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|---|---|
| Campus: | Main campus |
| Faculty: | Mechanical Engineering |
| Department: | Automotive Engineering Centre |
| OBE coordinator | Dr. Hasan Izhar Khan |

Noe: Mapping can be done by matching the keywords or statement parts of each CLO (or course discription) with SDGs. Please see the additional sheets for more details. In following table, we only need Course-SDGs mapping for all the courses.

**Courses and SDGs mapping**

| Sr # | Code | Course | SDG 1 No Poverty | SDG 2 Zero Hunger | SDG 3 Good Health and Well-being | SDG 4 Quality Education | SDG 5 Gender Equality | SDG 6 Clean Water and Sanitation | SDG 7 Affordable and Clean Energy | SDG 8 Decent Work and Economic Growth | SDG 9 Industry, Innovation and Infrastructure | SDG 10 Reduced Inequality | SDG 11 Sustainable Cities and Communities | SDG 12 Responsible Consumption and Production | SDG 13 Climate Action | SDG 14 Life Below Water | SDG 15 Life on Land | SDG 16 Peace & Justice Strong Institutions | SDG 17 Partnerships to achieve SDGs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | IS 101 | Islamic & Pakistan Studies-I | | | | | | | | | | | | | | | | | |
| 2 | HU 101 | Ethics & Pakistan Studies-I | | | | | | | | | | | | | | | | | |
| 3 | IS 201 | Islamic & Pakistan Studies-II | | | | | | | | | | | | | | | | | |
| 4 | HU 201 | Ethics & Pakistan Studies-II | | | | | | | | | | | | | | | | | |
| 5 | HU 003 | International Language | | | | | | | | | | | | | | | | | |
| 6 | HU 111L | Communication Skills | | | | | | | | | | | | | | | | | |
| 7 | HU-221L | Technical Writing & Presentation Skills | | | | | | | | | | | | | | | | | |
| 8 | QT-101 | Translation of Holy Quran-I | | | | | | | | | | | | | | | | | |
| 9 | QT-201 | Translation of Holy Quran-II | | | | | | | | | | | | | | | | | |
| 10 | QT-301 | Translation of Holy Quran-III | | | | | | | | | | | | | | | | | |
| 11 | QT-401 | Translation of Holy Quran-IV | | | | | | | | | | | | | | | | | |
| 12 | PHY-119 | Engineering Physics | | | | | | | | | | | | | | | | | |
| 13 | MA-113 | Calculus and Analytic Geometry | | | | | | | | | | | | | | | | | |
| 14 | MA-225 | Differential Equations and Transforms | | | | | | | | | | | | | | | | | |
| 15 | MA-240 & MA 240L | Numerical Analysis | | | | | | | | | | | | | | | | | |
| 16 | MA-242(22) | Engineering Statistics | | | | | | | | | | | | | | | | | |
| 17 | CS-103 & CS-103L | Introduction to Computer Programming for Data Science | | | | | | | | | Yes | | | | | | | | |
| 18 | CS-261 & CS-261L | Data Structure and Algorithms | | | | | | | | | Yes | | | | | | | | |
| 19 | AM-241 | Professional Ethics in Engineering Practices | | | | Yes | | | | Yes | | | | | | | | Yes | |
| 20 | AM-242 | Project Management and Engineering Economics | | | | Yes | | | | Yes | | | | | | | | | |
| 21 | AM-343 & AM 343L | Engineering Entrepreneurship | Yes | Yes | | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| 22 | AM-444 | Operations and Supply Chain Management | | | | | | | | Yes | | | | | | | | | |
| 23 | AM-100L | Workshop Practice | | | | | | | | Yes | | | | Yes | | | | | |
| 24 | M-111 & AM-11 | Thermodynamics | | | | | | | Yes | | Yes | | Yes | Yes | Yes | | | | |
| 25 | M-121 & AM-12 | Engineering Graphics & Drawing | | | | Yes | | | | Yes | | | | | | | | | |
| 26 | M-122 & AM-12 | Engineering Mechanics | | | | Yes | | | | | | | | Yes | | | | | |
| 27 | 1(23) & AM-13 | Manufacturing Processes | | | | | | | Yes | | Yes | | | Yes | | | | | |
| 28 | 2(23) & AM-23 | Fluid Mechanics-I | | | | Yes | | Yes | Yes | | | | | | Yes | | | | |
| 29 | 3(23) & AM-22 | Mechanics of Materials | | | | | | | | | Yes | | | Yes | | | | | |
| 30 | AM-224L | Computer-Aided Drawing | | | | | | | | | yes | | | yes | | | | | |
| 31 | M-225 & AM-22 | Mechanics of Machines | | | | | | | | | Yes | | | Yes | | | | | |
| 32 | 3(23) & AM-33 | Fluid Mechanics-II | | | | Yes | | Yes | | | | | | Yes | Yes | | | | |
| 33 | AM-314(23) & AM-314(23)L | Heat and Mass Transfer | | | | | | | Yes | | Yes | | Yes | Yes | Yes | | | | |
| 34 | 2(23) & AM-33 | Machine Tools and Machining | | | | | | | | Yes | | | | Yes | | | | | |
| 35 | AM-353 | Automotive Health, Safety, and Environment | | | Yes | | | | | Yes | Yes | | Yes | Yes | Yes | | Yes | | |
| 36 | AM-315 & AM 315L | Vehicle Air Conditioning | | | | | | Yes | Yes | | Yes | | Yes | Yes | Yes | | | | |
| 37 | AM-326 & AM 326L | Vehicle Structure Design | | | | | | | | | yes | | | yes | | | | | |
| 38 | AM-351 | Vehicle Tribology | | | | | | | Yes | | Yes | | Yes | Yes | | | | | |
| 39 | AM-352 | Automotive paints and coatings | | | | | | | | | Yes | | Yes | Yes | Yes | | | | |
| 40 | AM-354 & AM 354L | Vehicle Mechanisms | | | | | | | | | Yes | | | Yes | | | | | |
| 41 | AM-416 & AM 416L | IC Engines | | | Yes | | | | Yes | | Yes | | Yes | Yes | | | Yes | | |
| 42 | AM-417 & AM 417L | Computational Fluid Dynamics | | | | Yes | Yes | | | | | | Yes | | Yes | | | | |
| 43 | AM-427 & AM 427L | Finite Element Analysis | | | | | | | | | yes | | | Yes | | | | | |
| 44 | AM-455 & AM 455L | Vehicle Management systems | | | | | | | | Yes | | | Yes | | | | | | |
| 45 | AM-456 | Vibration & Noise Control | | | Yes | | | | | | Yes | | | Yes | | | | | |
| 46 | AM-457 & AM 457L | Electric & Hybrid Vehicles | | | | | | | Yes | | Yes | | Yes | | Yes | | | | |
| 47 | AM 47 - | Elective-I | | | | | | | | | | | | | | | | | |
| 48 | AM 47 - | Elective-II | | | | | | | | | | | | | | | | | |
| 49 | EE-101(22) | Electrical Engineering and Electronics | | | | | | | Yes | | Yes | | | Yes | | | | | |
| 50 | AM-261 & AM 261L | Automotive Electronics | | | Yes | | | | | | Yes | | Yes | | | | Yes | | |
| 51 | AM-462 & AM 462L | Vehicle Instrumentation and Control Systems | | | | | | | | | Yes | | Yes | Yes | Yes | | | | |
| 52 | AM-498L | FYDP-I | | | | | | | | | | | | | | | | | |
| 53 | AM-499L | FYDP-II | | | | | | | | | | | | | | | | | |