics & Management            | 2 |   |   |   |   | 2 |   |   |   |   |   |
|   | FPM-512  | Machine Design                                | 2 | 2 | 2 |   | 3 |   |   |   |   |   |   |
| 7 | EE- 601  | Solid Waste Management                        | 2 |   |   |   |   | 2 | 2 |   |   |   |   |
|   | FS-603   | Post-Harvest Engineering (Elective)           | 2 | 3 | 3 |   | 2 | 3 |   |   |   |   |   |
|   | ID-605   | Irrigation Engineering                        | 2 | 2 | 2 | 3 | 2 |   |   |   |   |   |   |
|   | LWM -607 | Soil and Water Conservation Engineering       | 2 | 2 |   | 3 | 3 |   | 2 |   |   |   |   |
|   | FPM-609  | Farm and Earth Moving Machinery               | 2 |   |   |   | 2 | 3 | 3 |   |   |   |   |
|   | EN -611  | Communication Skills and Presentation Skills  |   |   |   |   |   |   |   |   |   | 1 |   |
|   | AE-613   | Project Report & Seminar                      | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 |
| 8 | STAT 602 | Applied Engineering Statistics                | 2 | 2 |   |   |   |   |   |   |   |   |   |
|   | ID-604   | Drainage Engineering                          | 2 | 2 | 2 |   |   |   | 2 |   |   |   |   |
|   | LWM-606  | Water Management Practices                    | 2 |   |   |   | 2 | 2 | 2 |   |   |   |   |
|   | FS 608   | Farm Structures                               | 2 | 2 | 2 |   |   |   |   |   |   |   |   |
|   | AE-612   | Project Report & Seminar                      | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 |